New No. Sectt. I (i)-1—Old No. M.R.O. 1—10,006—10-6-65.

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(2) Date of repair 19-11-69

(3) Initials of the Referencer

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. / ~~R.P. No.~~	1132	Press / Mis.
Dated	16-5-1876	196

Not to be folded or roughly handled

Read the following :—

No. 40 V.

No. 379. *Note by the Chief Engineer for Irrigation.*

THE following estimates from the Chittoor and Poloor Ranges are forwarded by the District Engineer, North Arcot, with his letter marginally noted :—

No. 3,909, dated 16th February 1876.

Taluq.	Village.	Work.	Amount.	Estimate No. 1875-76.
			RS.	
Palmanair	...	Maniyunthrum large Tank...	2,410	41 and 42
Do.	...	Yellanagarum Tank ...	2,010	43 and 44
Wandewash ...	...	Susamungalum Tank ...	5,170	18
Chittoor	...	Veeraragavaredy Tank ...	1,700	56 and 57

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.	Highest Revenue for 5 years.	During the previous 4 years.	OUTLAY. Proposed. Capital.	Revenue.	Total.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.
Maniyunthrum large Tank	100	550	...	...	425	1,985	2,410
Yellanagarum Tank	103	404	...	...	...	2,010	2,010
Susamungalum Tank	1,325	7,642	...	1,900	1,500	3,670	5,170
Veeraragavareddy Tank	34	307	...	...	680	1,020	1,700

II.—Hydraulic details.

Name of Work.	Catchment Basin, Area.	Maximum Supply. Catchment per Second.	Channels per Second.	Lift of Ex. Total.	Effective.	Average Height of Bund. Above F.T.L.	Above M.T.L.	Surplus discharged at M.T.L. per Sec.	Tanks above.
	SQ. M.	C. FT.	C. FT.			FT.	FT.	C. FT.	No.
Maniyunthrum large Tank ...	4	1,417	...	E 1		2·70	0·70	190·0	Not stated.
						4·50	2·50	1,425·4	
Yellanagarum Tank ...	3·5	1,296	...	E 1		2·45	0·45	918·6	Do.
				E 14		4·50	2·50	918·6	
Susamungalum Tank ...	21·	4,291	...	C &		4·62	1·62	1,501·4	16
				W 2		6·00	3·00	4,853·3	
Veeraragavareddy Tank ...	2·5	828	...			2·13	0·13	0·0	Not stated.
						4·50	2·50	855·2	

NOTE.—The proposed dimensions of escape... in large type. The existing dimensions in small type. The following abbreviations... with stones. W.—Weir with Bush crest. E.—Escape at ground level...

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

Maniyunthrum large Tank.—Raising and repairing the bund, and repairing the escape, constructing a new masonry escape, and reconstructing two irrigation sluices.

Yellanagarum Tank.—Raising and repairing the bund, repairing the escape, and reconstructing an irrigation sluice.

Susamungalum Tank.—Raising and repairing the bund, constructing a masonry weir, improving the north-west weir, blocking up the old calingulah with masonry, and raising the wing walls of the same, constructing a head and rear cistern to the irrigation sluice, and constructing a sluice at the head of the Theroomany supply channel.

Veeraragavareddy Tank.—Raising and repairing the bund, constructing a masonry weir, extending the revetment of the bund, and reconstructing the irrigation sluice.

4. The escape of the Yellanagarum tank should be extended 50 feet, and an addition of Rupees 100 may be made to the estimate for the purpose.

There are two high level sluices in the Veeraragavareddy tank bund which are reported to be leaky, and the sluice which is to be reconstructed is intended to be a substitute for them. Apparently the old sluices should either be rooted out or blocked up so as to prevent waste of water.

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.	Name of Work	FUND. Capital Ordinary.	Revenue. Extensions and Improvements.	Revenue. Repairs.	Total for each Tank, &c.
	Chittoor Range	Rs.	Rs.	Rs.	Rs.
Maniyunthrum large Tank.	Raising and repairing the bund and also repairing the escape	...	...	1,275	2,419
	Constructing a masonry escape	425	...	...	
	Reconstructing two irrigation sluices	...	710	...	
Yellanagarum Tank.	Raising and repairing the bund and also repairing the escape	...	...	1,480	2,010
	Reconstructing the irrigation sluice	...	530	...	
	Poloor Range				
Susamungalum Tank.	Raising and repairing the bund	...	...	2,900	6,170
	Constructing a masonry weir	1,500	...	...	
	Improving N. W. weir	...	115	...	
	Blocking up old calingulah with masonry, and raising wing walls of same	...	270	...	
	Constructing a head and rear cistern to the irrigation sluice	...	105	...	
	Constructing a sluice at the head of the Theroomany supply channel	...	280	...	
	Chittoor Range				
Veeraragava-reddy Tank.	Raising and repairing the bund	...	...	360	1,700
	Constructing a masonry weir	630	...	...	
	Extending the revetment of the bund	50	...	...	
	Reconstructing the irrigation sluice	...	660	...	

20th April 1876.

(E[illegible])

A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engineer for Irrigation,
for *Chief Engineer for Irrigation.*

Proceedings of the Madras Government, Public Works Department, 26th April 1876.

No. 380. ORDER THEREON, 26th April 1876, No. 1,048.

IRRIGATION, No. 28.

Account.

No. 40 W., dated 20th April 1876.

THE following estimates for Irrigation Works in the Chittoor and Poloor Ranges, North Arcot District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned :—

Name of Work.	Item of Estimate.	Fund.	Amount.	Irrigation Registry No.
	Chittoor Range.		Rs.	
Maniyunthrum large Tank.	Raising and repairing the bund and also repairing escape.	Revenue Repairs ...	1,275	16 I.
	Constructing a new masonry escape	Capital Ordinary ...	425	
	Reconstructing two irrigation sluices	Revenue—Extensions and Improvements.	710	
Yellanagarum Tank ...	Raising and repairing the bund and also repairing escape.	Revenue Repairs ...	1,480	17 I.
	Reconstructing the irrigation sluice	Revenue—Extensions and Improvements.	530	
	Poloor Range.			
Susamungalum Tank ...	Raising and repairing the bund ...	Revenue Repairs ...	2,900	18 I.
	Constructing a masonry weir ...	Capital Ordinary ...	1,500	
	Improving the north-west weir ...	Revenue—Extensions and Improvements.	115	
	Blocking up old calingulah with masonry, and raising wing walls of same.	Do. do. do.	270	
	Constructing a head and rear cistern to the irrigation sluice.	Do. do. do.	105	
	Constructing a sluice at the head of the Theroomany supply channel.	Do. do. do.	280	
	Chittoor Range.			
Veeraragavareddy Tank	Raising and repairing the bund ...	Revenue Repairs ...	360	19 I.
	Constructing a masonry weir ...	Capital Ordinary ...	630	
	Extending the revetment of the bund	Do. ...	50	
	Reconstructing the irrigation sluice	Revenue—Extensions and Improvements.	660	

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 North Arcot.
„ Chief Engineer for Irrigation.
„ Examiner of Public Works Accounts.
„ Revenue Department.

Exd. E. C. Shunker.

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Govt. of 1876 Madras.

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
NORTH ARCOT,
&c., &c., &c.

Dated April 26th.

Issued

Recd. May Encl.

G. O., 26th April 1876, No. 1,048.

APRIL.
Nos. 379-380

Irrigation Works.—Estimates for certain in the Chittoor and Poloor Ranges, North Arcot District, sanctioned.

10 Sets Orders