

(1) Number of pages 4

(2) Date of repair _____

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	918	~~Press~~
B.P. No.		Mis.
Dated	22-11-1876	197

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918

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

Read the following:—

No. 11-W.

No. 403. *Note by the Chief Engineer for Irrigation.*

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

Taluq.	Village.	Work.	Amount.
Madranticum	...	Orathy Small Tank	Rs. 725
"	...	" Moottyen Tangle	260
"	...	Lathoor Tank	867
Chingleput	...	Koonnavakem Tangle	211

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.	Expenditure during previous 4 years.	AMOUNT OF ESTIMATE.		
						Capital.	Revenue.	Total.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Orathy Small Tank	74	562	375	431	...	...	725	725
Do. Moottyen Tangle	30	136	133	193	...	...	260	260
Lathoor Tank	73	812	278	314	...	...	867	867
Koonnavakem Tangle	20	123	55	87	...	46	165	211

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.	Channel per Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
	SQ. M.	C. FT.	C. FT.	FT.	FT.	FT.	FT.	C. FT.	
Orathy Small Tank	1.5	787	...	E 87	87	2.75	.75	551.3	...
Do. Moottyen Tangle	.75	454	...	E 82	82	4	2	519.5	...
Lathoor Tank	1.25	647	...	E 80	80	1.75	.5	98.9	...
Koonnavakem Tangle	.5	354	...	E 96	96	2.75	1.5	300.5	...
				E 72	72	4	2	459.1	...
				E 10	10	3.33	1.33	63.4	...
				E 37	37	4	2	173.8	...

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.—Calingalah 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.

Orathy Small Tank.—This tank was damaged by a cyclone in 1874. It discharges through an 87-feet opening, a breach cut down to F.T.L. It is proposed to replace the

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existing outlet by a rough-stone escape 82 feet in length which is calculated to discharge the drainage with a two-feet head. The estimate provides for raising and sectioning the bund, turfing and planting grass, repairing sluice, and constructing a rough-stone escape.

Orathy Moottien Tank.—This tank also was damaged by the cyclone of 1874. The surplus is discharged through a breach in the bund. It is proposed to remove the bund to F.T.L. and to extend the breach. The estimate provides for raising and sectioning the bund, turfing and planting tank grass, repairing the pot sluice, lowering the bund and extending the breach.

Lathoor Tank.—This tank is situated in the catchment ground of the Kulcolom Tank; its general condition is reported to be bad in consequence of its having suffered severely during the two last cyclones. It has two sluices—a pot and a masonry sluice; it is proposed to remodel the latter according to a plan now in use. The surplus is discharged at the north flank, but during floods temporary escapes are cut in the bund. It is proposed to construct a rough-stone escape 72 feet in length. The estimate provides for raising and sectioning the bund, turfing and planting tank grass, repairing sluice, and constructing a rough-stone escape.

Koonnavakem Tangle was breached by the floods of November last. The estimate provides for extending the existing cut from 10 to 37 feet in length, for raising and sectioning the bund, planting tank grass and turfing, revetting the end of the bund and constructing a sluice.

4. The lengths of rough escape provided should be as follow:—

Orathy Small Tank	100 feet.
Do. Moottien Tangle	110 "
Lathoor Tank	100 "
Koonnavakem Tangle	60 "

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

Name of Tank.	Nature of Work.	HEADS OF ACCOUNT.			
		Capital, Ordinary.	Extensions and improvements.	Repairs.	Total for each Tank, Rs.
Orathy Small Tank	Raising and sectioning the bund, turfing and planting grass, repairing the sluice, and constructing a rough-stone escape.	Rs.	Rs.	Rs.	Rs.
Do. Moottien Tangle	Raising and sectioning the bund, turfing and planting tank grass, repairing the pot sluice, and extending the existing breach for escape.	...	...	725	725
Lathoor Tank	Raising and sectioning the bund, turfing and planting tank grass, repairing sluice, and constructing a rough-stone escape.	...	...	260	260
Koonnavakem Tangle	Raising and sectioning the bund, planting tank grass, turfing and revetting the end of bund.	...	...	867	867
Do.	Constructing an irrigation sluice.	45	...	165	210

For St. George,
17th March 1876.

(Signed) A. McC. 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. 404. ORDER THEREON, 27th March 1876, No. 763.

Sanction No. 34.
Account.

No. 11-W., dated 17th March 1876.

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

Name of Work.	Provision of Estimate.	Fund.	Amount.	Irrigation Register No.
Orathy Small Tank	Raising and sectioning the bund, turfing and planting grass, repairing sluice and constructing a rough-stone escape.	Revenue, Repairs	Rs. 725	60-I of 1875 76
Do. Moottien Tangle	Raising and sectioning the bund, turfing and planting tank grass, repairing the pot sluice, and extending the existing breach for escape.	Do. do.	260	61-I of "
Lathoor Tank	Raising and sectioning the bund, turfing and planting tank grass, repairing sluice and constructing a rough-stone escape.	Do. do.	867	62-I of "
Koonnavakem Tangle	Raising and sectioning the bund, planting tank grass, turfing and revetting the end of bund.	Do. do.	165	63-I of "
Do.	Constructing an irrigation sluice.	Capital, Ordinary	45	

2. These sanctions are registered as shown above.

(True Extract.)

Lyndal 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. A. S. Redgare.

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PUBLIC WORKS.

N. 1483

THE DISTRICT ENGINEER,
CHINGLEPUT.

Sec. Sec. Sec.

Dated March 27th.

Issued

Recd *13th April.*

Encl.

G. O., 27th March 1876, No. 703.

MARCH.

Nos. 403-404

Irrigation Works, Chingleput District.
Estimates for improving certain +, etc.
tioned

No 918

Commenced by the
Board of Revenue

22nd June 1876

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