

(1) Number of pages 4
(2) Date of repair 18-2-1984
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	2892	Press.
B.P. No.		Mis.
Dated	26-11-1878	197.

Not to be folded or roughly handled

Archives 1-5,806-24-2-78.

2892
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

9th November 1878, No. 908 I.

Irrigation.
Accounts.

Read the following papers:—

No. 54. From J. D. GRANT, Esq., Officiating District Engineer, Tinnevely, to the Chief Engineer for Irrigation, dated Palamecottah, 30th August 1878, No. 86.

I HAVE the honor to forward to you for sanction an estimate of Rupees 1,180 for repairing Ondipulinaikenu Sirukulam tank, &c., in the Satur taluk, Northern Division, and for constructing a surplus weir and an irrigating sluice in it.

One Estimate.
„ Plan.

2. The work was commenced as a famine relief work and Rupees 152 were spent on it last year.

No. 318 I.

No. 54-A. *Note by the Chief Engineer for Irrigation.*

THE Officiating District Engineer, Tinnevely, forwards, with his letter marginally noted, an estimate in connection with No. 86, dated 30th August 1878. the Ondipulinaikenu Sirukulam tank and channel situated in the Satur taluk, Northern 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.
Constructing a masonry weir, Original Works	160
Reconstructing an irrigation sluice, Original Works	215
Converting the calingulah into weir, Original Works	50
Raising and repairing the bund and also closing the breaches, Repairs	683
Repairing the channel banks, Repairs	72
Total	1,180

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

Ayacut area	...	...	...	...	Acres	45
Assessment	...	...	...	...	Rupees	205
Average revenue	...	...	...	...	"	215
Highest do.	...	...	...	...	"	240
Expenditure during the previous four years	...	...	...	...	"	152
Average cultivation per square mile of catchment basin,	...	...	...	...	Acres	15.7

The area of the catchment basin is 3 square miles; the maximum flood supply is calculated at 684 cubic feet per second, for discharging which as surplus there is a calingulah 18 feet in length, effective 14 feet; this being inadequate it is proposed to convert the calingulah into a weir and also to construct a masonry weir 51 feet in length, so as to make an aggregate length of 69 feet available for the discharge of the surplus. The maximum flood discharge from 3 square miles will more probably be about 900 cubic feet per second, and the depth of water on 69 feet of weir to pass this quantity will be about 2 feet 6 inches.

The tank is stated to have been breached during the heavy rains of December 1877 owing to the Ondipulinaikenur Periyakulam tank breaching and the insufficiency of the surplus arrangement of the tank under review which it is reported has not been repaired for many years. One of the two irrigation sluices is in a ruined condition and needs to be rebuilt.

It is stated that the repair of the bund was started as a famine relief-work, but the work was stopped shortly after it was started and a sum of Rupees 152 was expended from Famine Relief Funds.

The estimate provides for—

- 1st.—Closing breaches, repairing and raising the bund to a uniform height of 4.5 feet above F.T.L. or 2.5 above M.W.L.
- 2nd.—Repairing the channel banks.
- 3rd.—Reconstructing irrigation sluice No. 1.
- 4th.—Converting the calingulah into a weir by removing the dam stones and raising the body-wall to F. T. L.
- 5th.—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.
Not stated.	..	Ondipulinaikenur Sirukulam tank and channel.	Constructing a masonry weir. Reconstructing an irrigation sluice. Converting calingulah into weir. Repairing bund and closing the breaches. Repairing channel banks.	Irrigation.	Original Works. Do. Do. Repairs Do.	rs. 160 215 50 683 72	425 755

(Signed) P. MONTGOMERIE, Major, R.E.,
Ag. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

FORT ST. GEORGE,
4th November 1878.

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

No. 55. ORDER THEREON, 9th November 1878, No. 908 I.

THE following estimates from the Northern Range, forwarded by the Officiating District Engineer, Tinnevely, are sanctioned :—

HEAD OF SERVICE—IRRIGATION.

Ondipulinaikenur Sirukulam Tank and Channel.

Work—	RS.
1 { Masonry weir, Original Works	160
1 { Irrigation sluice, Original Works	215
1 { Converting calingulah into weir, Original Works	50
Total	425
2 { Repairing bund, Repairs	683
2 { Do. channel banks, Repairs	72
Total	755

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

2. These sanctions have been registered as No. 227 I of 1878-79.

(True Extract.)

John Astle
Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, Fifth Circle.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.
" Collector of Tinnevely.

Exd. E. C. Shunker.
Spare Copies

Revenue Report
No 5199:
IRRIGATION
ACCOUNT.

Govt. of (1878) Madras.
PUBLIC WORKS.

✓
To
THE SUPERINTENDING ENGINEER,
FIFTH CIRCLE,
&c. &c. &c.

Dated November 25th.

Issued

Recd. 25th November Encl.

Disburse

G. O., 9th November 1878, No. 908 I.

NOVEMBER.

Nos. 54-55.

For repairs, Tinnevely District - Es-
timate amounting to Rspees 1,180 for certain
sanctioned.

11.2592
Passed to the
Board of Revenue
26.10.78.

11.2592 Board of Revenue 26.10.78