

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	150	(2)	Press
B.P. No.			Misr
Dated	21-1-	1876	

Not to be folded or roughly handled

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	150	(2)	Press
B.P. No.			Misr
Dated	21-1-	18.26	.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
21st January 1876.*

No. 293.

Read the following:—

No. 49.

Note by the Chief Engineer for Irrigation.

The following estimates from the Seraloor Range are forwarded by the District Engineer, Chingleput, with his letter No. 2,791, dated 5th October 1875. marginally noted:—

Taluk.	1875-76, Estimate No.	Work.	Amount, RS.
Ponnary.	...	Repairing the Asanabothoor Large Tank and forming escape	2,070
Do.	...	Repairing Culpaukum Large Tank and forming an escape	1,530

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

I.—Financial Details.

Name of Work.	Ayacut, Area.	Assets- ment.	Average Revenue in 5 years.	Highest Revenue in 5 years.	Expenditure on Repairs during previ- ous 4 years.	AMOUNT OF ESTIMATE.		
						Capital.	Reve- nue.	Total.
1	2	3	4	5	6	7		
	ACRES.	RS.	RS.	RS.	RS. A. P.	RS.	RS.	RS.
Asanabothoor Tank	259	1,224	1,191	1,269	210 12 3	189	1,981	2,070
Culpaukum Tank	185	897	744	806	334 10 9	13	1,512	1,530
						207	3,393	3,600

II.—Hydraulic Details.

Name of Work.	Catchment Area.	MAXIMUM SUPPLY.		LENGTH OF WEIRS AND ESCAPES.		MINIMUM HEIGHT OF BUND.		Surplus dis- charge at M.T.L.	Tanks above.
		Catch- ment.	Chan- nel.	Total.	Effec- tive.	Above F.T.L.	Above M.T.L.		
	SQ. M.	C. FT. PER SECOND.	C. FT. PER SECOND.	FT.	FT.	FT.	FT.	C. FT. PER SECOND.	No.
Asanabothoor Tank	4.5	1,224	...	C. = 37	31	3	1.5	527	Not stated.
Culpaukum Tank	1.75	730.5	...	...	...	3.5	2.0	B. Cut.	Do.

Note.—Abbreviations used:—

C. Calingulish with dam stones.
W. Weir with fish crest.

E. Escape at ground level.

B. Bund.

The actual dimensions and discharges are in black; those proposed, in red figures.

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

Asanabothoor Tank.—The tank which was breached in thirteen places by a cyclone in 1874 and by the overflow of the Naranaveram river is to be repaired, the bank turfed, and a permanent escape provided.

Culpaukum Tank.—This work also was breached in eleven places by the cyclone, the estimate provides for repairing and sectioning the bund and forming an escape.

Proceedings of the Madras Government, Public Works Department,
21st January 1876.

4. It is to be observed in the case of the Asanabothoor Tank that the length of surplus escape is somewhat excessive for the supply to be expected from the catchment basin of the tank, and that as regards the spill from the Naranaveram river, it is useless to attempt to secure these small reservoirs from accident caused by such overflow by means of surplus escapes. The proper remedy and one which is about to be applied by the Superintending Engineer is the embankment of the river itself. The supply to the tank which has to be considered in this, as in similar cases, is the drainage reaching it, exclusive of that from the river, overflowing its banks.

MADRAS,
17th January 1876.

(Signed) A. DE C. SCOTT, Major, R.E.,
for Chief Engineer for Irrigation.

No. 294.

ORDER THEREON, 21st January 1876, No. 150.

IRRIGATION, No. 22.
Account.

The following estimates, forwarded by the Superintending Engineer, Chingleput district, are sanctioned:—

	Capital.	Revenue.
	RS.	RS.
Repairing the Asanabothoor Tank in the Ponnary taluq, Chingleput district	189	1,581
Repairing the Culpaukum Tank in the same taluq	18	1,512
	207	3,393
Total ...	3,600	

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

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

Encl. E. C. Shanker.
Specie Copies

Office of Chief Engineer for Irrigation.
W. 49. Dated 17 January 1876.

Enclosure 3.

Note by the Chief Engineer for Irrigation.

The following estimates from the
S. 2791 dated 5th October 1875. Separation, Bangalore forwarded by the District Engineer, Chingleput, with his letter originally dated.

Salug. Estimate	Work.	Amount
Primary	Repairing the Asanabothoor tank and forming an escape.	Rs 2070
do	Repairing Culpaukum tank and forming an escape.	Rs 1530

2. The financial and hydraulic details of the irrigation works concerned are exhibited in the following statements.

I Financial Details

Name of work	Area in acres	Average Revenue in five years	Highest Revenue in five years	Spandstone Revenue in five years	Amount of estimate
	Acres	Rs	Rs	Rs	Rs
Asanabothoor Tank	259	1,224	1,191	1,269	210-12-3 189 1,581 2,070
Culpaukum Tank	185	897	744	806	334-10-9 18 1,512 1,530
					207 3,393 3,600

II Hydraulic Details

Name of work	Catchment area in square miles	Maximum supply in cfs	Length of weir in feet	Minimum height of discharge in feet	Surplus at MTL
Asanabothoor Tank	4.5	1,224	Nil	37	31 3 1.5 527 not stated
Culpaukum Tank	1.75	730.5	Nil	Nil	3.5 2.0 B. Bit do

The actual dimensions and discharges are in black, those proposed in red figures.

3. The following is a summary of the work proposed in each case.

Acanahookhoo tank. The tank which was breached in 13 places by a cyclone in 1874, and by the overflow of the Naranaverrin river is to be repaired, the bank turfed, and a permanent escape provided.

Bulpanhoo tank. This work also was breached in 11 places by the cyclone, the estimate provides for repairing and sectioning the bank and forming an escape.

4. It is to be observed in the case of the Acanahookhoo tank that the length of surplus escape is somewhat excessive for the supply to be expected from the catchment basin of the tank and that regarding the spill from the Naranaverrin river it is useless to attempt to secure these small reservoirs from accident caused by such overflow by means of surplus escapes. The proper remedy and one which is about to be applied by the Superintending Engineer is the reinforcement of the river itself. The supply to the tank which has to be considered

in this, as in similar cases, is the drainage reaching it, exclusive of that from the river, overflowing its banks.

A. S. S. S.
Major R. E.
For Chief Engineer for Irrigation

To,
The Secretary to Government
P. W. D.

C. S. S.

R. S. S.

Car 19-1-76.

Brought-forward

6

Forming sea face
byards of rough stone work 3 - 18. - 18. -
Total Estimate Rupees

80 123
23 53 155
1556

[Signature]
Coll. R. E.,
Superintending Engineer, Chingleput District.

[Signature]
Taluk Officer.
[Signature]
Range Officer.

11.43 1/2

To.
The Officer in Charge,
No. 1 or Senior Range,
Chingleput District.
Dated }
Received }
Detailed and Abstract Estimate No.
of 187 - 7.
District Chingleput.
Taluk Ponnampally
Village Mullapalle
Work Repairing the Sea Face
Large Dam

Estimate Rupees. 1556

Repair WORK

AGRICULTURAL

ABSTRACT ESTIMATE No.

OF 187 7

9

District Chingleput Taluk Ponnampally.
Village Maanabothoor No.

Work. Repairing Maanabothoor Large Tank.
Revenue Survey No. 165

Assessment Rupees 1224 - 0 - 0

Ayacut Acres 2.57
Average Revenue for 5 years Rs 1191
Highest Rs 1269
Date of last 4 years Repairs
Proposed by Taluk Officer

Cost of last 4 years Repairs Rupees
1870-71 = 39-15-11
1871-72 = 92-6-4
1872-73 = 10-0-0
1873-74 = 78-6-0
210-12-3

Sanctioned by
Necessity and object of work To close the breaches
and section and Surf the Bund.

Ratio of slope 2 1/2 to 1 inside
2 1/2 to 1 wide
Top width of bund 4 1/2 ft.
Height to be raised 1 ft.

Quantities.	Description of Charges.	Rate.	Per.	Amount.	Total.
13435	Cubic yards of Earth work	1	Cy	839 11	
13435	do do Pudding	3	do	209 49	
21105	Square yards of Surfing	3	Sq Yd	329 12 3/4	
4322	do do of planting canal	4	do	90 0 8	
63	Cubic yards of rough stone work	3	Cy	189 0 0	1658-6-8

Brought forward Rs.

Repairing Caligulahi.	4	00	00	16	00
Cyds of Brick in Chunnaw	13 1/4	00	00	00	00
Sqrs of plastering	2	00	00	00	00
Grubbing about 5 per cent					
Total Estimated Rupees				207	00

Salary Oversee in office
15 September 1875

H. H. H. H. H.
Coll. R. E.,
Superintending Engineer, Chingleput District.

P. M. M. M. M.
Taluk Officer,
Range Officer.

To
THE SUPERINTENDING ENGINEER,
Chingleput District.
Dated }
Received } 187
Detailed and Abstract Estimate No.
of 187 - 7 .
District Chingleput.
Taluk Primary
Village Chunnaw
Work Repairing
Grubbing
Estimate Rupees 207-00-00
21 Jan 76
20/1/20/75

No 150 P. W. Dept

Proceedings of the Madras Government.
21 Jan 76
Read the following

From
The Chief Eng^r for Engrs - (H.E. No 49 of 17 Jan 76)

The following estimates
forwarded by the superin-
tending engineer, Chingleput
District, are sanctioned.

Repairing the Ananabothom
Tank, in the Primary Taluk,
Chingleput District — 189 1881
Repairing the bulpantam
Tank in the same Taluk. 18-1512
Rupees 207-3393
Total Rupees 3600

Approved

At Engrs Chingleput
Collector of do
Chief Eng^r for Engrs
Controller of Engrs
Rev. W. Dept
with 3 orig. Enclosures.
2 Ab. Ests
17 Dec 75 - 2-2-76

22

99

From

Dated

Subject :-

ENCLOSURES.

From ^{1 letter} Suffr. Eug. Chinglappa. Ch. Eug. Jm
" 2 Petimalis. " Suffr.
" " "
" " "

Orders and Proceedings in file.

Department.	No.	Date.	ENDORSEMENTS.		
			Department.	No.	Dated.
G.O. No 158. 21. 170					

G.O. No 158. 21. 176

,

,

21 Jan 76 N° 293

N. 293-294

Car 19-1-76

137

Govt 1870 Madras.

WORKS.

attend to
Please see
instructions written by

Dist Engr
Chingleput

24/11/70

sent to
17/12/70

21 Jan

150

293 - 294

Senabrook and Gul-

-patnam Tanks, Chingle-

-put Engr - Chingle

Account to Rs. 500 for

repairing the -

land.

16. 10. 5