(1) Number of pages 4

(2) Date of repair 5.11.84.

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No.	5613.	Press. / Mis.
Dated	20. 9. 1877	~~197~~ .

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Archives 1—10,006—19-4-79.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

8th September 1877, No. 307 I.

Irrigation.
Accounts.

Read the following paper:—

No. 161 I.

Note by the Chief Engineer for Irrigation.

No. 53. The following estimates from the No. 3 or Chingleput Range are forwarded by the Superintending Engineer, Chingleput, No. 791, dated 6th June 1877. with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
			Rs.
Chingleput	Guduvanjeri	S. No. 5 V. tank ...	1,105
Do.	Do.	S. „ 5 V. tangal ...	178
		Total ...	1,283

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 for five Years.	Highest Revenue for five Years.	OUTLAY. During the previous four Years.	Proposed. Ordinary Agricultural Irrigation. Original Works	Repairs.	Average Annual Proportion of Charges to Revenue.
	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Per cent. Rs.
Guduvanjeri tank	79	217	212	308	Nil.	315	790	104·2
Do. tangal	6	11	11	12	Do.	135	43	323·6
Total ...	85	228	223	320	...	450	833	115·0

II.—Hydraulic Details.

Name of Work.	Catchment Basin, Area.	Maximum Supply. Catchment per Second.	Maximum Supply. Channels per Second.	Length of Escape. Total.	Length of Escape. Effective.	Average Height of Bund. Above F.T.L.	Average Height of Bund. Above M.T.L.	Surplus discharged at M.T.L. per Second.	Tanks above.
	SQ. M.	C. FT.	C. FT.	FT.	FT.	FT.	FT.	C. FT.	NO.
Guduvanjeri tank ...	6·0	1,857	...	C 24 E 300 W 24	...	1·75	0·25 less.	...	8
				E 343	367	4·25	2·25	1,857·8	
Do. tangal ...	0·125	141	...	E 50	50	1·75	0·25	254·5	None.
				E 50	50	3·75	2·25	154·3	

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 overfall. 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:—

Guduvanjeri Tank.—This tank lies below the railway at the 23rd mile.

The bund is low and weak, the revetment is below F.T.L. and needs slight repair. There are a calingulah and an opening in the bund for the discharge of surplus, but they are inadequate. The tank has two Irrigation sluices, of which one is a masonry sluice and is in need of repair, the other is a broken pot sluice.

The estimates provide for—

(1). Raising and repairing the bund, repacking revetment, planting kuskus from top of revetment to M.W.L., and turf above, repairing an Irrigation sluice, and converting the opening in the bank into a grass planted escape.

(2). Converting the calingulah into weir.

(3). Constructing a masonry Irrigation sluice to replace the injured pot sluice.

Rupees 200 may be struck out of the estimate for repair of the bank, as the turfing for which it provides is very likely to be unsuccessful. With this change the estimates are recommended for sanction.

The plans have not been countersigned by the Superintending Engineer as they should have been.

This tank is said to have eight others lying above it, and from the note at the foot of the report it is supposed that for seven of them estimates have been locally sanctioned, whilst that for the eighth, the Guduvanjeri tangal, is now submitted.

Guduvanjeri Tangal.—This tank lies just above the one last noticed.

The estimates provide for—

(1). Raising and repairing the bund, turfing above revetment, and planting kuskus on the surface of the existing escape opening.

(2). Constructing a masonry sluice to replace the pot sluice.

As the ayacut is only 6 acres cultivation and Rupees 11 assessment, it is not advisable to spend Rupees 135 as proposed on a sluice and the existing "pot" one is not said to be useless or inefficient.

The estimate of Rupees 43 for repair of the bank only is recommended for sanction, and if this will not suffice for all the requirements of this insignificant pond,

for some years it had better be abandoned as a reservoir and its bed let out for cultivation.

FORT ST. GEORGE,
31st 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. 54. ORDER THEREON, 8th September 1877, No. 307 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 No. 161 I, dated 31st August 1877. memorandum marginally noted are sanctioned:—

Irrigation

Name of Tank.	Provision of Estimate.	Fund, Ordinary Agricultural. Main head. Irrigation.	Amount.	Irrigation Register Number.
		CLASS.	RS.	
Guduvanjeri tank ...	Repairing bund and sluice and extending and planting the escape.	Repairs	590	1 } 155 I.
	Converting calingulah into weir.	Original Works ...	50	2
	Sluice	Do.	265	3 } 156 I.
Guduvanjeri tangal...	Repairing bund and planting surface of the escape.	Repairs	43	

2. These sanctions are registered as shown above.

3. The abandonment of the tangal as an Irrigation work appears to be desirable, and at any rate no further expenditure upon it than that now sanctioned can be allowed.

(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.
" Examiner of Public Works Accounts.
" Revenue Department.

S. C. Shanker.

Copies.

Revenue Department

No 4092

IRRIGATION.
ACCOUNT.

Govt. of {1877} Madras.

PUBLIC WORKS.

To

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

Dated September 8th.

Read. 20 September Encl.

G. O., 8th September 1877, No. 307 I.

SEPTEMBER.
Nos. 53-54.

Guduvanjeri Tank and Tangal, Chingleput District.—Sanctions with remarks the estimates for repairs to the —.

No 5613
Comm'd to the
Board of Revenue
20 Sept

7243 Revenue 21-9-77