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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	4000. REV	Press.
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

7th July 1877, No. 143 I.

Irrigation.
Account.

Read the following paper:—

No. 69 I.

No. 33. *Note by the Chief Engineer for Irrigation.*

THE Superintending Engineer, Chingleput, forwards, with his letter marginally noted, an estimate in connection with the Parandoor Large Tank, situated in the Conjeveram Taluq, No. 3 or Chingleput Range.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow:—

PALAR ANICUT SYSTEM.

(2).—MAIN CANALS AND BRANCHES, KANBAKAL CHANNEL.

N. TANKS AND RESERVOIRS, PARANDOOOR LARGE TANK.

Capital.

Extending the smaller weir	...	...	...	...	...	Rs.
Remodelling the heads of Nos. 3 and 4 Irrigation Sluices	...	...	...	...	...	2,365
	...	...	...	...	...	1,775

Revenue—I. B.—Maintenance and Repairs.

Repairing the bund	...	...	...	...	...	407
Do. the larger weir	...	...	...	...	...	139
	...	...	...	...	...	...
Total	...	...	...	...	...	4,686

3. The following particulars of this tank are recorded:—

Ayacut area	...	...	...	...	...	Acres	725
Assessment	...	...	...	...	...	Rupees	3,282
Average revenue	...	...	...	...	...	"	2,818
Highest do.	...	...	...	...	...	"	3,451
Expenditure during the previous four years	...	...	...	...	...	"	268

This tank is a terminal one of a sub-group of the Kram Tank main group.

The area of the catchment basin is 14 square miles, the maximum flood-supply is calculated at 3,268 cubic feet per second, for discharging which, as surplus, there are two weirs, one of 108½ feet length, the other of 36½ feet with two vents 6 feet wide in its body wall.

The estimates provide for—

- (1).—Extending the smaller or north weir by 200 feet.
- (2).—Repairing the south weir.
- (3).—Repairing the bund.
- (4).—Altering the heads of two of the irrigation sluices so as to allow of more easy and effective regulation than is now possible.

For want of efficient escapes the tank was breached in 1872. It receives, besides the drainage water from its catchment basin, a supply brought from the Palar river by the Kambakal. The length of weir crest (345 feet) which it is now proposed to provide is not too much, and the estimate for the extension of the existing smaller work is recommended for sanction. The rough-stone apron shown on the plan below the apron curtain wall is necessary along its whole length, though the estimate does not seem to provide for it.

The other estimates are also recommended for sanction.

The following statement by the Superintending Engineer gives the financial details connected with the twelve tanks, which are taken as forming the sub-group, of which the Parandoor Tank is the terminal one.

Abstract showing the whole Outlay proposed and the Revenue of the Parandoor Group.

Name of Work.	Ayacut Area.	Assessment.	Average Revenue for five years.	Highest Revenue for five years.	OUTLAY.				Remarks.
					During the previous four years.	Proposed.	Original Works.	Repairs.	
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Govindavady Chittary ..	134	696	378	97	..	290	1,255	1,545	Sanctioned in G.O., No. 2435, of 18th September 1876, and G.O., No. 143, of 18th January 1877.
Do. large tank.	574	2,555	2,346	2,543	..	320	2,880	3,200	
Pudupakkum do. small tank.	..	..	..	..	..	..	..	..	Shrotrium village.
Perikaramboor	223	592	571	771	..	435	350	795	
Veyalur ..	696	2,292	1,827	2,467	..	145	1,025	1,170	Sanctioned by the Superintending Engineer.
Oonary ..	113	452	404	514	..	135	340	475	
Puttari ..	89	291	437	512	..	1,290	275	1,565	Estimate will be sent shortly. Sent to the Chief Engineer in No. 754, of 6th June 1877.
Kottanakum ..	340	951	935	950	..	202	965	1,167	
Boodary ..	139	555	393	474	..	..	335	335	Sanctioned by the Superintending Engineer.
Kattooputtoo ..	137	495	368	442	..	..	325	325	
Parandoor ..	725	3,282	2,818	3,451	268	4,140	546	4,686	
Total ..	3,167	12,072	10,977	15,134	268	6,957	8,306	15,263	

The following particulars in the above statement require notice :—

- (1).—Nothing is stated as to any proposed repairs of the two shrotrium tanks, though in the "report" they are said to be "more or less in need of repairs." Steps should be taken without delay to prevent their being sources of danger to the tanks below them.
- (2).—It is stated that estimates for Rupees 1,565 "will be sent shortly" for the Puttari Tank, whilst in the "report" it is said of this tank "if restored it will cost a sum of money quite disproportionate to the revenue derived from it, being a small tank, its revenue is not more than Rs. 495 a year," and from the sketch map it appears that its bed and the land now irrigated by it might well be supplied from the Govindavady Large Tank. The matter should receive the consideration of the Superintending Engineer.
- (3).—The Kottanakum Tank does not appear, from the sketch map, to really belong to this sub-group, its ordinary surplus not passing into any of the tanks which form it; but as, were it to breach, it seems likely that some of its waters would find their way into the Parandoor Tank, it is right that it should receive attention in connection with that tank.

(Signed) G. T. WALCH,
As. Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

FORT ST. GEORGE,
23rd June 1877.

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

No. 34.

ORDER THEREON, 7th July 1877, No. 143 I.

THE following estimate from the No. 3 of Chingleput Range forwarded by the Superintending Engineer, Chingleput, is sanctioned :—

PARANDOOR LARGE TANK.
Head of Service—Irrigation.

System.	Fund.	Class.	Main Head.	Sub Head.	Particulars of Work.	Amount.
Palar Ancient System Kuam Group.	Capital ...	I. Works ...	(2.) Main Canals and Branches, Kambakal Channel.	N. Tanks and Reservoirs.	1. Extending weir heads	RS. 2,365
					2. Remodelling of sluices	1,775
						4,140
	Revenue.	I.B. Maintenance and Repairs ...			3. Repairing bund	407
					4. Repairing weir	139
						546
					Total ...	4,686

2. This sanction has been registered as No. 89 I of 1877-78.

(True Extract.)

Colonel, R.E.,
Joint Secy, to Govt., P.W.D.,
Irrigation Branch.

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

Exd. T. D. Ryan.
Spare Copies

Revenue Department
No 3292

IRRIGATION.
ACCOUNT. ✓

Govt. of 1877 Madras.
PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
CHINGLEPUT.
&c. &c. &c.

Dated July 7th.

Issued

Recd.

16 July

Encl.

G. O., 7th July 1877, No. 143 L.

JULY.

Nos. 33, 34.

No 4290
Comm. to the Board
of Revenue.

17 July 1877

Parangur Large Tank, Chingleput District.—The estimate of Rs. 4,686 for certain works to the —, sanctioned.

12-20 No 1 Revenue 1877