

(1) Number of pages 6

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.

32

Press
Mis.

Dated

5

18

Not to be folded or roughly handled

Read the following:—

No. 2 V.

No. 60. Note by the Chief Engineer for Irrigation.

THE District Engineer, Cuddapah, forwards, with his letter marginally noted, an estimate in connection with the Goruntla-
No. 2,170, dated 20th December 1876. pully Kadrappah Noyanee tank, situated in the Voilpau Taluq, Madanapully 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 new weir Rs. 1,725

Repairs.

Repairing the bund „ 185

Total ... Rs. 1,910

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

Ayacut area	...	...	...	...	{ Circar 59 Inam 17 }	Total 76 Acres.
Assessment	...	...	...	...	{ Circar 571 Inam 247 }	„ 818 Rupees.
Average revenue	...	...	...	...	{ Circar 193 Inam 5 }	„ 198 „
Highest do.	...	...	...	...	{ Circar 241 Inam 12 }	„ 253 „

Expenditure during the previous four years ... Nil.

The area of the catchment basin is 12.5 square miles; the maximum flood supply is calculated at 2,660 cubic feet per second, for discharging which as surplus there is a natural escape 45 feet in length, situated at the north end of the bund, which is insufficient for the discharge of the surplus. It is proposed to close the existing escape and to construct a masonry weir 145 feet in length.

This is a rainfed tank, situated in latitude 13° 44' 21", longitude 78° 58' 30", its superficial area is 895,400 square yards, and its capacity when full 2,368,000 cubic yards; there are twenty-nine high lying tanks surplus into it, all of which are stated to be provided with adequate surplus works. This tank was breached owing to the insufficiency and want of proper outlets. It is proposed to raise the bund to a height of 6 feet above weir crest level, with a top width of 6 feet and side slopes of 1.5 to 1 in front and 2 to 1 in rear, and revetting those portions needing it. The breach and also a portion of the escape is to be banked up.

The estimate provides for closing the breach partly by the proposed weir and partly by earthwork, and also for closing the natural escape at the north end of the bund, for raising the bund and revetting the same where necessary, and for constructing a masonry weir.

4. Explanation should have been given of the remarkable difference between the ayacut assessment and the average revenue from the land under this tank.

It is of a capacity, according to the District Engineer's report, sufficient to irrigate 260 acres, but it is probable that it rarely receives a full supply.

Proceedings of the Madras Government, Public Works Department,
5th January 1877. No. 32.

It is essentially necessary that the means of escape for surplus water should be largely increased, and the length of weir provided in the estimate is barely sufficient. The site on which the work is to be built is very irregular, but the ground being rock it is otherwise favorable.

The body wall of the weir should be supported, where it crosses the hollows, by a backing of soil puddled in on the tank side and by boulders on the outer side. If the hollows shown in section represent channels of outfall below the general level, they should be dammed up to that level some distance from the weir crest, so as to favor the formation of water-cushions where the overfall is considerable.

A general plan should have been furnished showing the circumstances of the site. The estimate is recommended for sanction.

(Signed) A. DEC. SCOTT, Major, R.E.,

2nd January 1877.

Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

To the Secretary to Government, Public Works Department.

No. 61. ORDER THEREON, 5th January 1877, No. 32.

IRRIGATION, No. 7.

Account.

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

GORUNTAPULLY KADRAPPAN NOYANEE TANK.
Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount.
..	Ordinary Agricultural.	Original Works	Goruntapully Kadraappan Noyanee Tank.	Constructing weir ..	1,725
		Repairs ..		Repairing bund ..	185
				Total ..	1,910

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

- This sanction has been registered as No. 248—I. of 1876-77.
- The District Engineer should explain the cause of the small average extent of cultivation under this tank.

(True Extract.)

Major-General, R.E.,

Secretary to Government.

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

Exd. S. T. Austin.

Spare Copies

E. I. Form No. 4-A.

No 32 of 5 Jan 76
Form 4-A (18 No 24 of 2 Jan 77)

The following Estimate from the

Madanapully Range forwarded by the
District Engineer, Cuddapah
is sanctioned:—

Goruntapully Kadraappan Noyanee Tank.

Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount. Rs.
..	Ordinary Agricultural.	Original Works	Goruntapully Kadraappan Noyanee Tank.	Constructing weir ..	1,725
		Repairs ..		Repairing bund ..	185
				Total ..	1,910

To be carried out by the P. W. Department Officer in charge, Madanapully Range.

Total Rupees 1910

2. This sanction has been registered

as No. 248. I. of 1876-77.
3. The District Engineer should explain the cause of the small average extent of cultivation under this tank

OR Cuddapah
Collection - do
C. E. P. S. with 7 En =
Exd. P. L. S.
Receipt

C. E. P. S. 15.1.77

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Govt. of 1874 Madras.

PUBLIC WORKS.

To

The N. & C. Ry. Co.

Dated

Issued

Recd.

Encl.

G. O., 1874, No. 32

Nos. 60 + 61.

For Mr. K. K. K. K. K.
K. K. K. K. K. K.
K. K. K. K. K. K.

Estimate of Rs 1910 for
additions and repairs
to the K. K. K. K. K.

For Mr. K. K. K.