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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU
Revenue DEPARTMENT

G.O. No.	781	Press.
B.P. No.		Mis.
Dated	12.2.1877	197 .

Not to be folded or roughly handled

Read the following:—

No. 65 W.

No. 211. Note by the Chief Engineer for Irrigation.

The following Estimates from the No. 1 or Northern Range are forwarded by the
No. 154, dated 3rd January 1877. Officiating District Engineer, Tinnevely,
with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
Satoor ..	Dloopoorney ..	Periakulam Tank ..	Rs. 899
Do. ..	Do. ..	Nedunkulam Tank ..	735
Do. ..	Kurinjankulam ..	V. Tank ..	200
Do. ..	Thottankulam ..	Sevelkulam and Cariselkulam Tanks ..	840
Total ..			2,465

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.	OUTLAY.			
					During the previous 4 years.	Proposed Ordinary Agricultural Irrigation.	Repairs.	Average annual portion of charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	Per cent.
Periakulam Tank ..	63	497	430	539	375	195	695	58.7
Nedunkulam Tank ..	29	224	232	236	NIL.	119	616	63.3
Kurinjankulam Tank ..	23	186	187	Not stated.	NIL.	126	74	21.3
Sevelkulam and Cariselkulam Tanks	68	589	357	433		180	460	35.8
Total ..						620	1,845	47.0

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.
		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.
Periakulam Tank ..	2.5	594	..	NIL.	NIL.	2.5	2.5	570.1	4
Nedunkulam Tank ..	1.5	405	..	W 60	60	4.5	2.5	408.6	NIL.
Kurinjankulam Tank ..	0.25	102	..	NIL.	43	4.5	2.25	98.7	1
Sevelkulam Tank ..	0.3	177	..	E 13	13	3.5	2.25	172.8	NIL.
Cariselkulam Tank ..	1.0	300	..	W 16	16	3.5	2.25	304.0	
				NIL.	28	3.75	2.74		
				W 28	28	4.5	2.5		
				NIL.	32				

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. V.—Village.

3. The following is a statement of work proposed to be carried out in each case

Periakulam Tank.—This tank commands the South India Railway line, Southern Extension; it is in need of repair and requires a surplus weir. The tank has but one irrigation sluice, which is in good order.

The estimate provides for raising and repairing the bund and constructing a masonry weir.

Nedunkulam Tank.—This tank is situated near the South Indian Railway, and the surplus traverses the line. The bund of the tank is low and weak, there are two small breaches at the east end; it is therefore proposed to raise and repair the bund. The tank has no surplus work, and but one irrigation sluice which is in good order.

The estimate provides for raising and repairing the bund and constructing a masonry weir at the west end.

Kurinjankulam Tank.—This tank is situated in the Illopoorney basin, and the drainage crosses the South Indian Railway line. The bund is in fair order, except at the two extremities, which are very low and require to be raised. The lands under the tank are at present irrigated by means of a pot sluice, in lieu of which it is proposed to construct a masonry sluice. The surplus of this tank is at present discharged through an opening in the bund, which it is proposed to close and to construct a masonry weir in its stead.

The estimate provides for raising and repairing the bund, constructing a masonry weir and irrigation sluice.

Sevelkulam and Cariselkulam Tanks.—These two tanks irrigate the same land, and are situated in the Illopoorney basin, the drainage from which crosses the South Indian Railway. The bund of the former is in fair order, and only needs raising at the two extremities. The tank has no surplus work, and has but one irrigation sluice, which needs trifling repairs. The estimate provides for raising and repairing the bund, repairing the irrigation sluices, and constructing a masonry weir.

The bund of the latter is in bad order, and requires to be raised and strengthened throughout; the tank has two irrigation sluices, which are in good working condition, but has no outlet for surplus.

The estimate provides for constructing masonry weir.

The following statement of the outlay recommended for sanction, t account involved :—

Name of Tank.	Items of Estimate.	FUND, ORDINARY AGRICULTURAL IRRIGATION.		Total for each Tank, &c.
		Original Works.	Repairs.	
Peraikulam Tank	Raising and repairing the bund ...	Rs. 195	Rs. 695	890
	Constructing a masonry weir ...	...	...	
Nedunkulam Tank	Raising and repairing the bund ...	119	616	735
	Constructing a masonry weir ...	...	...	
Kurinjankulam Tank	Raising and repairing the bund ...	84	74	200
	Constructing an irrigation sluice ...	42	...	
Sevelkulam Tank	Constructing a masonry weir ...	...	158	226
	Raising and repairing the bund and repairing the irrigation sluice ...	68	...	
Cariselkulam Tank	Constructing a masonry weir ...	...	302	414
	Raising and repairing the bund ...	112	...	

(Signed) A. de C. SCOTT, Major, R.E.,
Deputy Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

Fort St. George,
23rd January 1877.

No. 212.

ORDER THEREON, 7th February 1877, No. 423.

IRRIGATION, No. 24.

Account.

No. 65 W, dated 23rd January 1877.

The following estimates for Irrigation Works in the No. 1 or Northern Range, Tinnevely District, forwarded by the Chief Engineer for Irrigation, with his memorandum marginally noted, are sanctioned :—

Name of Work.	Item of Estimate.	Fund, Ordinary Agri- cultural, Irrigation.	Amount.	Irrigation Registry No.
			Rs.	
Periakulam Tank	Repairing bund	Repairs	695	1 } 305—I
	Weir	Original Works	195	2 } 305—I
Nedunkulam Tank	Repairing bund	Repairs	616	1 } 306—I
	Weir	Original Works	119	2 } 306—I
Kurinjankulam Tank	Repairing bund	Repairs	74	1 } 307—I
	Irrigation sluice	Original Works	84	2 } 307—I
	Weir	Do.	42	3 } 307—I
Sevelkulam Tank.	Repairing bund and sluice	Repairs	158	1 } 308—I
	Weir	Original Works	68	2 } 308—I
Cariselkulam Tank.	Repairing bund	Repairs	302	1 } 309—I
	Weir	Original Works	112	2 } 309—I

2. These sanctions are sanctioned as above.

(True fact.)

John Lewis Lieut.-Colonel, R.E.,
Government.

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

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Dated February 7th.

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Per: 10/7/77

Encl.

G. O., 7th February 1877, No. 423.

FEBRUARY.

Nos. 211-212.

77 10/7/77

Tinnevely District.—The estimates amounting to Rupees 2,461 for repairs, &c. to certain —, sanctioned.