Archives I 10,006—16-8 77.

(1) Number of pages 4

(2) Date of repair 9-6-86

(3) Initials of the Referencer Lours.

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / ~~B.P. No.~~	1366	Press. / ~~Mis.~~
Dated	3-6-1878	197 .

Not to be folded or roughly handled

BR

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

10th May 1878, No. 336 I.

Irrigation.
Accounts.

Read the following papers:—

No. 35. From Colonel P. O'CONNELL, R.E., Superintending Engineer, Chingleput, to the Chief Engineer for Irrigation, dated Ennore, 7th March 1878, No. 995.

I HAVE the honor to forward the under-mentioned tank estimates and plans for your approval and eventual submission to Government for sanction in connection with the Palar Anicut System in Conjeveram taluq—

Five Estimates.
Two Plans in four sheets.

		Rs.
1.	Closing breach and filling erosions in the bund of Govindavady large tank	645
2.	Constructing a masonry wing wall to dry stone escape do. do.	275
3.	Closing breach, &c., in the bund of do. Chittary	580
4.	Constructing a masonry wing wall to dry stone escape do. do.	155
5.	Repairing flood bank in the supply channel of the Govindavady tank at Tirumalpore	100
	Total ...	1,755

No. 124 I.

No. 35-A. *Note by the Chief Engineer for Irrigation.*

THE following estimates from the No. 3 or Chingleput Range were forwarded by the Superintending Engineer, Chingleput, with his letter marginally noted :—

No. 995, dated 7th March 1878.

Palar Anicut System.

	Taluq.	Village.	Work.	Amount.
				Rs.
	Conjeveram ...	Govindavady ..	V. Large tank ...	920
	Do. ...	Do. ...	V. Chittary tank ...	735
	Do. ...	Do. ...	Supply channel ...	100
			Total...	1,755

2. The financial and hydraulic details of the Irrigation works concerned are exhibited in the Note by the Chief Engineer for Irrigation, printed with G.O., No. 2,435, of 13th September 1876, when Rupees 3,200 and Rupees 1,545 were sanctioned for their repair, and these amounts were increased by Rupees 756 in G.O., No. 96 I, of 22nd June 1877, when a revised estimate for one of the sluices amounting to Rupees 833 was sanctioned.

3. Since these repairs have been carried out the bunds of the Govindavady large and Chittary tanks have been breached by the turning of the wings of the rough-stone escapes, and both escapes have been considerably damaged.

3. The supply channel of these tanks has also breached at a point immediately above the Tirumalpore dam.

The estimate provides for—

Large Tank.

1*st*.—Closing breach and filling up erosions.

2*nd*.—Constructing a masonry wing wall to replace the dry-stone wing wall washed away, and for repacking a portion of the dry stone apron.

Small Tank.

1*st*.—Closing breach and filling up erosions in the bund.

2*nd*.—Constructing a masonry wing wall in lieu of the rough-stone one washed away, and for repacking a part of the revetment.

Channel.—Closing breach in the left bank of the channel above the Tirumalpore dam.

It is considered that if proper care had been taken to place an adequate backing to the revetments forming the wings of the dry-stone escapes, no breaches would have occurred. The escapes were increased from for the—

Large tank 96 to 369 feet.
Small ,, 69 to 338 ,,

and the strain must have been very slight, but of course if running water be allowed to get behind wing revetments and to attack light soil, such results as those here experienced must be expected.

The Superintending Engineer should report by whom the escapes sanctioned in G.O., No. 2,135, 13th September 1876, were carried out and exactly how they were carried out. The back of the revetments at the other end of these escapes should be examined and risk of similar accident there prevented.

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.—Revenue.

Name of System or Group.	Distinguishing Number or Letter of Group.	Name of Tank or Channel.	Description of Work.	Main and Sub-heads.	Class.	Amount of each Item.	Amount to be separately accounted for.
						Rs.	Rs.
Palar Anicut System.	..	Govindavady large tank.	Closing breach and repairing bund.	(2) Main Canals and Branches No. Tanks and Reservoirs.	I. B. Maintenance and Repairs.	645	920
			Constructing a masonry wing wall to dry-stone escape and repacking a part of its apron.		Do.	275	
	..	Govindavady Chittary.	Closing breach and repairing bund.		Do.	580	735
			Constructing a masonry wing wall to dry stone escape and repacking a part of its apron.		Do.	155	
	..	Govindavady tank supply channel.	Closing breach in the left bank of the channel.		Do.	100	100

OOTACAMUND,
6th May 1878.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

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

No. 36. ORDER THEREON, 10th May 1878, No. 386 I.

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

No. 124 I, dated 6th May 1878.

Head of Service.—Irrigation.

Name of System or Group.	Main and Sub-heads.	Name of Tank.	Provision of Estimate.	Class.	Amount.		Irrigation Register No.
					Rs.		
Palar Anicut System.	(2) Main Canals and Branches No.—Tanks and Reservoirs.	Govindavady large tank.	Closing breach and repairing bund.	IB.—Maintenance and Repairs.	645		49 I
			Constructing a masonry wing wall to dry-stone escape and repacking a part of its apron.	Do. ..	275		
					920	1	
		Govindavady Chittary.	Closing breach and repairing bund.	Do. ..	580		
			Constructing a masonry wing wall to dry-stone escape and repacking a part of its apron.	Do. ..	155		
					735	2	
		Govindavady tank supply channel.	Closing breach in the left bank of the channel.	Do. ..	100	3	
					1,755		

2. This sanction is registered as shown above.

3. The Superintending Engineer will report on the cause of the accident and the name of the officer responsible for the construction of the escapes.

(True Extract.)

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

(True Copy.)

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

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

3115

Exd. E. C. Shunker.

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