

- (1) Number of pages 4
(2) Date of repair 28-10-69
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.
B.P. No.

866

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1/866

*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 Sercoloor Range are forwarded by the Superintending Engineer, Chingleput, with his letter marginally noted :—

Taluk.	Estimate No. 187	Work.	Amount.
Trivellore	...	Allicooley Tank	Rs. 970
Do.	...	Villapakam large Tank	507
Do.	...	Villapakam small „	662
Do.	...	Ramanthundalum „	852

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

I.—Financial Details.

Name of Work.	Aysent Area. ACRES.	Height. FT.	Average Revenue for 5 years. RS.	Highest Revenue for 5 years. RS.	Expenditure during previous 4 years. RS.	AMOUNT OF ESTIMATE.		
						Capital.	Revenue.	Total.
Allicooley Tank	206	...	683	756	962	450	520	970
Villapakam large Tank	69	...	283	345	...	127	390	507
Villapakam small „	150	...	431	455	265	127	535	662
Ramanthundalum „	198	...	485	577	...	137	725	852

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area. SQ. M.	MAXIMUM SOFT		DEPTH OF ESCAPE.		AVERAGE HEIGHT OF BUND.		Surplus discharge M.T.L. per 8 sq. M.T.L. per 8 sq.	Tanks above.
		Catchment per Second.	Channels per Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
Allicooley Tank	15	3,738	...	W 31 W 30 } 213	31	7' 125	4' 125	1,414	Not stated
Villapakam large Tank	55	1,769	...	W 183 } 213	160	8' 5	4' 5	3718'5	Do.
Villapakam small „	7	2,068	...	E 255 } 285	78	4' 5	3	879'5	Do.
Ramanthundalum „	5	1,644	...	E 333 } 333	not given	4' 5	3	1027'7	Do.
				W 21 } 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.—Chingleput with dam stones. W.—Woir 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.

Allicooley Tank.—This tank drains 15 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.

Ramanthundalum 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 calngulah, forming an escape, closing breaches, and raising, sectioning, and turfing the bund.

4. Rupees 847 were expended on the Allicooley 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 damage into it, and the circumstance should have been noted and explained.

The sluices for the Villapakam large and small tanks and the Ramanthundalum tank require revision in reference to the marks in the Note of the Chief Engineer for Irrigation, No. 223, dated 21st February 1876.

As the escape for the last is to be provided with grass and the co-efficient thereby reduced, the length must be greater than that provided for. It should not be less than 300 feet, and an increase of head of breaches may also be admitted on emergency.

5. The allocation of the expenditure recommended for sanction to the several heads of account is shown below:—

Name of Tank.	Estimate No. of 187	Nature of Work.	Capital Ordinary.	REVENUE.		Total.
				Extensions and Improvements.	Repairs.	
Allicooley Tank	...	Repairing the bund and closing breaches, Masonry weir	450	...	520	970
Villapakam large Tank	...	Repairing the bund and closing breaches...	...	...	336	507
		Forming an escape planted with grass with rough-stone wing walls	...	44	...	
Villapakam small Tank	...	Irrigation sluice	127	...	...	602
		Repairing the bund and closing breaches, Forming an escape planted with grass with rough-stone wing walls	...	79	...	
Ramanthundalum Tank	...	Irrigation sluice	127	...	...	552
		Repairing the bund, a sluice, and a calngulah, and closing breaches	...	...	667	
	...	Forming an escape planted with grass with masonry wing walls	...	58	...	
		Irrigation sluice	127	...	...	

Fort St. George,
29th February 1876.

(Signed) A. DEC. 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.
Allicooley Tank	Repairing the bund and closing breaches, Masonry weir	Revenue Repairs	520	56 I of 1875-76.
	Repairing the bund and closing breaches	Capital, Ordinary	450	
Villapakam large Tank	Forming an escape planted with grass with rough-stone wing walls	Revenue Repairs	336	57 I of "
	Irrigation sluice	Revenue Extensions and Improvements	44	
Villapakam small Tank	Repairing the bund and closing breaches	Capital Ordinary	127	58 I of "
	Forming an escape planted with grass with rough-stone wing walls	Revenue Repairs	456	
Ramanthundalum Tank	Irrigation sluice	Revenue Extensions and Improvements	79	59 I of "
	Repairing the bund, a sluice, and a calngulah and closing breaches	Capital, Ordinary	127	
	Forming an escape planted with grass with masonry wing walls	Revenue Repairs	667	
	Irrigation sluice	Revenue Extensions and Improvements	58	
		Capital, Ordinary	127	

2. These sanctions are registered as shown above.

(True Ex. act.)

Comptroller 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.

Exd. E. C. Shunker.

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Revenue Department
No. 11450
Govt. of 1876 Madras
PUBLIC WORKS.

To
✓
THE DISTRICT ENGINEER,
CHINGLEPUT
&c., &c.

Dated March 24th.

Amount

Rs. 4911/10

Rs.

G. O., 27th March 1876, No. 760.

MARCH

No. 397-398

78th Div. No. 24/6

Irrigation Works (Chingleput District)
Estimates for repairing and improving
and... sanctioned
No. 866
Comm. to the
Board of Revenue
10 April 76