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(2) Date of repair 29-11-69

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue

DEPARTMENT

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

1249

Press
Mis.

Dated

29-5-1876

196

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
8th May 1876.

Read the following:—

No.

No. 77. Note by the Chief Engineer for Irrigation.

The following estimates from the Wallajah and Chittoor Ranges are forwarded to the District Engineer, North Arcot, with his letter marginally noted:—
No. 4,073, dated 2nd March 1876.

Taluk.	Village.	Work.	Amount.	Estimate No. 1875-76.
Wallajah	...	Seethavanatham Tank...	Rs. 1,130	74 and 75
Goriattum	...	Alathoor Otary Tank ...	1,140	69 and 76
Palmanair	...	Sucalagunta Otary Tank of Bonaverypully ...	300	71 and 72
Do.	...	Thurthum large Tank ..	2,380	73 and 74

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.	Average Revenue for 5 years.	Highest Revenue for 5 years.	During the previous 4 years.	OUTLAY.			
						Proposed.			
						Capital.	Revenue.	Average annual proportion of Charges to Revenue.	
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT.	
Seethavanatham Tank	81	305	172	...	...	...	1,180	137	
Alathoor Otary Tank	57	404	433	...	...	410	730	52.6	
Sucalagunta Tank of Bonaverypully	12	57	27	...	...	155	145	222	
Thurthum large Tank	50	397	325	...	...	600	1,780	90.2	

II.—Hydraulic Details.

Name of Work.	Catchment Basin, Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE.		AVERAGE HEIGHT OF BUND.		Surplus discharged at M. T. L. per Sec.	Tanks above.
		Catchment per Second.	Channels per Second.	Total.	Effective.	Above F. T. L.	Above M. T. L.		
	SQ. M.	C. FT.	C. FT.	FT.	FT.	FT.	FT.	C. FT.	No.
Seethavanatham Tank	3	1,404	...	E 35	35	2.16	0.0	309.3	...
Alathoor Otary Tank	1.75	817	...	E 160	160	4.5	2.0	1,416.5	...
				Not stated.	Not stated.	3.5	1.5	0.0	...
Sucalagunta Tank of Bonaverypully	.75	404	...	W 93	93	4.5	2.5	883.7	...
				W 23	28	3.0	1.0	266.1	...
				W 50	50	4.0	2.0	475.1	...
Thurthum large Tank	3	1,170	...	W 64	54	2.69	.69	513.1	...
				W 120	120	4.5	2.5	1,140.3	...

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

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

Seethavanatham Tank.—This tank has one escape the length of which is 35 feet. An escape of 125 feet in length is proposed in addition, making an aggregate length of 160 feet available for the surplus discharge. The estimate provides for raising and strengthening the bund, closing the breach, repairing the sluice and the existing escape, and constructing a new rough stone escape.

Alathoor Otary Tank.—This tank has no permanent outlet, but surpluses through a cut made at the end of the bund, which has been widened and deepened to such an extent that it is impossible to regulate the discharge any longer. The estimate provides for raising and repairing the bund and constructing a weir.

Sucalagunta Tank of Bonaverryully.—This tank breached in two places during the heavy rains of 1874, and the sluice was carried away. The estimate provides for extending the existing weir, raising and sectioning the bund, and constructing an irrigation sluice.

Thurthum large Tank.—This formerly a Dasabundum tank has been resumed by the Government, owing to the Dasabundumdars failing to keep it in proper order. The estimate provides for raising and repairing the bund, closing the breach, and constructing an irrigation sluice and extending the existing weir.

4. 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 Tank.	Item of Estimate.	FUND.			
		Capital, Ordinary.	Extensions and Improvements.	Repairs.	Total for each Tank, Rs.
Seethavanatham Tank	Raising and strengthening the bund closing the breach, and repairing sluice and calingulah	Rs. 920	Rs. 260	Rs. 920	Rs. 1,180
Alathoor Otary Tank	Constructing a loose stone escape	...	...	...	...
	Raising and repairing the bund	...	...	730	1,140
	Constructing a weir	410	...	...	1,140
Sucalagunta Tank of Bonaverryully.	Raising and repairing the bund and closing breaches	...	...	100	...
	Constructing an irrigation sluice in place of the old one	...	...	...	...
	Extending the existing weir	...	45	...	...
	Raising and repairing the bund and closing the breach	155	...	...	300
Thurthum large Tank	Constructing an irrigation sluice to replace the one which was washed away	...	...	1,050	...
	Extending the existing weir	600	730	...	2,330

The proposed outlay on the Seethavanatham Tank amounts to nearly seven years average revenue, but if the full ayacut assessment is realized, the increased revenue will yield a return of about 11 per cent. on the proposed expenditure. The return on the proposed outlay on the Sucalagunta Tank of Bonaverryully will be about 10 per cent. if a similar result is secured.

FORT ST. GEORGE,
28th April 1876.

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

To the Secretary to Government, Public Works Department.

Proceedings of the Madras Government, Public Works Department,
8th May 1876.

No. 78.

ORDER THEREON, 8th May 1876, No. 1,120.

IRRIGATION, No. 11.

Account.

No. 50 W, dated 28th April 1876.

The following estimates for Irrigation Works in the Wallajah and Chittoor Districts, North Arcot District, forwarded to the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned :—

Name of Work.	Item of Estimate.	Fund.	Amount.	Irrigation Registry No.
Seethavanatham Tank...	Wallajah Range.	Revenue Repairs	Rs. 920	23 I.
	Raising and strengthening the bund, closing the breach, and repairing sluice and calingulah.	Revenue Repairs	260	23 I.
	Constructing a loose stone escape.	Revenue Extensions and Improvements.	730	24 I.
Alathoor Otary Tank ...	Chittoor Range.	Revenue Repairs	410	24 I.
	Raising and repairing the bund..	Revenue Repairs	410	24 I.
Sucalagunta Tank of Bonaverryully.	Constructing a weir ...	Capital Ordinary	100	25 I.
	Raising and repairing the bund and closing breaches.	Revenue Repairs	45	25 I.
	Constructing an irrigation sluice in place of the one which was washed away.	Revenue Extensions and Improvements.	155	25 I.
	Extending the existing weir	Capital Ordinary	155	25 I.
Thurthum large Tank ...	Raising and repairing the bund and closing the breach.	Revenue Repairs	1,050	26 I.
	Constructing an irrigation sluice to replace the old one washed away.	Revenue Extensions and Improvements.	730	26 I.
	Extending the existing weir	Capital Ordinary	600	26 I.

2. These sanctions are registered as shown above.

(True Extract.)

[Signature] Colonel,
Offg. Under Secy. to Govt., P.W.D.

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

Exd. E. C. Shunker.

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