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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	866	~~Press~~
B.R. No.		Mis.
Dated	10-4-1876	196

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Proceedings of the Madras Government, Public Works Department,
27th March 1876.

Read the following:—

No. 267.

No. 397.

Note by the Chief Engineer for Irrigation.

The following estimates from the Serooloor Range are forwarded by the Superintending Engineer, Chingleput, with his letter marginally noted:—

Taluk.	Estimate No. 187	Work.	Amount.
Trivellore	...	Alli-cooly Tank	Rs. 970
Do.	...	Villapakam large Tank	507
Do.	...	Villapakam small "	632
Do.	...	Ramanthundalam "	852

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.	Average Revenue for 5 years.	Highest Revenue for 5 years.	Expenditure during previous 4 years.	AMOUNT OF ESTIMATE.		
					Capital.	Revenue.	Total.
Alli-cooly Tank	226	Rs. 683	Rs. 736	Rs. 962	Rs. 456	Rs. 520	Rs. 976
Villapakam large Tank	69	233	235	...	127	330	507
Villapakam small "	1-0	421	435	238	127	535	662
Ramanthundalam "	123	485	577	...	137	735	852

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SLOPE.		Total.	Receives.	AVERAGE HEIGHT OF BUND.		Surplus discharge type of M.F.L. per S.C.	Tanks above.
		Catchment per Second.	Channels per Second.			Above F.T.L.	Above M.T.L.		
Alli-cooly Tank	13	3,732	...	W 31	81	7'125	4'125	1,414	Not stated.
Villapakam large Tank	55	1,763	...	W 183	213	8'5	4'5	3718'5	Do.
Villapakam small "	7	2,068	...	W 255	285	8'5	3'5	879'5	Do.
Ramanthundalam "	5	1,611	...	W 333	333	4'5	3'5	1027'7	Do.
				W 31	267	4'5	3	919'6	

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.—Catchment with dam stones, W.—Weir with Bakh crest, E.—Escape at ground level, B.—Bund of tank.

3. The following is a summary of the work proposed to be carried out.

Alli-cooly Tank.—This tank drains 13 square miles of hilly country, and had two weirs, one 30 feet in length, the other 51 feet; the latter, an old native structure, was

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almost destroyed during the last monsoons; both surplus channels also were breached. The estimate provides for closing the breaches, raising, sectioning, and turfing bund and forming an escape.

Villapakam Large Tank.—The escape of this tank is reported to be insufficient, and it is proposed to extend it by removing a portion of the bund to ground level, and, as the tank has no sluice, one is proposed to be constructed. The estimate provides for the above as well as for closing breaches and raising, sectioning and turfing the bund.

Villapakam Small Tank.—The escape of this tank also is reported to be insufficient, and it is proposed to remove a portion of the bund so as to provide an adequate outlet, and, as the tank has no sluice, one is provided for in the estimate; the estimate also provides for closing breaches and raising, sectioning, and turfing the bund.

Ramanthudalam Tank.—This tank is supplied by local drainage, and was breached by an overflow of the Cortilliar river. The estimate provides for the construction of a second-class sluice, repairing sluice and calingulah, forming an escape, closing breaches, and raising, sectioning, and turfing the bund.

4. Rupees 847 were expended on the Allicoody tank in 1870-71. It should have been noted what repairs were executed, as apparently the bund should not have required re-sectioning within so short a time, if the petty repairs had been properly attended to by the villagers. It is not stated whether the tank is an isolated one or not. If it is, the ayacut is small for the drainage into it, and the circumstance should have been noted and explained.

The sluices for the Villapakam large and small tanks and the Ramanthudalam tanks in the Note of the Chief Engineer 1876.

As the escape for the last is to be reduced, the length must be greater than 300 feet, and an increase of head of

5. The allocation of the expenditure heads of account is shown below:

Name of Tank.	Estimate No. 231	Nature of Work.	Capital Ordinary.	REVENUE.		Total.
				Extensions and Improvements.	Repairs.	
Allicoody Tank	...	Repairing the bund and closing breaches. Masonry weir	450	...	520	970
Villapakam large Tank	...	Repairing the bund and closing breaches. Forming an escape planted with grass with rough-stone wing walls. Irrigation sluice	127	44	336	507
Villapakam small Tank	...	Repairing the bund and closing breaches. Forming an escape planted with grass with rough-stone wing walls. Irrigation sluice	127	79	406	632
Ramanthudalam Tank	...	Repairing the bund, a sluice, and a calingulah, and closing breaches. Forming an escape planted with grass with masonry wing walls. Irrigation sluice	127	58	667	852

Fort St. George,
29th February 1876.

(Signed) A. DE C. SCOTT, Major, R.E.,
Deputy Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,
27th March 1876.

No. 398.

ORDER THEREON, 27th March 1876, No. 760.

IRRIGATION, No. 31.

Account.

No. 267, dated 29th February 1876.

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

Name of Tank.	Provision of Estimate.	Fund.	Amount.	Irrigation Register No.
Allicoody Tank	Repairing the bund and closing breaches. Masonry weir	Revenue Repairs	520	56 I of 1875-76.
Villapakam large Tank	Repairing the bund and closing breaches. Forming an escape planted with grass with rough-stone wing walls. Irrigation sluice	Capital, Ordinary	450	
Villapakam small Tank	Repairing the bund and closing breaches. Forming an escape planted with grass with rough-stone wing walls. Irrigation sluice	Revenue Repairs	336	57 I of "
Ramanthudalam Tank	Repairing the bund, a sluice, and a calingulah, and closing breaches. Forming an escape planted with grass with masonry wing walls. Irrigation sluice	Revenue Extensions and Improvements	41	
		Capital Ordinary	127	
		Revenue Repairs	456	58 I of "
		Revenue Extensions and Improvements	79	
		Capital, Ordinary	127	
		Revenue Repairs	667	59 I of "
		Revenue Extensions and Improvements	58	
		Capital, Ordinary	127	

2. These sanctions are registered as shown above.

(True Ex. set.)

Major-General, R.E.,
Secretary to Government.

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

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