MRO 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 2495	Press
~~B.P. No.~~	~~Mis.~~
Dated 18-9-1876	~~195~~

Not to be folded or roughly handled

Read the following :—

No. 182-W.

No. 298 *Note by the Chief Engineer for Irrigation.*

THE District Engineer, Nellore, forwards with his letter marginally noted an estimate in connection with the Caluvoy tank situated in the Atmakur taluq, Central range

No 77, dated 12th August 1876

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

ORDINARY AGRICULTURAL
Repairs

	Rs
Reconstructing an irrigation sluice, &c	3,500
Total ...	3,500

3. The following particulars of this tank are recorded —

Ayacut area	Acres 2,075
Assessment	..
Average revenue	Rupees 8,000
Highest do	..

Expenditure during the previous four years

The area of the catchment basin is 40 square miles, the maximum flood supply is calculated at 6,581 25 cubic feet per second, for discharging which the surplusing works are not specified The estimate of flood discharge is rather high, probably 5,700 cubic feet a second would be a maximum, as the tank is situated 50 or 60 miles from the coast.

The Caluvoy tank irrigates an area of 2,075 acres and yields a revenue of Rupees 8,000.

This tank had originally four irrigation sluices, one was destroyed, and another is in such a bad condition that it is proposed to reconstruct it on a design that will not only irrigate the land immediately under it but also the land under the sluice which was destroyed, thus obviating the necessity of reconstructing both of the sluices

When the old sluice was stripped with a view to repairing it, it was found to be in such an insecure condition generally that entire reconstruction was unavoidable, and as it was necessary to complete the work and close the opening in the bund before the time when the tank usually received a supply of water, in order to prevent loss of revenue, the building of the new sluice was commenced in anticipation of sanction as being emergent work

Under the circumstances stated, the District Engineer appears to have had no alternative but to order the work to proceed, but there appears to have been considerable and unnecessary delay in arriving at a decision as to what course should be pursued, and in deciding on the position and level of the new sluice.

The bund appears to have been opened out in March, but it was not finally decided to build a new sluice till May, and the plan and estimate were not forwarded to this office till the 12th August 1876.

When an old native work of this nature is about to be opened out for examination and a breach made in a tank bund, the contingency of having to reconstruct

entirely should always be considered, and the main points in connection with the new work should be decided on beforehand.

The plan and estimate will, under the circumstances, have to be sanctioned and provided for during the current year.

The remarks noted on the plan should be attended to.

OOTACAMUND,
14*th September* 1876.

(Signed) A. DEC. SCOTT, Major, R E,
Dy. Chief Engineer for Irrigation,
for *Chief Engineer for Irrigation.*

To the Secretary to Government, Public Works Department

No 299. ORDER THEREON, 18th September 1876, No 2,495.

IRRIGATION, No 33.
Account.

THE following estimate from the Central Range, forwarded by the District Engineer, Nellore, is sanctioned —

CALUVOY TANK.
Irrigation

Group or Project.	Fund.	Class	Name of Tank, Canal, or Channel	Particulars of Work	Amount
...	Ordinary Agricultural	Repairs	Caluvoy Tank.	Reconstructing an Irrigation sluice	RS 3,500 To be carried out by the Public Works Department Officer in charge Central Range

2. This sanction has been registered as No. 153-I. of 1876-77

(True Extract.)

Colonel,
Offg Under Secy. to Govt, P.W.D.

To the District Engineer, Nellore.
„ Collector of do
„ Chief Engineer for Irrigation
„ Examiner of Public Works Accounts.
„ Revenue Department

Exd. E. C Shunker.

Spare Copies

MEMORANDUM.

REQUESTED for reference the under-mentioned papers —

For C No. 7339.

papers.
3500
3500

GOVERNMENT OFFICE
Public Works Department
1876

Registrar.

R 506 W/76

E. I Form No 9.

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

Octacamund 14th Septr 1876.

No. 182-W

Note by Chief Engineer for Irrigation

Encls. 10 THE District Engineer, Nellore

forwards, with his letter marginally noted, an Estimate in connection

No 77/12 Dated August 1876. with the Kaluvay Tank situated in the Atmakur Taluq, Central 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 Repairs.	
Reconstructing an Irrigation Sluice &c	Rupees 3500
Total Rupees	3500

3 The following particulars of this Tank are recorded—

Ayacut area 2075 acres

Assessment.

Average revenue. Rs 8000

Highest do

Expenditure during the previous four years.

The area of the catchment basin is 40 square miles; the maximum flood supply is calculated at 6581.25 cubic feet per second for discharging which, ~~as surplus there is~~ the surplusing. Tracks are not specified. The estimate of flood discharge is rather high probably 5,700 cubic feet a second would be a maximum at the Tanks is situated 50 or 60 miles from the coast.

The Railway tank irrigates an area of 2075 acres and yields a revenue of Rs 8000.

This tank had originally four irrigation sluices; one was destroyed and another is in such a bad condition that it is proposed to reconstruct it on a design that will not only irrigate the land immediately under it but also the land under the sluice which was destroyed, thus obviating the necessity of reconstructing both of the sluices.

When the old sluice was stripped with a view to repairing it, it was found to be in such an insecure condition generally that entire reconstruction was unavoidable and as it was necessary to complete the work and close the opening in the bund before the time when the tank usually received a supply of water, in order to prevent loss of revenue; the building of the new sluice was commenced in anticipation of sanction as being emergent work.

Under the circumstances stated the District Engineer appears to have had no alternative but to order the work to proceed, but there appears to have been considerable and unnecessary delay in arriving at a decision as to what course should be pursued and in deciding on the position and level of the new sluice.

The bund appears to have been opened out in March, but it was not finally decided to build a new sluice till May

and the plan and estimate was not forwarded to this office till the 12th August 1876

When an old rating mark of this nature is about to be opened out for examination and a breach made in a tank bund, the contingency of having to reconstruct entirely should always be considered, and the main points in connection with the new mark should be decided on beforehand.

The plan and estimate will under the circumstances have to be sanctioned and provided for during the current year.

The remarks noted on the plan should be attended to

A. J. Scott
Major R.
Dy. Chief Engineer for Irrgn.
for Chief Engr for Irrgn.

To The Secretary to Govt P.W.D.

P.W.D.
20SEP76

From The Chief Engineer for Irrigation,

To The Secretary to Govt
P. W. D.

No 182-W

Dated 14th Sept.
Despd 15
Received
1876.

Enclosures 10

Subject.

Kalurvoy Tank — Nellore District
— Note submitting for sanction, with remarks, estimate for Rs 3,500 for reconstructing an Irrigation sluice in the —

No 298

Form No. 22

9WW
Dec

Gen 2495 Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 18 Sept 76

Read the following —

Note by the Chf Engr. for Irrign { No. 182 W. dt 14 Sept 76.

The following estimate from the Central Range forwarded by the District Engineer, Nellore, is sanctioned. —

Kalurvoy Tank.
Irrigation

Group or Project	Fund	Class	Name of Tank Canal or channel	Particulars of Work	Amount Rs.
	Ordinary Agricultural	Repairs	Kalurvoy Tank	Reconstructing an Irrigation sluice —	3500

To be carried out by P.W.D. officers in charge Central Range.

This sanction

has been registered as No. 153-I of 1876-77.

Asst. Secy.

6802

Govt. of {1876} Madras.

PUBLIC WORKS.

To

The Collector of Salem

Dated 7-7-77

Issued

Recd. Encl

G. O., 18th July 1876, No. 2495

Nos. 298/99

Kalingoy Tank

Kellore Vc The

Estimate for reconstructing an irrigation sluice in the same.

No. 298/99

Contractor's Agt. 5-10-76