

(1) Number of pages 8

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 288

Press

~~Mis~~

Dated 30 — / — 1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
30th January 1877. No. 238.*

Read the following:—

No. 72—W.

No. 593. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, Kurnool, forwards, with his letter marginally noted, an estimate in connection with the Vapa-dinna Tank, situated in the Ramalkota Taluq, Kurnool 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—Repairs.

Repairing the bund and forming a natural escape	...	...	...	...	RS.
" weirs and an irrigation sluice	...	...	...	...	22
Improving the head of an do.	...	...	...	...	290
					250
				Total	562.

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

Ayacut area	...	...	{ Circar 45.62 Inam 25.86 }	Total Acres 71.48.
Assessment	...	...	{ Circar 238 15 0 Inam 31 14 0 }	" Rupees 271 10 0
Average revenue	...	...	{ Circar 60 0 0 Inam 8 6 0 }	" " 68 0 0
Highest "	...	...	{ Circar 184 0 0 Inam 32 0 0 }	" " 216 0 0

Expenditure during the previous four years " ... Rupees 97.

The area of the catchment basin is 28 square miles; the maximum flood supply is calculated at 5,532 cubic feet per second, for discharging which as surplus there are two weirs, one at the west end of the bund, 154 feet in length, provided with an irrigation sluice, and another at the east end, 87 feet in length. These works being insufficient to discharge the surplus a natural escape, 100 feet in length, was formed alongside the larger weir in anticipation of sanction. The crest level of the escape is 6 inches higher than those of the weirs. It is proposed to raise the wings of the masonry weirs to a height of 5 feet above crest level, and to repair the aprons, also to construct a masonry body wall to the western weir. The aggregate length of surplus works at present available for the discharge is 341 feet inclusive of the recently formed natural escape.

The bund was repaired in 1873-74, its height varies from 3 to 5 feet above F.T.L., the top width is 6 feet, and the ratio of the slopes is 1 to 1 for the inner and 1.5 to 1 for the outer. It is proposed to raise the bund to a uniform height of 5 feet above F.T.L.

The tank has two irrigation sluices, one in the body wall of the western weir and the other in the bund. The former needs new side walls in the apron and a new shutter. The latter leaks at the head which is to be rebuilt and sill raised.

The estimate provides for these repairs and improvements and is recommended for sanction.

Proceedings of the Madras Government, Public Works Department,
30th January 1877. No. 288.

The average revenue of this tank is but a fraction of the amount of the ayacut assessment, and it would have been as well had some explanation on the subject been furnished.

FORT ST. GEORGE, (Signed) A. DEC. SCOTT, Major, R.E.,
26th January 1877. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

To the Secretary to Government, Public Works Department.

No. 594. ORDER THEREON, 30th January 1877, No. 288.

IRRIGATION, No. 64.

Account.

The following estimate from the
Kurnool Range, forwarded by the District
Engineer, Kurnool, is sanctioned:—

VAPADINNA TANK.

Head of Service Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount.
	Ordinary Agri- cultural, Irrig- ation.	Repairs	Vapadinna Tank ..	Repairing bund and forming escape ..	22
				Repairing weirs and an irrigation sluice.	290
				Improving the head of an irrigation sluice.	250
				Total ..	562

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

2. This sanction has been registered as No. 290—I. of 1876-77.

(True Extract.)

Lieut.-Colonel, R.E.,

Secretary to Government.

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

Exd. S. T. Austin.

Spare Copies

E. I. Form No. 9.

OFFICE OF THE CHIEF ENGINEER

FOR IRRIGATION.

Fort St. George 26 January 1877.

Note by Chief Engineer for Irrigation.

Enclosures 5

No. 3

Dated 16

January 1877.

The District Engineer, Kurnool, forwards, with his letter marginally noted, an Estimate in connection with the Vapadinna Tank situated in the Kurnool Range.

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

Ordinary Agricultural Irrigation
Repairs
Repairing the bund and forming escape
Natural Escape
Weirs and an Irrigation sluice
Improving the head of an
Total Rupees 562

3. The following particulars of this Tank are recorded—

Ayacut area. Circular 25.65, Inam 25.86, Total acres 71.48.
Assessment. Circular 238.05, Inam 31.14, Total Rupees 271-10-
Average revenue. Circular 68.00, Inam 18.56, Total Rupees 68-
Highest No. Circular 184.00, Inam 33.00, Total Rupees 216-
Expenditure during the previous four years. Rupees 97-

The area of the catchment basin is 28 square miles, the maximum flood supply is calculated at 5532 cubic feet per second for discharging which, as surplus there are two weirs, one at the west end of the bund 154 feet in length provided with an irrigation sluice and another at the East end 87 feet in length. These works being insufficient to discharge the surplus a natural escape 100 feet in length was formed alongside the larger weir in anticipation of sanction. The crest level of the escape is 6 inches higher than those of the weirs. It is proposed to raise the wings of the masonry weirs to a height of 5 feet above crest level and to repair the aprons, also to construct a masonry body wall to the western weir. The aggregate length of surplusage works at present available for discharge is 311 feet inclusive of the recently formed natural escape. The bund was repaired in 1873-74 its height varies from 3 to 5 feet above P.T.L. the top width is 6 feet and the ratio of the slopes is 1 to 1 for the inner and 1.5 to 1 for the outer. It is proposed to

to raise the bund to a uniform height of 5 feet above P.T.L. -

The tank has two irrigation sluices one in the body wall of the western weir and the other in the bund. The former needs new side walls in the apron and a new shutter. The latter leaks at the head which is to be rebuilt and sill raised.

The estimate provides for these repairs and improvements and is recommended for sanction.

The average revenue of this tank is but a fraction of the amount of the Ajacut Assessment and it would have been as well had some explanation on the subject been furnished.

Amr Patel

Major R.E.

Dy. Chief Engineer for Irrigation
For Chief Engineer for Irrigation

To The Secretary to Government
P.W.D.

C. J. S.

787 P.W.D.
27 JAN 77
No. 787

From
The Chief Eng. for Surg.
in cop of
no. 72-14
Dated 26-1-77
Receipt 27-1-77
Encls 5
No. 72-14
To the
Sd. District
Engineer
Kurnool

Vapaduina Tank - Kurnool
District. - We recommend
for sanction, estimate for Rs. 562
for repairs to the —

No 208 Mr D. P. W. Sub
Proceedings of the Madras Govt
Under date the 30 Jan 77
Read the following
From the Charge for Bridge (H. E. No 72 of 26 Jan 77)

THE following Estimate from the
Kurnool Range forwarded by the
District Engineer, Kurnool
is sanctioned:—
Vapaduina Tank.

Head of service. Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount. Rs.	
	Ordinary Agricul. - Local - Irrigation	Repairs.	Vapaduina Tank	Repairing bund and forming escape.	22	To be carried out by the P. W. Depart- ment Officer in charge Kurnool Range.
				Repairing weirs and an irrigation sluice.	290	
				Improving the head of an Irriga- tion sluice.	250	

Total Rupees 562

2. This sanction has been registered
as No. 290-I. of 187677.

P. V. Kurnool
Collector of do
Ch. E. for 1, with 5 Encls
East. B. A.
Revenue Dept. Dated 3-2-77
C. M. S.

5
Ct 787

Sept. of 1877 Madras.

PUBLIC WORKS.

To

M. L. Kurnool

Dated

Issued

Recd.

Encl.

G. O., 30th Sept. 1877, No. 288

Nos. 193-194

Subm. Reg.

Capadennia Tank
Kurnool Dt. The
Revenues amounting
to Rs 362 for certain
repairs to the —,
sanctioned.

12/77 - 128