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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	787	Press.
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Dated	12.2.1877	197 .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
7th February 1877. No. 423.

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
Officiating District Engineer, Tinnevely,
No. 154, dated 3rd January 1877. with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
Satoor	Elloppoorney	Periakulam Tank	Rs. 890
Do.	Do.	Nedunkulam Tank	735
Do.	Kurinjankulam	V. Tank	200
Do.	Thettankulam	Sevolkulum and Cariselkulum Tanks	640
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.	Original Works.	Repairs.
Periakulam Tank	63	497	430	539	375	195	695	58.7
Nedunkulam Tank	29	224	222	236	Nil	119	616	63.3
Kurinjankulam Tank	23	186	187	Not stated.	Nil	126	74	21.3
Sevolkulum and Cariselkulum Tanks	68	689	857	433		180	460	35.8
Total						620	1,845	47.0

II.—Hydro. 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.	Channel per Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
Periakulam Tank	sq. m.	594	..	W 60	60	2.5	2.5	570.1	4
Nedunkulam Tank	1.5	405	..	W 43	43	2.5	2.5	408.6	1
Kurinjankulam Tank	0.25	102	..	E 13	13	2.25	2.25	98.7	1
Sevolkulum Tank	0.5	177	..	W 16	16	2.25	2.25	172.8	1
Cariselkulum Tank	1.0	300	..	W 28	28	2.5	2.5	304.0	1

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 slopes. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank. V.—Village.

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

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Periakulam Tank.—This tank commands the South India Railway line, South 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.

Kurinjangulam 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 sluice, 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

The following is recommended for sanction, to

constructing masonry weir.
The outlay recommended for the 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	...	...	
Kurinjangulam 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	...	

FORT ST. GEORGE,
23rd January 1877.

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

Proceedings of the Madras Government, Public Works Department,
7th February 1877. No. 423.

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 Agricultural, Irrigation.	Amount.	Irrigation Registry No.
Periakulam Tank	Repairing bund	Repairs	RS. 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
Kurinjangulam Tank	Repairing bund	Repairs	74	1 } 307—I
	Irrigation sluice	Original Works	84	2 } 307—I
Sevelkulam Tank	Weir	Do.	42	3 } 307—I
	Repairing bund and sluice	Repairs	158	1 } 308—I
Cariselkulam Tank	Weir	Original Works	68	2 } 308—I
	Repairing bund	Repairs	302	1 } 309—I
	Weir	Original Works	112	2 } 309—I

These sanctions are sanctioned.

(True)

on above

(act.)

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

Exd. S. T. Austin.
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Lieut.-Colonel, R.E.,
Government.

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TANNEVELLY,
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Dated February 7th.

Issued

Recd. 10th Febry

Encl.

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

FEBRUARY.

Nos. 211-212.

7 to 10 March 77

Tanis, Tannevelly District.—The estimates
amounting to Rupees 2,461 for repairs, &c.
to Martup, sanctioned.