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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.	1249	Press
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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 of Irrigation.*

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

Taluk.			Village.	Work.	Amount.	Estimate No. 1875-76.
					Rs.	
Wallajah	...	...	...	Seethavanatham Tank...	1,180	74 and 75
Goriattum	...	...	...	Alathoor Otary Tank ...	1,140	69 and 76
Palmanair	...	...	...	Sucalagunta Otary Tank of Bonaverpully ...	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 Value for 5.	Highest Revenue for 5 years.	During the previous 4 years.	OUTLAY.			
						Proposed.			Average annual proportion of Charge to Revenue.
						Capital.	Revenue.		
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT.
Seethavanatham Tank	...	81	305	172	...	...	...	1,180	137
Aithoor Otary Tank	...	57	464	483	...	...	410	730	52.6
Sucalagunta Tank of Bonaverryally	...	13	57	27	...	...	15.5	145	22.3
Thurthum large Tank	...	50	897	395	...	...	6.00	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.		
Seethavanatham Tank	8	1,404	...	E 35	35	2.16	0.0	309.3	...
Alathoor Otary Tank	175	817	...	E 160	160	4.5	2.0	1,416.5	...
				Not stated.	Not stated.	3.5	1.5	0.0	...
Sucalagunta Tank of Bonavery-pully	75	464	...	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	...
Tharthum large Tank	8	1,170	...	W 64	64	2.69	.69	513.1	...
				W 120	120	4.5	2.5	1,140.3	...

NOTE.—The proposed dimensions of escapes and heights of band are printed in large type. The existing dimensions in small type. The following abbreviations are used:—C.—Cajingulah 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 Bonavarypully.—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 Dasabundums 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, &c.
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	410	730	730	1,140
Sucalagunta Tank of Bonavarypully.	Raising and repairing the bund and closing breaches	100	45	100	200
Thurthum large Tank	Constructing an irrigation sluice in place of the old one	155	1,050	1,050	1,205
	Extending the existing weir	600	730	730	1,330

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 Bonavarypully 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.

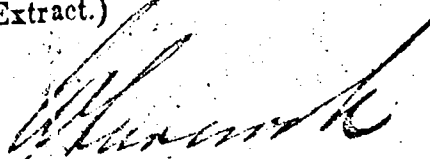
No. 50 W, dated 28th April 1876.

THE following estimates for Irrigation Works in the Wallajah and Chittoor Districts, North Arcot District, forwarded 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	Wallojah Range. Raising and strengthening the bund, closing the breach, and repairing sluice and calingulah.	Revenue Repairs	Rs. 920	23 I. 1
	Constructing a loose stone escape.	Revenue Extensions and Improvements.	260	23 I. 2
Alathoor Otary Tank	Chittoor Range. Raising and repairing the bund.	Revenue Repairs	730	24 I. 1
	Constructing a weir	Capital Ordinary	410	24 I. 2
Sucalagunta Tank of Bonavarypully.	Raising and repairing the bund and closing breaches.	Revenue Repairs	100	25 I. 1
	Constructing an irrigation sluice in place of the one which was washed away.	Revenue Extensions and Improvements.	45	25 I. 2
	Extending the existing weir	Capital Ordinary	155	25 I. 3
Thurthum large Tank	Raising and repairing the bund and closing the breach.	Revenue Repairs	1,050	26 I. 1
	Constructing an irrigation sluice to replace the old one washed away.	Revenue Extensions and Improvements.	730	26 I. 2
	Extending the existing weir	Capital Ordinary.	600	26 I. 3

2. These sanctions are registered as shown above.

(True Extract.)


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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NORTH AFRICA,
S.E., &c., &c.

Noted 27 May 1964.

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Recd. 27.

End.

C. O., 8th May 1876, No. 1,129.

FAY.

103. 77-78.

A. H.

Irrigation Works.--Estimates for certain
— in the Wallajah and Chittaur Ranges,
North Arcot District, sanctioned.

No. 12159
 Commenced *27th*
 R.D. of Kent 1
 29th May 1876