

(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.	1932	Press
B.P. No.		Mis.
Dated	28-7-	C876 195-

Not to be folded or roughly handled

Read the following :—

No. 112 W.

No. 508. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, Madura, forwards, with his letter marginally noted, an estimate in connection with the Nullada-cherry Tank of Andiputty situated in the Periacolum Taluq, Dindigul 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.

Original Works.

Constructing a weir	Rs. 515
Do. a revetment	860

Repairs.

Raising and repairing the bund and also repairing the sluice and calingulah	1,125
Total	2,500

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

Ayacut area	Acres 173
Assessment	Rupees 416
Average revenue... ..	" 300
Highest "	" 339
Expenditure during the previous four years	" Nil

The area of the catchment basin is 10 square miles; the maximum flood supply is calculated at 2,088 cubic feet per second, for discharging which as surplus there is one calingulah 24 feet in length. The dam stones are to be removed, and the body wall raised 2½ feet or to F.T.L. A weir 133 feet is proposed to be constructed, which will make a total length of 157 feet for the surplus discharge; the estimate also provides for raising and repairing the bund and repairing the sluice and calingulah and planting the inner slope of the bund with nanul grass.

4. The crest of the bund is at present irregular in level and in parts very low. It is proposed to give it a uniform height of 2 feet above M.W.L. and 4½ feet above the crests of the calingulah and surplus weir or above F.T.L. level.

The District Engineer remarks that the repairs and improvements if carried out will enable the whole ayacut area to be cultivated. It is also said that the tank has not been repaired for twenty years.

The design of the weir is not suited to the circumstances, and the alterations indicated by dotted lines on the section should be made. First, the area of the catchment basin was reported to be 1 square mile, and it was pointed out that this was small for the acreage. Now this area is said to be 10 square miles, and if so, the provision for discharge of surplus will be none too large, but it is noticeable that the irrigation per square mile of drainage will, with the full ayacut, be very small.

Proceedings of the Madras Government, Public Works Department,
28th July 1876. No. 1,932.

5. The rates for labor are stated to be somewhat high in consequence of the proximity of coffee and cardamom plantations. The longitudinal section does not show the F.T.L. and M.W.L. which are clearly essential. On the cross section H.W.M. is marked, but it would seem to be F.T.L., and is not a proper abbreviation. The estimate is recommended for sanction.

OOTACAMUND,
25th July 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. 509.

ORDER THEREON, 28th July 1876, No. 1,932.

IRRIGATION, No. 57.

Account.

The following estimate from the
Dindigul Range, forwarded by the Dis-
trict Engineer, Madura, is sanctioned:—

NULLADACHERRY TANK OF ANDIPUTTY.

IRRIGATION.
Ordinary Agricultural.
Original Works.

1. Constructing a weir	...	...	...	...	...	Rs.
2. " a revetment	...	...	...	...	...	515
3. Raising and repairing the bund and repairing the sluice and calingulah	...	...	...	...	...	860
						1,125
						Total ... 2,500

2. This sanction has been registered as No. 74 I. of 1876-77.

(True Extract.)

Colonel,

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

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

Exd. J. W. Fischer.
Spare Copies

E. I. Form No. 9.

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

Ootacamund 25th July 1876.
No. 112-W.

Note by Chief Engineer for Irrigation.

Secd. 5

THE District

Engineer, Madura

No. 11673

Dated 15th March 1876

forwards, with his letter marginally noted, an Estimate in connection with the Nulladacherry Tank situated in the Peracolum Taluq, Dindigul Range.

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

Original works.	Ordinary Agricultural
Constructing a weir	Ruppes 515
" a revetment	" 560
Repairs	
Raising & repairing the bund & sluice	" 1125
Repairing the sluice & calingulah	"
Total Ruppes.	2500

3. The following particulars of this Tank are recorded—

Ayacut area. 1 1/3 acres
Assessment. 416 Ruppes
Average revenue. 500 Ruppes
Highest do. 539 Ruppes
Expenditure during the previous four years. 2500

The area of the catchment basin is 16 square miles; the maximum flood supply is calculated at 2083 cubic feet per second for discharging which,

as surplus there is one Kalingulak 225 feet in length. The dam stones are to be removed, and the body wall raised 2 1/2 feet to F.T.L. A weir 133 feet is proposed to be constructed which will make a total length of 157 feet for the surplus discharge. The estimate also provides for raising and repairing the bund, the raising the sluice and Kalingulak and planting the inner slope of the bund with sand grass.

The crest of the bund is at present irregular in level and in places very low. It is proposed to give it a uniform height of 8 feet above M.W.L. and 4 1/2 feet above the crests of the Kalingulak and surplus weir or above F.T.L. level.

The District Engineer remarks that the repairs and improvements if carried out will enable the whole irrigated area to be cultivated. It is also said that the tank has not been repaired for 20 years.

The design of the weir is not suited to the circumstances and the alterations indicated by dotted lines on the section should be made. First the area of the catchment basin was reported to be 16 square miles and it was pointed out that this was small for the drainage. Now this area is said to be 10 square miles and if so the provision for discharge of surplus will be more or less large but it is not probable that the irrigation for square mile of drainage will

will with the full agent be very small.

It would be better to disperse with the interior apron and to lower the foundation of the body wall to 3' below ground level.

The rates for labor are stated to be somewhat high in consequence of the proximity of coffee and cardamum plantations. The longitudinal section does not show the F.T.L. and M.W.L. which are clearly essential. On the cross section H.W.M. is marked but it would seem to be F.T.L. and is not a proper abbreviation.

The estimate is recommended for sanction.

Am. S. S.

Major R. C.

Deputy Chief Engineer for Irrigation
for Chief Engineer for Irrigation

to

The Secretary to Government

Public Works Department

21-7-76

FORMER CASES.

No 4th of 1876.
Ch. " 1213
A. " 780-180.

Issue Case.

I. E. Form No. 31.

P. W. 1876. Department
The Chief Engineer for Irrigation.

Register No. 4-11-11.

Dated 16th July 1876.

Issue No.

Dated 25th July 1876.

Dated 25th July 1876
Received 31st July 1876

No. 112 W.

LATER CASES.

No. of 187
"

Subject:-

Kulladacherry Tank,
Madura District - Sub.
-mits estimate for repair-
ing the -

Sent to Government with No.

18

W. of

Printed with G. O. No.

dated

ENCLOSURES.

5
1 ori letter
1 ket.
1 plan
1 Est. (A & D) with Report.
1 - - - with A & D.
5

REMINDERS ISSUED.

No. 1, dated 187
" 2, "
" 3, "
" 4, "
" 5, "

KEEP WITH.

Ci-26.7.76
A. Shet 4694

B. I. Form No. 4.

No 1932 Public Works Dept.
Proceedings of the Madras Government
Under date the 28 July 1876.
Read the following:-

Note by the Chief Engineer for Irrigation No. 112
of 25th July 1876.

The following Estimate from the Andipul Range forwarded
by the District Engineer, Madura is sanctioned:-

Kulladacherry Tank. of Andipul

Irrigation.

Ordinary Agricultural
Original works.

1 Constructing a met. - - - - - 515
2 " a pavement - - - - - 860
Repairs
3 Raising and repairing the bund &
repairing the sluice & Kalingulak. - - - 1125

Total Rupees. 2500.-

This sanction has been registered as No. 74. I. of 1876-77.

24.7.76

5453

Codt. of 1876 Madras
PUBLIC WORKS.

To

By

In

G. O.

1876

1932

No. 578

Nulla da chery Tank
Madura St. - Estimate
for certain repairs to the
— canals of —