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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. B.P. No.	6128	Press. Mis.
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89

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

4th October 1877, No. 375 I.

Irrigation.
Account.

Read the following papers:—

No. 28. From J. D. GRANT, Esq., Officiating District Engineer, Tinnevely, to the Chief Engineer for Irrigation, dated Palamcottah, 6th September 1877, No. 80.

I HAVE the honor to forward for sanction the following three estimates for the repairs of Irrigation works in the Tinnevely Division of this district.

3 estimates.
3 level sections.
3 sketches.
2 plans.

2. Nos. 1 and 2 were taken up as famine relief-works, the other will be required immediately, and I would therefore request early sanction.

ORDINARY AGRICULTURAL.

ORIGINAL WORKS AND REPAIRS.

Ottapedarum Taluq.

		RS.
Railway Tank.—3.	Ilevelangal Pagadiarkulam tank ...	265
Do. 2.	Theekookonarkottai tank ...	660
Do. 1.	Muramban Periakulam tank ...	550

No. 193 I.

Note by the Chief Engineer for Irrigation.

No. 28-A.

THE following estimates from the Tinnevely Range are forwarded by the Officiating District Engineer, Tinnevely, with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
			RS.
Ottapedarum ...	Ilevelangal ...	V. Pagadiarkulam tank ...	230
Do. ...	Theekookonarkottai ...	V. tank ...	660
Do. ...	Muramban ...	V. Periakulam tank ...	550
		Total ...	1,440

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 five Years.	Highest Revenue for five Years.	During the previous four Years.	OUTLAY.			
						PROPOSED. ORDINARY AGRICULTURAL, IRRIGATION.			
						Original Works.	Repairs.	Average Annual Proportion of Charges to Revenue.	
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PERCENT.	
Ilevelangal Pagadiarkulam tank.	8	20	18	18	...	113	117	255.5	
Theckookonarkottai tank ...	21	121	131	182	...	525	135	100.7	
Muramban Periakulam tank ...	19	68	68	68	...	...	550	161.7	
Total ...	48	209	217	268	...	638	802	132.6	

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 Second.	Tanks above.
		per Catchment Second.	per Channels Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
Hevelangal Pagadiarkulam tank.	SQ. MS.	C. FT.	C. FT.	FT.	FT.	FT.	FT.	C. FT.	NO.
	2.6	525	..	E 300	300	2.67	1.17	1,527.3	2
Theckookonarkottai tank ..	2.5	500	..	E 300	300	3.75	2.25	1,527.3	1
				Cuts in bund.		3.03	1.03	0.0	
Muramban Periakulam tank ..	7.0	1,075	..	W 60	60	4.5	2.5	570.1	None
				Rock at end of bund.		2.24	0.24	0.0	
				Rock at end of bund.		4.5	2.5	0.0	

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 overfall. E.—Escape at ground level. B.—Bund of tank. V.—Village.

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

Hevelangal Pagadiarkulam Tank.—The bund of this tank is low and weak during the floods, the surplus spills over the high gravelly ground about 300 feet in length, and a weir is therefore not required, but the tank is in need of an irrigation sluice.

The estimate provides for—

- (1.) Raising and repairing the bund and removing a part of its return where it abuts on high ground at the north and south ends of the tank.
- (2.) Constructing an irrigation sluice.

The undersigned cannot recommend the retention of this petty tank at all. It has an ayacut of 8 acres, and does not succeed in irrigating the whole of that, and the assessment is $2\frac{1}{2}$ Rupees an acre. Moreover the land is commanded by another tank

belonging to the same village. The money already spent from Famine Relief Funds is not a sufficient reason for spending a further sum on a tank which has no business to be in existence as a Government work irrigation.

Theckookonarkottai Tank.—The bund of this tank is low and weak, and the irrigation sluice is in need of repairs; the tank is unprovided with masonry surplus work.

The estimate provides for—

- (1.) Raising and repairing the bund.
- (2.) Repairing the irrigation sluice.
- (3.) Constructing a masonry weir.

This work has already been taken up for famine relief, and its sanction is recommended. The expenditure during the previous four years should have been stated.

Muramban Periakulam Tank.—This tank is supplied by a branch from the Sun-gampatty oday or channel. The bund of this tank is low and weak, and its supply channel is in need of repairs, and no weir is required to the tank, as the surplus escapes on rock at end of the bund.

The estimate provides for raising and repairing the banks of the tank and supply channel.

Its sanction is recommended.

The expenditure during the previous four years should have been stated.

The District Engineer should be careful to see that really useful irrigation works are selected for repair and improvement, and that money is not wasted on petty and probably often useless tanks, because there is a desire to find employment for famine labor. It is understood that there are some hundreds of very good tanks in the district, which have not been in anything like good order since the time when anything at all about them was known and recorded, and these should receive attention. Again the grouping of irrigation works is not intended to be a means of filling up the spare time of the department, but to place in the hands of departmental officers a material part of the information required to allow of irrigation works being properly dealt with and to prevent waste of money on works which are of no value. The District Engineer should take care that groups are intelligently dealt with.

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

HEAD OF SERVICE—IRRIGATION.

Fund—Ordinary Agricultural.

Name of System or Group.	Distinguishing Number or Letter of Group.	Name of Tank.	Description of Work.	Class.	Amount of each item.	Amount to be separately accounted for.
Vanankulam tank group.	...	Theckookonarkottai tank ...	Repairing bund	Repairs..	504	525
			Do. sluice	Do. ..	21	
			Weir..	Original Works.	135	
Vanankulam group.	...	Muramban Periakulam tank ...	Repairing the banks of the tank and supply channel.	Repairs..	550	550

FORT ST. GEORGE,
24th September 1877.

(Signed) G. T. WALCH,
Ag. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 29. ORDER THEREON, 4th October 1877, No. 375 I.

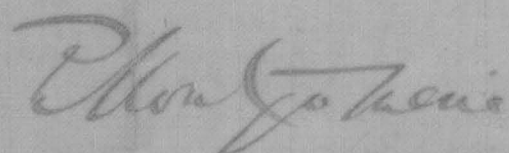
THE estimates for Irrigation works in Tinnevely Range, Tinnevely District,
No. 193 I, dated 24th September 1877, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted are sanctioned :—

HEAD OF SERVICE—IRRIGATION.

Name of System or Group.	Name of Tank.	Description of Work.	Class.	Amount.	Irrigation Register No.
Vellalunkottai tank group.	Theekooko-narkottai tank.	Repairing bund ...	Repairs ...	Rs. 504	{ 1 } 228 I
		Do. sluice ...		21	
		Weir ...		135	
		Original Works.		660	
Vanankulam group.	Muramban Periakulam tank.	Repairing tank and supply channel ...	Repairs ...	550	229 I.

2. These sanctions are registered as shown above.

(True Extract.)



Major, R.E.,
Acting Under Secy. to Govt., P.W.D.,
Irrigation Branch.

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

Ed. A. Grubert.

16 Spare Copies

Revenue Department
No 4399
IRRIGATION
ACCOUNT.

Govt. of 1877 Madras.
PUBLIC WORKS.

To
THE DISTRICT ENGINEER,
TINNEVELLY,
Sd/- Sd/- Sd/-

Dated October 4th.

Issued

Recd. 15 October Encl.

G. O., 4th October 1877, No. 373 L

L. M. M.
OCTOBER.
Nos. 28-29.

971 Rs of Revenue 18-10-77

Tanks, Tinnevely District.—Sanctions
estimates for the repairs to certain —

No 6128
Comm^d to the
Board of Revenue
16 Oct 77 *Yll*