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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 1048	(2)	Press
~~B.P. No.~~		~~Mis.~~
Dated 26-4-	1876	

Not to be folded or roughly handled

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

Read the following:—

No. 40 W.

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:—

Talaq.	Village.	Work.	Amount.	Estimate No. 1875-76.
Palmanair ...	...	Maniyunthrum large Tank...	RS. 2,410	41 and 42
Do. ...	...	Yellanagarum Tank ...	2,010	43 and 44
Wandewash ...	...	Susamungalum Tank ...	5,170	18
Chittoor ...	...	Veeraragavareddy 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.	Average Revenue for 5 years.	Highest Revenue for 5 years.	During the previous 4 years.	OUTLAY.		
						PROPOSED.		
						Capital.	Revenue.	Total.
Maniyunthrum large Tank ...	ACRES. 100	RS. 550	RS. 497	...	...	RS. 425	RS. 1,985	RS. 2,410
Yellanagarum Tank ...	103	404	209	...	...	...	2,010	2,010
Susamungalum Tank ...	1,335	7,642	9,477	...	1,900	1,500	3,670	5,170
Veeraragavareddy Tank ...	34	307	232	...	...	680	1,020	1,700

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.
Maniyunthrum large Tank ...	4	1,417	...	E 30	30	2.70	0.70	190.0	Not stated.
Yellanagarum Tank ...	3.5	1,296	...	E 150	150	4.50	2.50	1,425.4	Do.
Susamungalum Tank ...	21	4,281	...	E 145	145	2.45	0.45	918.6	16
Veeraragavareddy Tank ...	2.5	828	...	E 145	145	4.50	2.50	918.6	Not stated.
				C & W	88	4.62	1.62	1,501.4	
				W 278	278	6.00	3.00	4,833.3	
				Not stated.	Not stated.	2.13	0.13	0.0	
				W 90	90	4.50	2.50	855.2	

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.—Calingulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

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

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.

Susamungalam 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	Description of Work	FUND.			Total for each Tank.
		Capital Ordinary.	Revenue—Extensions and Improvements.	Repairs.	
Maniyunthrum large Tank.	<i>Chittoor Range.</i>	Rs.	Rs.	Rs.	Rs.
	Raising and repairing the bund and also repairing the escape	...	...	1,275	2,410
	Constructing a masonry escape	425	...	...	
	Reconstructing two irrigation sluices	...	710	...	2,010
Yellanagarum Tank.	Raising and repairing the bund and also repairing the escape	...	...	1,480	
	Reconstructing the irrigation sluice	...	530	...	5,170
Susamungalam Tank.	<i>Poloor Range.</i>	...	...	...	
	Raising and repairing the bund	...	...	2,900	...
	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	1,700
Veeraragavareddy Tank.	Constructing a sluice at the head of the Theroomany supply channel	...	230	...	
	<i>Chittoor Range.</i>	...	...	...	...
	Raising and repairing the bund	...	...	360	
	Constructing a masonry weir	630	...	...	...
	Extending the revetment of the bund	50	...	...	
	Reconstructing the irrigation sluice	...	660	...	...

20th April 1876.

(Signed)

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.
Maniyunthrum large Tank.	<i>Chittoor Range.</i>		Rs.	
	Raising and repairing the bund and also repairing escape.	Revenue Repairs ...	1,275	1 ¹ / ₂ }
	Constructing a new masonry escape	Capital Ordinary ...	425	1 ¹ / ₂ }
	Reconstructing two irrigation sluices	Revenue—Extensions and Improvements.	710	1 ¹ / ₂ }
Yellanagarum Tank ...	Raising and repairing the bund and also repairing escape.	Revenue Repairs ...	1,480	1 ¹ / ₂ }
	Reconstructing the irrigation sluice	Revenue—Extensions and Improvements.	530	1 ¹ / ₂ }
Susamungalam Tank ...	<i>Poloor Range.</i>			
	Raising and repairing the bund	Revenue Repairs ...	2,900	1 ¹ / ₂ }
	Constructing a masonry weir	Capital Ordinary ...	1,500	1 ¹ / ₂ }
	Improving the north-west weir	Revenue—Extensions and Improvements.	115	1 ¹ / ₂ }
	Blocking up old calingulah with masonry, and raising wing walls of the same.	Do. do. do.	270	1 ¹ / ₂ }
	Constructing a head and rear cistern to the irrigation sluice.	Do. do. do.	105	1 ¹ / ₂ }
Veeraragavareddy Tank	Constructing a sluice at the head of the Theroomany supply channel.	Do. do. do.	230	1 ¹ / ₂ }
	<i>Chittoor Range.</i>			
	Raising and repairing the bund	Revenue Repairs ...	360	1 ¹ / ₂ }
	Constructing a masonry weir	Capital Ordinary ...	630	1 ¹ / ₂ }
	Extending the revetment of the bund	Do. ...	50	1 ¹ / ₂ }
	Reconstructing the irrigation sluice	Revenue—Extensions and Improvements.	660	1 ¹ / ₂ }

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.

Spare Copies

N^o 40K. 20th April 1876.

Note by the Chief Engineer for Irrigation.

No. 3909

Dated 16th July 1876.

Encls 20

The following Estimates from the Chittoor & Polov Range are forwarded
by the District Engineer North Arcot with his letter

marginally noted:—

Taluq.	Village.	Work.	Rs.	Amount. C ^o 40 1876-77
Palm-anai	Channigunthrum	large tank	2410	41122
do	Yellanagarum	tank	2010	41122
Wandewach	Lucimangalam	tank	5170	18
Chittoor	Keruragavetty	tank	1700	56107

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.	Total.
	Acres	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Channigunthrum large tank	100	550	497		Nil	425	1985	2410
Yellanagarum tank	103	404	209				2010	2010
Lucimangalam tank	1326	7642	4477		1900	1520	2670	5170
Keruragavetty tank	34	307	282		Nil	620	1020	1700

II.—Hydraulic Details.

Name of Work.	Catchment Area.	Maximum Supply.		Length of Escape.		Average Height of Band.		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.		
Mallanguntherum large tank	4	1417		E 30	30	2.70	0.70	140.0	Not stated
Yellanagarum tank	2.5	1296		E 45	45	2.46	0.46	913.6	Not stated
Lacumungalum tank	21	4221		E 107	88	2.62	1.62	1501.2	16
Veeraragavareddy tank	2.5	823		Not stated	Not stated	2.13	0.13	0.0	Not stated

Note.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. The following abbreviations are used:—K.—Kalingulah 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 in each case—

Maringuntherum 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.

Lacumungalum tank—Raising

and repairing the bund, constructing masonry weirs—improving the northwest weir, blocking up the old Cakagalah with masonry and raising the wingwalls of the same, constructing a head and near-culvert to the irrigation sluice and reconstructing a sluice at the head of the supply channel.

There is a supply channel. Veeraragavareddy tank—Raising and repairing the bund, constructing a masonry weir, extending the revetment of the bund and reconstructing the irrigation sluice.

The escape of the Yellanagarum tank should be extended fifty feet and an addition of Rs 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 rooked 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

to the debit of the several heads of account involved

Name of Tank	Name of work	Fund			Total for each tank
		Capital	Revenue	Repairs	
Chittoor Range	Raising and repairing the bund			1275	2410
Maunyantharum	Large tank also repairing the escape, constructing a masonry escape	425			
	Reconstructing two irrigation sluices		710		
Chittoor Range	Raising and repairing the bund			1480	2010
Yellamangarum	also repairing the escape				
	Reconstructing the irrigation sluice		530		
Polar Range	Raising and repairing the bund			2900	5170
Lusamangarum	Constructing a masonry weir	1500			
	Improving H.W. weir		115		
	Blocking up old Ciliyulak with masonry		270		
	Raising wing walls of canal				
	Constructing a head piece culvert to the irrigation sluice		105		
	Constructing a sluice at the head of the Theeromany supply channel		280		

Veraragavareddy

Not a printer - Red entries in margin - altered to suit
Clarendon type - and note

Chittoor Range	Raising and repairing the bund	360	1700
Yellamangarum	Constructing a masonry weir	630	
	Extending the revetment of the bund	50	
	Reconstructing the irrigation sluice	660	

per order of order
to be done

Work at

under order
of the Government
of Madras

Approved.

Major D.O.

By Chief Engineer for Irrigation
for Chief Engineer for Irr.

The Secretary to Government
Public Works Department

Chittoor

1875 Sept
No. 2828

The Chief Eng.
for Irrigation

Dated 20 April
Recd. 21 - 1876.
C. 22. No. 40 W.

Note on Estimates
Submitted by the
D. S. H. A. for certain
Irrigation works.

Form No. 1048 of 26 April 76
The Chief Eng. for Irrigation (187. No. 40 W of 20 April 76)
E. I. Form No. 3.

The following Estimates for Irrigation
works in the Chittoor & Poloor Ranges
North Arcot District, forwarded by the
Chief Engineer for Irrigation with his Memo.
marginally noted are sanctioned:—

No. 40 W.

dated 20 April

1876.

Name of Work.	Item of Estimate.	Fund.	Amount	Irrigation Registry No.
Chittoor Range Channayanthan large tank	Raising and repairing the bund and also repairing escape Constructing a new masonry escape	Revenue Repairs	1275	16/1
	Reconstructing two irrigated shuces	Capital Ordinary	425	16/2
		Revenue Extensions & Improvements	710	16/3
Chittoor Range Yellanagur tank	Raising & repairing the bund & also repairing escape Reconstructing the irrigation shuces	Revenue Repairs	11250	17/1
		Revenue Extensions & Improvements	530	17/2
		Revenue Repairs	2900	18/1
Poloor Range Susamungalam tank	Constructing a masonry wall Improving the north west well	Capital Ordinary	1500	18/2
	Blocking up old sluiceway with masonry raising wing walls of the same	Revenue Extensions & Improvements	115	18/3
	Constructing a head gear (sluiceway) to the irrigation shuce	Revenue Extensions & Improvements	270	18/4
	Constructing a shuce at the head of the Theertham supply channel	Revenue Extensions & Improvements	185	18/5
		Revenue Extensions & Improvements	280	18/6
			4	6

No. 379

Recd. 24/4/76 Oct. 24. 4. 76
Dispt. to Mr. (S. S.) 22-4-76

Veer aragawedy Chittor Range tank	Raising and repairing the bund.	Revenue Repairs	360	$\frac{19}{1}$	
	Constructing a masonry weir	Capital Ordinary	630	$\frac{19}{2}$	
	Extending the reatment of the bund.	Capital Ordinary	50	$\frac{19}{3}$	$\frac{19}{I}$
	Reconstructing the irrigation sluice.	Revenue Excesses & Improvements	660.	$\frac{19}{4}$	

2. These sanctions are required as shown above.

Ans.

No 379-380

D. E. K. Anshu
Collection do
C. E. for I with 22 Encl.
Ex. P. W. &
Per. Siph. ✓

Recd. 1. 12. 12. 12. 12.

Date 12/12/12

Chitloor Rang
Veerarayagawareddy
tamb

Raising and repairing the bund. - - -	Revenue Repairs
Constructing a Masonry weir	Capital Ordinary
Extending the recoement of the bund. - -	Capital Ordinary
Reconstructing the Irrigation sluice - - -	Revenue Extensions & Improvements

25381

Gobi. of 1876 Madras
PUBLIC WORKS.

To
Mr. H. B. Escherich

2. These sanctions are
required as shown above.

Amud

Dated
Issued
Recd
Encl

G. O. 25th Feb 1876 No. 1048

No. 379-380

Irrigation Works

Estimates for certain
in the Chitloor
Ploor Ranges. Nare
Sanctioned

Sanctioned
10-5-76

No. 379-380

Recd. 12-12-1876

Dec 12/76