

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Publications DEPARTMENT

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Dated	27-12	195
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Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th December 1876. No. 3,550.*

Read the following:—

No. 307-W.

No. 597.

Note by the Chief Engineer for Irrigation.

THE District Engineer, Kurnool, forwards, with his letter marginally noted, an estimate in connection with the Alamoor large tank situated in the Nundial taluq, Nundial range.

No. 32, dated 25th July 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.

Original Works.

Dismantling the existing masonry escape and replacing it by a larger and superior structure	Rs. 1,310
Constructing a masonry escape	390

Repairs.

Forming a natural escape	410
Repairing the bund, &c., and closing the breaches	1,000
Rebuilding the Irrigation sluice	690

Total. . 3,830

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

Ayacut area	Acres 184
Assessment	Rupees 902
Average revenue	923
Highest do.	941
Expenditure during the previous four years	75

The area of the catchment basin is 17 square miles; the maximum flood supply is calculated at 7,240 cubic feet per second, for discharging which as surplus there are three escapes, one of masonry and two natural escapes.

The body wall of the former was breached, and the western wing carried away by the floods in August 1875. The escape being an indifferently built structure, it is proposed to dismantle it and to reconstruct it on a larger scale by increasing its length to 280 feet; it is also proposed to construct an additional masonry escape 56 feet in length, and to lower the ground for a natural escape of 270 feet in length, the level of the ground lowered for the natural escape will be 18 inches above the crest [of the masonry escapes. The aggregate length available for the surplus discharge will then be 606 feet, i.e., 336 feet of masonry escape with a 3 feet head and 270 feet of natural escape with a 1.5 feet head.

The estimate also provides for raising and sectioning the bund; closing the breaches, repacking the slipped revetment, and rebuilding the Irrigation sluice.

4. The estimate of flood discharge from the catchment basin of 17 square miles is excessive. It would not exceed 4,400 cubic feet per second, and the masonry escape of 280 feet will suffice with a natural outlet of 100 feet in length. The outlay for a new masonry weir, Rupees 390, is unnecessary, and that for the natural escape will be reduced by Rupees 280.

Proceedings of the Madras Government, Public Works Department,
27th December 1876. No. 3,550.

5. The charge for forming the embankment at 1-3 in addition to Pies 3 for tamping is too high, as is also that for excavating the foundations of the weir and sluice. The rates should not exceed 1 Anna all round for excavation and the amounts have been reduced accordingly.

6. The face wall of the Irrigation sluice should be on a line with the crest of the bund as remodelled. The tunnel need not extend beyond the intersection of the rear slope with the top. A retaining wall should be built to keep the earth from closing the side vent, but these should not be inserted unless they are really required.

7. The estimate, as reduced, is recommended for sanction.

FORT ST. GEORGE, (Signed) A. DEC. SCOTT, Major, R.E.,
20th December 1876. Deputy Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 598. ORDER THEREON, 27th December 1876, No. 3,550.

IRRIGATION, No. 44-A.
Account.

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

ALAMOOR LARGE TANK.
Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal or Channel.	Particulars of Work.	Amount.
..	Ordinary Agricultural.	Original Works ..	Alamoor Large Tank.	1. Rebuilding the masonry escape.	Rs. 1,340
..		Repairs		2. Forming a f. natural escape.	130
				3. Repairing the bund, &c., and closing the breaches.	944
				4. Rebuilding the Irrigation sluice.	658
				Total ..	3,072

To be carried out by the Public Works Department Officer in charge Nundial range.

2. This sanction has been registered as No. 230 I. of 1876-77.

(True Extract.)

Major-General, 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. E. C. Shunker.

Spare Copies

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

Fort St. George, 20 Decr 1876.

No. 307-W.

Note by Chief Engineer for Irrigation.

Enclos. 8 THE District Engineer, Kurnool forwards, with his letter marginally noted, an Estimate in connection No. 32 with the Alamoor large Tank situated in the Dated 20th July 1876. Nandial Taluq, Nandial 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
Dismantling the existing masonry escape & replacing it by a larger & superior structure 1340
Constructing a masonry escape. 290
Repairs
Forming a natural escape 410
Repairing the bund & closing the breaches 1000
Rebuilding the Irrigation sluice 658
Total Rupees 3830

3. The following particulars of this Tank are recorded—

Ayacut area. 184 Acres
Assessment. 902 Rupees
Average revenue. 923 Rupees
Highest do. 941 Rupees
Expenditure during the previous four years. 75 Rupees.

P.W.D.

1876

20 DEC 76

From

The Chief Eng^r for Irrigⁿ

To

The Secy. to Govt. P.W.D.

Dated 20th Dec 1876
Resp^d. 20th Dec 1876

Encls 8

No. 307-W.

Alamoor large Tank -
Kurnool District. - Note
recommending for sanction
with modifications, estimate
for repairs to the —.

22-12-76

E. I. Form No. 4-A.

2000
P.W.D.

No. 3550

27.12.76

From the Madras Govt

Read the following

From the Madras Govt (H.E. No 307 to 20 Dec 76)

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

Alamoor large Tank.

Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount. Rs.
	Ordinary Agricultural	Original works	Alamoor large Tank	1 Rebuilding the masonry escape -	1340
		Repairs		2 Forming a natural escape	150
				3 Repairing the breast and closing the breaches	944
				4 Rebuilding the irrigation sluice	658

To be carried out by the P. W. Depart-
ment Officer in charge. ¹

Total Rupees 3092

D. Kurnool ✓
Collector of Kurnool.
Ch. Eng^r with 8 Encls ✓
P. W. D.
Revenue Dept. ✓

2. This sanction has been registered
as No. 230. I. of 1876-77.

C. J. S.

Dec 20 1876

20-12

20-12

9258

Govt. of 1876 Madras.
PUBLIC WORKS.

To

The N. B. Harrow

Dated

Issued

Recd.

Encl.

G. O., 27th Nov 1876, No. 3550

Nos. 597-598

Alumore Large
Tank, Hurwood Det

Estimate for repairing
the —, sanctioned.

Conf in M. G.