

(1) Number of pages 6
(2) Date of repair _____
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	1227	Press.
B.P. No:		Mis.
Dated	6-3-1877	197 .

Not to be folded or roughly handled

Read the following:—

No. 110 J.

No. 606. *Note by the Chief Engineer for Irrigation.*

The following estimates from the No. 1 Northern Range are forwarded by the
No. 177, dated 6th February 1877. *Deputing District Engineer, Tinnevely,*
with his letter marginally noted:—

Taluk.	Village.	Work.	Amount.
			RS.
Sunkernainorocovil ...	Perumbathoor ...	Periacolum Tank ...	3,150
Do. ...	Sunkernainorocovil	Oorkolum do. ...	155
Do. ...	Mooveranthaly	Periacolum do. ...	180
Do. ...	Palamcottay ...	Avaniconaindel Tank	430
Do. ...	Sunkernainorocovil	Solayankolum do. ...	225
Do. ...	Vaghaikolum ...	Vaghaikolum do. ...	205
		Total ...	4,345

2. The financial and hydraulic details of the Irrigation works concerned are
exhibited in the following statement:—

I.—Financial Details.

Name of Work.	Acreage.	Assessment.	Average Revenue for 5 years.	Highest Revenue for 5 years.	During the previous 4 years.	OUTLAY.		
						Proposed Ordinary Agricultural Irrigation.		
						Original Works.	Repairs.	Average Annual proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT.
Perumbathoor Periacolum Tank	407	2,883	908	2,311	Nil	..	3,150	69.3
Oorkolum Tank	42	260	53	200	..	..	155	37.3
Mooveranthaly Periacolum Tank	62	257	102	171	..	..	180	35.3
Avaniconaindel Tank	92	496	326	601	..	..	430	59.3
Solayankolum Tank	53	273	84	244	..	..	225	41.6
Vaghaikolum Tank	36	182	100	191	..	..	205	41.6
Total	692	4,351	1,503	4,218	..	..	4,345	54.2

II.—*Hydraulic Details.*

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE AREA OF SURPLUS SLUICE VENT.		AVERAGE HEIGHT OF BUND.		Surplus discharged at M. T. L. per second.	Tanks above.
		Catchment per Second.	Channels per	Total.	Effective.	Above F.T.L.	Above M.T.L.		
Perumbathoor Periacolum Tank.	sq. M.	C. FT.	C.	FEET.	FT.	FT.	FT.	C. FT.	NO.
Oorkolum Tank	3.0	714	96	C 145.5 Nil.	86 Nil.	Not stated. 4.5	1.5	1422.4 0.0	2
Mooveranthaly Periacolum Tank.	4.0	849	..	*W 112 C 36 S 4.5	112 27 4.5	3.75 Not stated.	2.25	691.2 284.7	2
Avaniconaindel Tank	4.0	850	..	*W 86 S 4.5	86 4.5	4.5	2.5	858.8	2
Solayankolum Tank	4.0	850	..	Nil. *W 133 C 27 S 6	Nil. 133 24 6	Not stated. 3.75	2.25	0.0 820.8 188.4	10
Vaghaikolum Tank	3.0	714	..	*W 133 Nil. *W 112	133 Nil. 112	3.75 Not stated. 3.75	2.25	868.9 0.0 691.2	2

* Works required but for which no estimates have been received.

NOTE.—The proposed dimensions of escapes are in small type. The following abbreviations are used: E.—Escape at ground level. B.—Bund of tank. S.—Calingulah with dam stones. W.—Weir with flush crest. plus sluice vent area. V.—Village.

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

Perumbathoor Periacolum Tank. This is an important tank and in need of immediate repair. The bund is very low and weak throughout. The tank has two irrigation sluices in very fair order and three calingulahs, two of which require slight repairs. This tank is well situated for a relief work.

The estimate provides for raising and repairing the bund.

Oorkolum Tank.—The bund of this tank is low and weak and requires to be raised and strengthened. The tank has two irrigation sluices in need of trifling repairs. It has no surplus work.

The estimate provides for raising and repairing the bund.

Mooveranthaly Periacolum Tank.—This tank has had no outlay on it for many years. The bund requires to be raised and strengthened. The tank is provided with an irrigation sluice and a calingulah the former is in a ruined condition and requires to be rebuilt, and the latter needs to be repaired and extended.

The estimate provides for raising and repairing the bund.

Avaniconaindel Tank.—This tank has not been repaired for many years, and its bund is consequently in very bad condition; it requires raising and strengthening throughout. The tank is provided with two irrigation sluices which are in need of repairs. It has no surplus work.

The estimate provides for raising and repairing the bund.

Solayankolum Tank.—The bund of this tank has not been repaired for many years, and it is consequently in very bad condition and requires to be raised and

strengthened. The tank is provided with two irrigation sluices and a calingulah, all of which are in working order, but the latter needs to be lengthened to render it efficient.

The estimate provides for raising and repairing the bund.

Vaghaikolum Tank.—This tank has had no expenditure on it for many years. The bund is low and weak and requires to be raised and strengthened throughout. The tank has one irrigation sluice in tolerable repair, but it is not provided with a surplus work.

The estimate provides for raising and repairing the bund.

In submitting these estimates the Official District Engineer states that as the works they provide for are intended specially for famine relief only the earthwork necessary to put the tanks into a good state of repair has been entered. The repairs of the masonry works should be arranged for as soon as possible, and the provision and extension of means of surplus necessary to ensure the safety of the tanks should not only not be lost sight of but the estimates should be sent in without delay.

Sections of the bank of the Perumbathoor Periacolum ought to have accompanied the estimates.

The estimates are recommended for sanction.

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.	
Perumbathoor Periacolum Tank.	Raising and repairing the bund	RS. ...	RS. 3,150	RS. 3,150
Oorkolum Tank	Do. do.	...	155	155
Mooveranthaly Periacolum Tank.	Do. do.	...	180	180
Avaniconaindel Tank...	Do. do.	...	430	430
Solayankolum Tank...	Do. do.	...	225	225
Vaghaikolum Tank...	Do. do.	...	205	205

FORT ST. GEORGE,
20th February 1877.

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

To the Secretary to Government, Public Works Department.

No. 607. ORDER THEREON, 24th February 1877, No. 634.

IRRIGATION, No. 60.

Account.

No. 116—W, dated 20th February 1877.

The following estimates for Irrigation works in the No. 1 or Northern Range, Tinnevely District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted are sanctioned.

*Proceedings of the Madras Government, Public Works Department,
24th February 1877. No. 634.*

Name of Work.	Item	Fund, Ordinary Agri- cultural, Irrigation.	Amount.	Irrigation Re- gistry No.
Perumbathoor Periacolum Tank.	Repairs	Repairs	Rs. 3,150	327-I.
Oorkolum Tank	...	Do.	155	328-I.
Mooveranthaly Periacolum Tank.	...	Do.	180	329-I.
Avaniconaindel Tank	...	Do.	430	330-I.
Solayankolum Tank	...	Do.	225	331-I.
Vaghaikolum Tank	...	Do.	205	332-I.

3. These sanctions are registered as above shown.

(See Extract.)

John ...

Lieut.-Colonel, R.E.,

Secretary to Government.

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

Exd. E. C. Shunker.

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To

THE DISTRICT ENGINEER,
TINNEVELLY,
&c., &c., &c.

Dated February 24th.

Issued

Recd. 5 March. Encl.

G. O., 24th February 1877, No. 634.

DE
FEBRUARY.

Nos. 606-607.

101227
Comm. to the
Board of Revenue
5 March 77.

Tanks, Tinnevely District.—The estimates aggregating Rupees 4,345 for raising and repairing the bunds of certain — sanctioned.

L. To the H^{rs} of Revenue 7-2-77