

(1) Number of pages 2

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. B.P. No:	<i>268</i>	Press. Mis.
Dated	<i>13.1.1877</i>	197

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Archives 1-5,806-24-2-78,

Proceedings of the Madras Government, Public Works Department,
22nd Decem. 1876. No. 3,516.

Read the wing:—
No. 533. Note by the Chief Engineer for Irrigation.
The following estimates from the or Chingleput Range are forwarded by
No. 1,303, dated 20th July 1876. the Superintending Engineer, Chingleput,
with his letter marginally noted:—

Taluk.	Village.	Work.	Amount.
Chingleput	Sittamanur	No. 84 V. Tank	Rs.
Do.	Kilakaranay	" 83 do.	320
Do.	Panankottur	" 81 V. small Tank	670
Do.	Do.	" 81 " large do.	115
			535

2. The financial and hydraulic details of the irrigation works concerned are exhibited in the following statement:—

I.—Financial Details.

Name of Work.	Ayanat Area.	Assessment.	Average Revenue for five years.	Highest Revenue for five years.	During the previous four years.	OUTLAY.		
						PROPOSED ORDINARY AGRICULTURAL.		
						Original Works.	Repairs.	Average annual proportion of Charges to Revenue.
Sittamanur Tank	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CT.
Kilakaranay do.	82	247	207	235	NIL.	45	275	30.9
Panankottur small Tank	113	310	332	350	"	"	670	40.3
Do. large do.	10	45	73	92	"	145	115	29.5
Total	47	255	293	332	"	190	1,450	36.6
	252	857	910	1,015	NIL.			

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.		
Sittamanur Tank	75	404	..	K 30	24.5	3.0	1.5	C. FT. 543.1	NO. NIL.
Kilakaranay do.	375	292	..	W 30	120	3.0	1.5	643.3	"
Panankottur small Tank	25	223	..	E 1.5	78.5	3.5	2.0	417.4	"
Do. large do.	75	404	..	W 20	66	2.5	1.5	182.6	"
				E 1.3	113	3.5	2.0	575.2	"

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.—Catchment with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank. V.—Village. R.—Revenue Survey No.

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

Sittamanur Tank.—Repairing the bund and irrigation sluice, planting kuskus and turfing, raising the body wall of the existing calingulah up to F.T.L., and removing the dam stones so as to convert it into a weir, and also lowering the end of the bund to F.T.L. for the purpose of forming a grass planted escape.

Kilakaranay Tank.—Raising and repairing the bund, planting kuskus and turfing, repairing two irrigation sluices, raising the body wall and removing the dam stones of the calingulah so as to convert it into a weir forming a grass planted escape, and also substituting a masonry irrigation sluice for the existing pot sluice.

Panankottur small Tank.—Repairing the bund and irrigation sluice, planting grass and turfing and also forming a grass planted escape.

Panankottur large Tank.—Repairing the bund and two irrigation sluices, planting grass and turfing, and also constructing a rough stone escape.

The Sittamanur tank, with a catchment basin 0.75 of a mile in area, irrigates, according to the Superintending Engineer's report, 82 acres of land. The Kilakaranay tank, with 0.375 square miles of catchment, 113 acres. The Panankottur tank, with 0.75 square miles, 47 acres.

These irrigated areas are extremely large compared with the drainage into the tanks, and some explanation was desirable.

The irrigation sluice for the Kilakaranay tank supplies 40 acres of land, and a discharge of 1 cubic foot per second should suffice. The lower aperture might be reduced in height with advantage.

The wings of the rough stone escape of the Panankottur tank should be portions of arcs of circles whose centres are in the outer edge of the apron retaining wall. The recurving shown on the plan is objectionable.

The estimates are recommended for sanction.

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.	Items of Estimate.	FUND ORDINARY AGRICULTURAL.		Total for each Tank, &c.
		Original Works.	Repairs.	
Sittamanur Tank ..	Repairing bund and irrigation sluices ..	RS. 265	RS.	320
	Improving calingulah ..	45	..	
	Grass planted escape ..	..	20	
Kilakaranay do. ..	Repairing bund and two irrigation sluices, improving calingulah and forming grass planted escape ..	..	450	670
	Reconstructing an irrigation sluice ..	..	220	
	Repairing bund and irrigation sluice ..	..	103	
Panankottur small do. ..	Grass planted escape ..	..	12	115
	Repairing bund and two irrigation sluices ..	..	290	
	Rough stone escape ..	145	..	

(Signed) A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.
To the Secretary to Government, Public Works Department.

FORT ST. GEORGE,
19th December 1876.

No. 534. ORDER THEREON, 22nd

IRRIGATION, No. 41-G.

Account.

No. 306 W, dated 19th December 1876.

Name of Work.	Item of Estimate.
Sittamanur Tank ..	1. Repairing bund and irrigation sluices .. 2. Improving calingulah .. 3. Grass planted escape ..
Kilakaranay do. ..	1. Repairing bund and two irrigation sluices, improving calingulah and forming grass planted escape .. 2. Reconstructing an irrigation sluice ..
Panankottur small do. ..	1. Repairing bund and irrigation sluice .. 2. Grass planted escape ..
Do. large do. ..	1. Repairing bund and two irrigation sluices .. 2. Rough stone escape ..

2. These sanctions are registered as
(True)

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

Exd. S. T. Austin.
Spare Copies

1876, No. 3,516.

The following estimates for Irrigation works in the No. 3 or Chingleput Chingleput District, forwarded Chief Engineer for Irrigation with memorandum marginally noted, are noted:—

Fund.	Amount.	Irrigation Registry No.
Repairs ..	RS. 265	1. } 220-I.
Original Works ..	45	2. }
Repairs ..	20	3. }
Do. ..	450	1. } 221-I.
Do. ..	220	2. }
Do. ..	103	1. } 222-I.
Do. ..	12	2. }
Do. ..	290	1. } 223-I.
Original Works ..	145	2. }

DOVE.

Major-General, R.E.,
Secretary to Government.

Rev: 1877 Dec

No 374

Govt. of 1876 Mad

PUBLIC WORKS.

To

The DISTRICT ENGINEER,
CHINGLEPUT
&c. &c.

Dated December 22nd.

Issued

Recd. *Jan 12*

Encl

G. O., 22nd December 1876, No. 3516.

DECEMBER

Nos. 533-534

8 Sal. Boarding Rec. on 17 Jan 77

Tanks, Chingleput Range, Chingleput District.—The estimates amounting to Rupees 1,640 for repairs and improvements to the — sanctioned.

L: 268
Comm. to the *13/1*