

(1) Number of pages 2

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	35	Press.
B.P. No.		Mis.
Dated	5.1.1877 <u>7-12-1876</u>	197

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Archives I—5,806—24-2-78.

5.1

Read the

wing:—

No.

W.

No. 142.

Note by the C

Engineer for Irrigation.

The following estimates from the W

ah Range are forwarded by the District
Engineer, North Arcot, with his letter
originally noted:—

No. 1,087, dated 4th July 1976.

Swarnamooky

Channel.

Talug.	Village.
Chendragherry	
Do. ..	

Work.	Amount.
Agarala Pedda Calvah ..	Rs. 2,060
Thondavada Yagavah do. ..	1,390

2. The financial and hydraulic def
exhibited in the following statement:—

of the Irrigation works concerned are

I.—Finance

etails.

Name of Work.	Aysat Area.	Assessment.
	ACRES.	RS.
Agarala Pedda Calvah ..	35	653
Thondavada Yagavah Calvah ..	27	575
Total ..	62	1,188

Highest Revenue for 5 years.	OUTLAY.			
	During the previous 4 years.	PROPOSED.		
		Ordinary Agricultural.		
		Original Works.	Repairs.	Average annual amount proportion of charges to Revenue
3	Rs. Not stated.	Rs.	Rs.	Rs.
4	Do.	620	1,430	61-8
5	Do.	620	770	50-9
6	Do.	1,240	2,200	58-9

II.—Hydrau

etails.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH.
		Catchment per Second.	Channels per Second.	
		Total.		
	SQ. M.	C. FT.	C. FT.	FT.
Agarala Podda Calvah..	..	..	..	..
Thondavada Yagavah Calvah.	..	..	..	..

PR.	AVERAGE HEIGHT OF BUND.		Surplus discharged at M.T. L. per Second.	Tanks above.
	Above F.T.L.	Above M.T.L.		
	FT.	FT.		
	..	..	..	..
	..	..	..	..

NOTE.—The proposed dimensions of escapes and heights are printed in large type. The following abbreviations are used:—C—Catchment; E—Escape at ground level; B—Bund of tank.

are printed in large type. The existing dimensions in small type. The following abbreviations are used:—C—Catchment; E—Escape at ground level; B—Bund of tank.

*Proceedings of the Madras Government, Public Works Department,
7th December 1876. No. 3,306.*

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

Restoration of the channels of the Swarnamooky river, viz., the Agarala Pedda and Thondavada Yagavah channels; the former was destroyed by the floods of November last, and the latter by the floods of October 1874. The estimate provides for reforming the channels by removing the silt and placing it on the side nearest the river to a height of 9 feet so as to form a barrier to the flood waters of the Swarnamooky river, for the further protection of the channels the heads are proposed to be revetted with rough stone in mortar and the exposed portions protected with vaviler planting by kudi maramut.

4. The clearance of the channels is necessary, as they appear to have been completely filled up by the floods—a danger to which they are evidently constantly exposed. The work is also too heavy to be carried out by the ryots themselves. Judging from the plans forwarded, the circumstances of the numerous channels supplied by this part of the Swarnamooky are such as to make their efficient maintenance necessarily very difficult and probably costly, and it appears to be desirable to consider whether it would not be practicable greatly to diminish the number of separate heads and to supply the irrigation from a few careful selected offtakes not liable to be easily destroyed. Then with regulating head sluices any serious damage might perhaps be obviated.

5. The masonry revetments to be safe must be securely founded and protected by adequate aprons to prevent undermining. The very slight indication shown on the sections of the way in which these revetments are proposed to be built shows that it is not desirable to incur any expense in their account, and it will be much better to plant the banks and the bed of the river for a width of a few yards with nanul or other long grass, for which purpose an addition has been made to the repair estimates.

6. It is not at all apparent why the channels should be cleared to a much greater width in the upper than in the lower part, and the District Engineer should see that no unnecessary excavation is allowed. The excavation also must be mostly in sand, and the average rate ought not to exceed 1 Anna instead of 1½ Annas as allowed in the estimates.

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.	
Agarala Pedda Calvah ..	Clearing the channel and planting grass.	Rs. ..	Rs. 1,480	Rs. 1,480
Thondavada Yagavah Calvah ..	Clearing the channel ..		820	820

FORT ST. GEORGE,
30th November 1876.

(Signed) A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

*Proceedings of the Madras Government, Public Works Department,
7th December 1876. No. 3,306.*

No. 143. ORDER THEREON.

IRRIGATION, No. 16-B.

Account.

No. 275 W, dated 30th November 1876

Name of Work.	Item of Estimate.
Agarala Pedda Calvah ..	Clearing the channel
Thondavada Yagavah Calvah ..	Do. do.

2. These sanctions are registered

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[Signature]

*Proceedings of the Madras Government, Public Works Department,
7th December 1876. No. 3,306.*

December 1876, No. 3,306.

The following estimates for Irrigation works in the Wallajah Range, North Arcot District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned:—

Fund.	Amount.	Irrigation Registry No.
Repairs ..	Rs. 1,480	201-L
Do. ..	820	202-L

own above.

(tract.)

[Signature] Major-General, R.E.,
Secretary to Government.

To the District Engineer, North Arcot.

- .. Collector of .. do.
- .. Examiner of Public Works Accounts.
- .. Chief Engineer for Irrigation.
- .. Revenue Department. ✓

Exd. E. C. Shanker.

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C. J. H. H. H. H. H.

No 6042

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IN THE CITY OF CHICAGO, ILL.

FOR 1871-1872

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No 35
Comm. to the
Board of Revenue
Spec. H.