New No. Sectt. I (i)-1—Old No. M.R.O. 1—10,006—10-6-68.

(1) Number of pages 4

(2) Date of repair 1.12.1969

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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. 1351 ~~Press~~
~~B.P. No.~~ ~~Mis.~~

Dated 12. 6. 1876 196 .

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Proceedings of the Madras Government, Public Works Department,
26th May 1876.

Read the following :—

No. 56 W.

No. 452. *Note by the Chief Engineer for Irrigation.*

THE following estimates from the Kurnool Range are forwarded by the District Engineer, Kurnool, with his letter marginally noted :—

Dated 14th March 1876.

Taluq.	Village.	Work.	Amount.
			RS.
Nundicotkoor	Yelgode	Ramasamoodrum Tank ...	6,370
Do.	Do.	Edula Tank	1,275

2. The financial and hydraulic details of the Irrigation Works concerned are exhibited in the following statement :—

I.—Financial Details.

Name of Work.	Ayacut Area.	Assessment.	Revenue Average for 5 years.	Revenue Highest for 5 years.	Outlay. During the previous 4 years.	Outlay. Proposed. Capital.	Outlay. Proposed. Revenue.	Outlay. Proposed. Average annual proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ramasamoodrum Tank	505	2,898	3,606	4,692	272	3,315	3,055	36·8
Edula Tank	95	385	412	516	85	930	345	66·0

II.—Hydraulic Details.

Name of Work.	Catchment Basin, Area.	Maximum Supply. Catchment per Second.	Maximum Supply. Channels per Second.	Length of Escape. Total.	Length of Escape. Effective.	Average Height of Bund. Above F.T.L.	Average Height of Bund. Above M.T.L.	Surplus discharged at M.T.L. per Sec.	Tanks above.
	SQ. M.	C. FT.	C. FT.	FT.	FT.	FT.	FT.	C. FT.	NO.
Ramasamoodrum Tank ...	42	6,040	...	E 75 W 600	75 600	1·5 5·0	0·0 3·0	475·2 5,701·8	2
Edula Tank	4	1,260	...	E 70 W 150	70 150	3·5 4·0	1·5 2·0	443·4 1,425·4	1

NOTE.—The proposed dimensions of escapes and heights of bund are printed in large type. The existing dimensions in small type. The following abbreviations are used :—C.—Calingulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

3. The following is a summary of the work proposed to be carried out in each case :—

Ramasamoodrum Tank.—Constructing a masonry weir, dismantling the existing stone in clay escape, and raising and repairing the bund.

Edula Tank.—Constructing a masonry weir, raising the bund, and clearing the bushes.

4. It is proposed to expend Rupees 6,370 on the Ramasamoodrum tank, *viz.*, Rupees 3,055 on repairs, and Rupees 3,315 in providing a new and sufficient surplus weir. The catchment basin has an area of about 42 square miles, and the bund being about 2 miles in length the proposed arrangements, which provide for M.W.L. being 2 feet above F.T.L., for the bund being brought up to 3 feet above M.W.L., parts of it at present being below F.T.L. and the present escape being only 75 feet long, or adequate to the discharge of surplus from less than 2 square miles are considered suitable. The District Engineer shows that Rupees 272 only have been spent during the last four years, and in a case like this in which the outlay shown to be required is large, it would have been well had he stated when the last thorough repair was carried out. During the past five years considerably more than the ayacut assessment has been annually realized, and it should be clearly explained in such and indeed in all cases what return direct or indirect is looked for from the proposed outlay, or what loss is likely to be sustained if the improvements are not carried out.

Similar observations apply to the estimates for the Edula tank.

5. The lower retaining wall to the weirs proposed for these tanks should be protected by a loose stone apron not less than a yard in width. This will cost Rs. 200, and the necessary addition will have to be made to the estimate. On the other hand, the length of weir of the Edula may be reduced from 150 to 120 feet, and the saving will compensate for the increase referred to.

6. There appears to be no doubt that the outlay on these two tanks is necessary to render them secure, and the estimates are accordingly recommended for sanction.

7. The following statement shows the proposed distribution of the outlay recommended for sanction, to the debit of the several heads of account involved :—

Name of Tanks.	Name of Work.	FUND.			
			Revenue.		Total for each Tank, &c.
		Capital, Ordinary.	Extensions and Improvements.	Repairs.	
		Rs.	Rs.	Rs.	Rs.
Ramasamoodram Tank ...	Constructing a masonry weir	3,475	...	...	3,510
	Dismantling the existing stone in clay escape	...	35	...	
	Raising and repairing the bund ...	...	...	3,020	
Edula Tank	Constructing a masonry weir ...	970	...	...	1,315
	Raising the bund and clearing the bushes	...	...	345	

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

No. 453. ORDER THEREON, 26th May 1876, No. 1,315.

IRRIGATION, No. 46.

Account.

No. 56 W, dated 20th May 1876.

THE following estimates for Irrigation Works in the Kurnool Range, Kurnool District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned :—

Irrigation.

Name of Work.	Item of Estimate.	Fund.	Amount.	Irrigation Registry No.	
			Rs.		
Ramasamoodrum Tank.	Constructing a masonry weir ...	Capital, Ordinary ...	3,475	36 I. / 1	36 I.
	Dismantling the existing stone in clay escape.	Revenue I. A. Extensions and Improvements	35	36 I. / 2	
	Raising and repairing the bund ...	Revenue I. B. Maintenance and Repairs...	3,020	36 I. / 3	
Edula Tank	Constructing a masonry weir ...	Capital, Ordinary ...	970	37 I. / 1	37 I.
	Raising the bund and clearing the bushes.	Revenue I. B. Maintenance and Repairs.	345	37 I. / 2	

2. These sanctions are registered as shown above.

(True Extract.)

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

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

Exd. E. C. Shunker.
Spare Copies

G.O. No.

Press

N° 2328
Revenue 1876 Despatch

Govt. of {1876} Madras.

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
KURNOOL,
&c., &c., &c.

Dated May 26th.

Read. 10 June 76 Encl.

G. O., 26th May 1876, No. 1,316.

MAY.

Nos. 452-453.

Ramasamoodrum and Edula Tanks, Kurnool District.—Sanctioning estimates for certain works in connection with the —.

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6.6.76 12 June 1876

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