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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	<u>1938</u>	Press.
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1937

*Proceedings of the Madras Government, Public Works Department,
17th March 1877. No. 904.*

Read the following:—

No. 140 W.

No. 413. *Note by the Chief Engineer for Irrigation.*

The following estimates from the Dindigul Range are forwarded by the District Engineer, Madura, with his letter marginally noted:—

No. 3,633, dated 13th December 1876.

Tanks affecting the line of Railway.

Taluq.	Village.	Work.	Amount.
Tirumungalum Do. ..	Kukulancheri Do. ..	Kilakulam Tank	Rs. 1,120
		Melakulam "	760
		Total ..	1,880

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.	Average annual proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	Per cent.
Kilakulam Tank	70	418	357	380	Nil.	450	570	62.7
Melakulam "	96	592	507	604	..	240	520	29.9
Total ..	166	1,010	864	984	..	690	1,090	43.5

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE OR AREA OF SURPLUS SLUICE VENTS.		AVERAGE HEIGHT OF BUND.		Surplus discharged at M.T.L. per Sec.	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.
Kilakulam tank	1.5	737	..	Nil.	Nil	2.57	0.07	0.0	Nil.
				W-42	42	4.5	2.0	743.9	
				S-18	18		Nil.	Nil	0.0
Melakulam tank	0.5	350	..	Nil.	Nil	2.97	0.47	0.0	..
				W-37	37	3.9	1.4	491.3	

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 flash crest. E.—Escape at ground level. B.—Bund of tank. S.—Surplus sluice vent area.

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

Proceedings of the Madras Government, Public Works Department,
17th March 1877. No. 904.

Kilakulam Tank.—This tank is situated in the Rettiapatti basin and does not appear to have been repaired for many years, the bund is consequently low and weak. The tank has one masonry irrigation sluice and four pot sluices, the former is in good order, but the latter are the causes of a great deal of water being wasted. It is therefore proposed that the pot or earthenware sluices should be removed, and that two masonry sluices be built in their stead; it is also proposed to construct a masonry weir in the tank as it has no outlet.

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

Melakulam Tank.—This tank is also situated in the Rettiapatti basin and has not been repaired for many years. The bund is low and weak, and the only masonry sluice the tank has is out of order. The lands under the tank have consequently to be irrigated by eight pot sluices which cause a great wastage of water as well as injury to the bank by leakage. It is therefore proposed to repair the existing masonry irrigation sluice, and to construct another in lieu of the earthenware pipes now in use. The surplus of this tank is discharged through a cut in the bund, a masonry weir is therefore needed and it is proposed to construct one.

The estimate provides for raising and repairing the bund, reconstructing an irrigation sluice and constructing another as well as a masonry weir.

The Kilakulam tank surpluses into the Chinna Peraly tank, and the circumstances and condition of the latter should have been noticed in the District Engineer's, Madura, report, especially with reference to surplusage works.

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 IRRIGATION.		Total for each Tank, &c.
		Original Works.	Repairs.	
Kilakulam Tank	Raising and repairing the bund	Rs. 670	Rs.	1,130
	Constructing two masonry irrigation sluices	310	140	
Melakulam Tank	Constructing a masonry weir	140	360	760
	Raising and repairing the bund	160	160	
	Reconstructing the irrigation sluice	160	80	
	Constructing an irrigation sluice	80		

FORT ST. GEORGE,
17th March 1877.

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

No. 414.

ORDER THEREON, 17th March 1877, No. 904.

IRRIGATION, No. 34.
Account.

No. 140—W, dated 12th March 1877.

The following estimates for Irrigation Works in the Dindigul Range, Madura District, forwarded by the Chief Engineer for Irrigation, with his memorandum marginally noted, are sanctioned.

Proceedings of the Madras Government, Public Works Department,
17th March 1877. No. 904.

Name of Work.	Item of Estimate.	Fund, Ordinary Agricultural Irrigation.	Amount.	Irrigation Registry No.
Kilakulam Tank	Repairing bund	Repairs	Rs. 670	1
	Two sluices	Original Works	310	2
	Weir	Do.	140	3
			360	4
Melakulam Tank	Repairing bund	Repairs	140	1
	Reconstructing sluice	Do.	160	2
	Sluice	Original Works	160	3
	Weir	Do.	80	4

2. These sanctions are registered as shown above.

(True Extract)

W. S. S. S.

Lieut.-Col., R.E.,
Secretary to Government, P.W.D.

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

Exd. S. T. Austin.

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Govt. of 1877 Madras

PUBLIC WORKS.

N^o 2001

To

THE DISTRICT ENGINEER,

MADURA.

&c., &c., &c.

Dated March 17th.

Issued

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3 april

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G. O., 17th March 1877, No. 904.

Dis. Madras

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Nos. 413-414.

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Comm^d to the
Board of Revenue

5 april 1877.

Tanks, Madura District.—The estimates
for certain — sanctioned.

9. To the H. of Revenue & 9-4-77