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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No.	5220.	Press. / Mis.
Dated	7.9.1877	197 .

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5220
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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

31st August 1877, No. 269 I.

Irrigation.
Accounts.

Read the following paper :—

No. 138 I.

No. 111. *Note by the Chief Engineer for Irrigation.*

THE following estimates from the No. 3 or Chingleput Range are forwarded by the Superintending Engineer, Chingleput, No. 809, dated 6th June 1877. with his letter marginally noted :—

Nandivaram Group.

Taluq.	Village.	Work.	Amount.
			RS.
Chingleput	Nandivaram	S. No. 6 V. Thangal...	230
Do.	Perumputtunellore	S. „ 14 V. do. ...	270
		Total ...	500

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 five Years.	Highest Revenue for five Years.	OUTLAY. During the previous four Years.	OUTLAY. Proposed. Ordinary Agricultural—Irrigation. Original Works.	OUTLAY. Proposed. Ordinary Agricultural—Irrigation. Repairs.	OUTLAY. Proposed. Ordinary Agricultural—Irrigation. Average Annual Proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT.
								RS.
Nandivaram Thangal	13	51	53	61	...	130	100	86·8
Perumputtunellore Thangal ...	14	35	26	35	...	175	95	207·7
Total ...	27	86	79	96	...	305	195	126·5

II.—Hydraulic Details.

Name of Work.	Catchment Basin, Area.	Maximum Supply.		Length of Escape.		Average Height of Bund.		Surplus discharge 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.	FT.	C. FT.	NO.
Nandivaram Thangal ..	0·375	292	..	E. 20 E 95	20 95	2·0 3·75	0·5 2·25	101·8 293·1	None.
Perumputtunellore Thangal.	0·5	354	..	E 90 E 114	90 114	2·5 3·75	1·0 2·25	458·1 351·8	Do.

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 over fall. E.—Escape at ground level. B.—Bund of tank. V.—Village. S.—Revenue Survey.

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

Nandivaram Thangal.—The top of the bund in some places is narrow and below the required level, so that a cart cannot pass over it with any degree of safety; it is therefore proposed that the top width should be 12 feet wide, three-fourths of which to be charged to Local Funds.

The Irrigation sluice is out of order and beyond repair.

The existing outlet is a breach in the bund.

The estimate provides for—

1*st.*—Raising and repairing the bund, planting tank grass up to M.W.L., and turf above that level, and also for forming a grass planted escape.

2*nd.*—Reconstructing the Irrigation sluice.

The estimate, Rupees 100, for repairing the bund is not recommended for sanction, as it appears from the section that the whole of the work proposed is for the purpose of fitting it for traffic. If a cart road along the bund be absolutely necessary Local Funds should bear the cost of it.

The estimate for the sluice is recommended for sanction, but if it has to be through a bank with 12 feet top breadth and its length of barrel therefore considerable, its interior dimensions should not be less than 2′ × 2′ 6″.

The form, &c., of the plug shown on the plan are bad, and the frequent instructions as to the proper arrangements for plugs should receive attention.

Perumputtunellore Thangal is in the catchment basin of the Nandivaram tank.

The inner slope of the bund is much eroded, and the bund itself is very low in some places.

The land under the tank is irrigated by means of a pot or earthenware sluice which is in a defective condition.

The surplus is discharged through an opening in the bund.

The estimate provides for—

1.—Raising and repairing the bund, planting kuskus up to M.W.L., and turf above that level, extending the escape and planting it with grass.

2.—Constructing a masonry Irrigation sluice to replace the earthenware sluice reported to be out of order.

The expenditure of eight years revenue on this petty tank could not ordinarily be recommended for sanction; under present circumstances to afford even partially valuable employment to famine labor, the expenditure proposed may be sanctioned.

FORT ST. GEORGE,
16th August 1877.

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

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

No. 112. ORDER THEREON, 31st August 1877, No. 269 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. 138 I, dated 16th August 1877.

Irrigation.

	Name of Tank.	Provision of Estimate.	Fund, Ordinary Agricultural—Irrigation.	Amount.		Irrigation Register Number.
				RS.		
Nandivaram Group.	Nandivaram Thangal..	Forming an escape planted with grass.	Repairs ...	20	1	125 I.
		Reconstructing the Irrigation sluice.	Original Works	130	2	
	Perumputtunellore Thangal.	Raising and repairing the bund and forming an escape planted with grass.	Repairs ...	95	1	126 I.
		Constructing a masonry Irrigation sluice.	Original Works	175	2	

2. These sanctions are registered as shown above.

(True Extract.)

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

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

Exd. E. C. Shanker.
(Spare Copies

Revenue Department
No 3921

IRRIGATION
ACCOUNT.

Govt. of {1877} Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
CHINGLEPUT,
&c., &c., &c.

Dated August 31st.

Issued

Read. 6 September Encl.

G. O., 31st August 1877, No. 269 I.

AUGUST.

Nos. 111-112.

Nandiwaram Group, Chingleput District.—Sanctions estimates for repairs to certain tanks in ——.

Dr. 5220

Commd to the Board of Revenue
7th Sept.