

- (1) Number of pages 6
(2) Date of repair 17. 1. 1970
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	1824	Press
B.P. No.		Mis. ✓
Dated	2-8-1876	196

Not to be folded or roughly handled

Read the following:—

No. 65.

No. 98.

Vote by the Chief Engineer for Irrigation.

The following estimate from the No. 1 or Northern Range are forwarded by the Officiating District Engineer, Thiruvelli, with his letter marginally noted:—

Taluk.	Village.	Work.	Amount.
Sunkerninarcovil	Poohengoody	R. No. 113, Chinna Chetty Tank	Rs. 330
Do.	Chinthamoney	R. „ 129, Kothandampary Tank	1,255
Do.	Perambatoor	R. „ 126, Kundaperi Tank	625
Do.	Poohengoody	R. „ 111, Atheyuthu Tank	275

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.	During the previous 4 years.	OUTLAY.		
						Capital.	Revenue.	Average annual proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT.
Chinna Chetty Tank	20	110	91	111	...	100	230	72.53
Kothandampary Tank	87	487	353	437	...	...	1,255	71.10
Kundaperi Tank	60	419	260	483	327	...	625	73.28
Atheyuthu Tank	18	102	94	123	...	...	275	68.61

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE.		AVERAGE HEIGHT OF BUND.		Surplus discharged at M. T. L. per Sec.	Tanks above.
		sq. m.	c. ft.	Total.	Effective.	Above F. T. L.	Above M. T. L.		
Chinna Chetty Tank	25	270	...	W 20 K 10	20 74	Not stated	Not stated	0.0	...
Kothandampary Tank	Not stated	902	...	W 37 K 23	23.25 59	Not stated	Not stated	892.7	1
Kundaperi Tank	5	554	400	W 60	60	Not stated	Not stated	570.2	...
Atheyuthu Tank	Not stated	...	356	W 36	36	Not stated	Not stated	0.0	...

NOTE.—The proposed dimensions of escapes and bunds entered in large type. The existing dimensions in small type. The following abbreviations are used: E.—Escape at ground level. B.—Bund of masonry. W.—Weir with dam stones. W.—Weir with flush masonry.

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5th July 1876, No. 1,714.

3. The following is a summary of the proposed works out in each case:—

Chinna Chetty Tank.—Raising and repairing the bund, rebuilding the covering of the sluice, constructing a retaining wall and cistern, and constructing a masonry weir.

Kothandrapary Tank.—Raising and repairing the bund, constructing cisterns and reconstructing retaining walls for two irrigation sluices, extending and improving the existing calingulah by converting it into a weir.

Kundiaperi Tank.—Raising and repairing the bund, also repairing the sluice and surplus weirs, and constructing a regulator at the head of the supply channel.

Atheyuthu Tank.—Raising and repairing the bund, also repairing the supply channel, constructing a surplus weir and a front retaining wall and cistern to the existing irrigation sluice.

4. It is not desirable as a rule to adopt the native pattern of calingulah or weir with dam stones either wholly or partly as in the case of the Chinna Chetty Tank. As, however, the discharge above the dam stones and solid crest would probably in itself suffice to relieve the tanks of flood-water, the design may stand.

The improvements proposed for the calingulah of the second tank on the east involves the regulation of discharge through vents closed by wooden planks. Their timely removal cannot be depended on, and the weir must be lengthened so as to have a total length of crest of 50 feet. Thus will involve an increase to the estimate of Rs. 105.

5. It is proposed to embank the stream which supplies the Kundiaperi Tank and to confine the supply from the river to the channel leading to the tank. The ends of the embankment abutting on the channel are to be provided with masonry retaining walls carried 4½ feet below the channel bed. These cannot be said to regulate the supply to the channel, and the masonry work cannot properly be called a regulator. The object in view is to prevent the spill from the river reaching the tank and breaching it, and the proposed arrangements are suitable so far as they go.

6. The names given to the tanks are confusing. The name of the village should be distinguished from that of the tank when the latter has a special name, and the word tank should be substituted for the tamil equivalent.

The estimates are recommended for sanction subject to the revision recorded in paragraph 4 for that in connection with the Kothandrapary Tank.

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.	Item of Estimate.	ORDINARY TANK		
		Original Works.	Repairs.	Total.
Chinna Chetty Tank	Raising and repairing the bund ...	Rs. 100	Rs. 37	Rs. 137
	Rebuilding the covering of the sluice ...	...	...	...
	Constructing a retaining wall and cistern ...	...	...	...
Kothandrapary Tank	Raising and repairing the bund ...	...	...	...
	Constructing cisterns and reconstructing retaining walls for two irrigation sluices ...	...	...	...
	Improving and extending the existing calingulah and converting it into a weir ...	...	...	...
	Constructing a regulator at the head of supply channel ...	...	...	...
	Raising and repairing the bund, and also repairing the sluice and surplus weirs ...	...	...	...
	Constructing a surplus weir and a front retaining wall and cistern to the existing irrigation sluice ...	...	...	...
	...	185	...	1,255

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5th July 1876, No. 1,714.

Name of Tank.	Item of Estimate.	FUND.		Total for each Tank, &c.
		Original Works.	Repairs.	
Kundiaperi Tank	Raising and repairing the bund, and also repairing the sluice and surplus weirs ...	Rs. 115	Rs. 510	Rs. 625
	Constructing a masonry head to the supply channel ...	...	...	...
Atheyuthu Tank	Raising and repairing the bund and also repairing the supply channel ...	...	...	...
	Constructing a surplus weir ...	...	...	...
	Constructing a front retaining wall and cistern to the existing irrigation sluice ...	...	...	...
	...	50	...	275

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

2d June 1876.

To the Secretary to Government, Public Works Department.

No. 99.

ORDER THEREON, 5th July 1876, No. 1,714.

IRRIGATION, No. 7.

Account.

No. 65 W., dated 3rd June 1876.

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:—

Irrigation.

Name of Work.	Item of Estimate.	FUND.	Amount.	Irrigation Registry No.
		Ordinary Agricultural.		
Chinna Chetty	Raising and repairing the bund ...	Repairs	Rs. 193	1
	Rebuilding the covering of the sluice ...	Do.	37	2
	Constructing a retaining wall and cistern ...	...	...	...
	Constructing a masonry weir ...	Original Works	100	3
Kothandrapary Tank	Raising and repairing the bund ...	Repairs	962	1
	Constructing cisterns and reconstructing retaining walls for two irrigation sluices ...	Do.	108	2
	Improving and extending the existing calingulah and converting it into a weir ...	Original Works	185	3
Kundiaperi Tank	Raising and repairing the bund and also repairing the sluice and surplus weirs ...	Repairs	510	1
	Constructing a regulator at the head of supply channel ...	Original Works	115	2
Atheyuthu Tank	Raising and repairing the bund, and also repairing the supply channel ...	Repairs	112	1
	Constructing a surplus weir ...	Original Works	113	3
	Constructing a front retaining wall and cistern to the existing irrigation sluice ...	Do.	50	3

Proceedings of the Madras Government, Public Works Department,
5th July 1906. No. 1,714.

2. These sanctions are registered as shown above.

(Tr Extract.)

W. W. W.
Colonel,
Offg. Under Secy. to Govt., P.W.D.

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

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Dear Office

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Revenue 1875 District
Govt. of 1873
PUBLIC WORKS.

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

Dated July 5th.

Issued

Recd. 29

G. O., 5th July 1867, No. 1,711.

JULY.
Nos. 98-99.

Tanks, Tinnevely District.—Estimates for
the repair, &c., of certain — sanctioned.

No 1824

communicated to the M of

2 August 1876

11 Tanks, District of Tinnevely

New No. Sectt. I (i)-1—Old No. M.R.O. 1—10,006—10-6-63.

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(2) Date of repair —

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