

(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.	470	Press.
~~B.P.~~ No.		Mis.
Dated	25-1-1877	197.

Not to be folded or roughly handled

470 1/2
Proceedings of the Madras Govt
 12th January

470 1/2
Public Works Department,
 No. 106.

Read the
 No. 207. *Note by the Chief*
 THE following estimates from
 No. 152, dated 26th December 1876.

3:—
 for Irrigation.
 henn and Tinnevely Ranges are
 ded by the Officiating District
 eer, Tinnevely, with his letter
 ally noted:—

Taluq.	Village.
Sattoor..	Avalnetttum ..
Do.	Chattrapatti ..
Do.	Meesalore ..
Olapedarum ..	Allumpatty ..

Work.	Amount.
Iselkulum Tank and Channel..	Rs. 660
Tank	465
Tank	435
Tank	410
Total ..	1,970

2. The financial and hydraulic
 exhibited in the following statement:—

I.—Financial Details.

Name of Work.	Ayacut Area.	Assessment.	Highest Revenue for 5 years.	OUTLAY.				
				During the previous 4 years.	ORDINARY AGRICULTURAL.			
					Proposed.			
					Original Works.	Repairs.	Average annual proportion of charges to Revenue.	
	ACRES.	RS.	RS.	RS.	RS.	RS.	P. CENT.	
Cariselkulum Tank and Channel ..	40	423	383	400	..	660	58.2	
Chattrapatti Tank	37	203	151	Nil.	90	375	65.9	
Meesalore Tank	24	148	172	..	75	360	62.1	
Allumpatty Tank	63	225	Not stated.	..	95	315	48.5	
Total ..	164	999	..	400	260	1,710	58.2	

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		Total.	AVERAGE HEIGHT OF BUND.		Surplus discharged at M. T. L. per Sec.	Tanks above.
		Catchment per Second.	Channels per Second.		Above F.T.L.	Above M.T.L.		
	SQ. M.	C. FT.	C. FT.		FT.	FT.	C. FT.	NO.
Cariselkulam Tank and Channel ..	5	177.0	252.5	V	1.5	0.0	339.7	Nil.
Chattrapatti Tank ..	1	300	..	W 4	4.5	2.0	478.0	..
Meesalore Tank ..	75	240	..	Nil	Not stated.	Not stated.	269.0	..
Allumpatty Tank ..	1	300	..	W 3	3.75	2.25	290.0	..
				W 2	75	0.0	0.0	..
				W 3	3.0	1.5	234.5	..
				W 5	3.5	1.5	0.0	..
					4.5	2.5	342.1	..

NOTE.—The proposed dimensions in small type. The following with flush crest.

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3. The following is a summary case :—

Cariselkulam Tank and Channel.—are low and weak and were breache Rupees 200, and a new irrigation cost of Rupees 200. It is propose and to convert the calingulah into a the wing walls. The estimate provi

Chattrapatti Tank.—The bund having been repaired for many years tank has an irrigation sluice and a ca the latter is insufficient to discharge 9 inches below F.T.L. It is therefore crest to F.T.L., and to extend the weir repairing the bund, converting the ca

Meesalore Tank.—This tank com
is low and in need of repair. The t
order, but it is not provided with a s
and repairing the bund and constructi

Allumpatty Tank.—This tank is which crosses the South India Railway raising in parts to make it of a uniform irrigation sluices is partly destroyed. This tank is without a surplus weir. the bund, repairing an irrigation sluice.

These estimates are recommended

The following statement shows
mended for sanction to the debit of th

Name of Tank.	Items	FUND, ORDINARY AGRICULTURAL.		Total for each Tank, &c.
		Original Works.	Repairs.	
Carisellkulam Tank and Channel.	Raising and repairing the converting the calingula channel banks, and	Rs.	Rs.	Rs.
		..	660	660
Chattrapatti Tank	Raising and repairing the	..	375	465
	Extending and converting the calingulah into a	..	..	..
	weir	90	360	435
Meesalore Tank..	Raising and repairing the	..	..	..
	Constructing a weir	75	230	410
Allumpatty Tank	Raising and repairing the	..	85	..
	Repairing an irrigation	96	..	..
	Constructing a weir	..	..	..

FORT ST. GEORGE,
9th January 1877.

To the Secretary to C.

Int, Public Works Department,
7. No. 106.

work proposed to be carried out in each

ks of this supply chaunnel and tank bund ar, the breaches were closed at a cost of constructed in the tank at a further and repair the tank and channel banks, removing the dam stones, also to raise these repairs and improvements.

tank is exceedingly low and weak, not
desires to be raised and strengthened. This
both of which are in good condition, but
plus although the crest of the body wall is
sed to remove the dam stones, raise the
et. The estimate provides for raising and
sh into a weir and extending it.

is the South India Railway line, the bund
as an irrigation sluice which is in good
weir. The estimate provides for raising
masonry weir.

The bund is in fair order and only needs
 nt and section throughout. One of the
 ed up and the body requires to be rebuilt.
 stimate provides for raising and repairing
 constructing a masonry weir.

proposed distribution of the outlay recom-
ral heads of account involved:—

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

*Proceedings of the Madras Govt.
12th January*

No. 208. ORDER THEREON, 12th

IRRIGATION, No. 31.

Account.

No. 17 W, dated 9th January 1877.

Name of Work.	Item of Estimate.	ORDINARY AGRICULTURAL.	Amount.	Irrigation Registry No.
		Fund. (1) Irrigation.		
Carisselkulam Tank and Channel.	Repairing tank and channel	Rs.		
	Improving weir	680		260—I.
Chattrapatti Tank .. {	Repairing bund	375	1 }	261—I.
	Improving weir	90	2 }	
Meesalore Tank.. .. {	Repairing bund	360	1 }	262—I.
	Weir	75	2 }	
	Repairing bund	230	1 }	
Allumpatty Tank .. {	Repairing bund	85	2 }	263—I.
	Repairing irrigation sluice	95	3 }	
	Weir			
		Original Works ..		
		Do. ..		
		Original Works ..		

2. These sanctions are registered as ove.

(True E

Major-General, R.E.,

Secretary to Government.

To the District Engineer, Tinnevely.
 „ Collector of do.
 „ Chief Engineer for Irrigation.
 „ Examiner of Public Works Accounts.
 „ Revenue Department.

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1. Thermal stability - Techniques for
measuring thermal stability