

(1) Number of pages 4

(2) Date of repair _____

(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	251	Press
B.P. No.		Mis.
Dated	31-1-1876	197

Not to be folded or roughly handled

1251

*Proceedings of the Madras Government, Public Works Department,
20th January 1876.*

Read the following :—

No. 215.

No. 37.

MEMORANDUM.

The following estimates are submitted

• With his letter No. 3,093, dated 22nd October 1875. by the Superintending Engineer, Chingleput* —

(1)—Repairing the Coonnavaillam Tank in the Trivellore Taluq.

(2)—Repairing the Arasoor Tank in the Ponnary Taluq.

The financial and hydraulic details of these irrigation works are exhibited in the following tabular statements.—

I.—Financial Details.

1 Name of Work	2 Ayacut Area	3 Assess-ment	4 Average Revenue in 5 years	5 Highest Revenue in 5 years	6 Expenditure on repairs during previous 4 years	7 AMOUNT OF ESTIMATE.		
						Capital.	Revenue	Total.
	ACRES	RS.	RS.	RS.	RS.	RS.	RS.	RS.
1. Coonnavaillam Tank	188	647	330	47	49	—	675	675
2. Arasoor Tank	182	874	955	991	720	455.5	1,165.5	1,620

II.—Hydraulic Details.

Name of Work.	Catch-ment Area	MAXIMUM SUPPLY.		LENGTH OF WEIR.		MINIMUM HEIGHT OF BUND.		Weir discharge at M.T.L.	Tanks above.
		Catch-ment	Channel.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
	SQUARE MILES.	C. FT. PER SECOND.	C. FT. PER SECOND.	FEET.	FEET.	FEET.	FEET.	C. FT. PER SECOND.	No.
1. Coonnavaillam Tank.	8.0	1,170	Nil	105	101.5	3.0	1.0	Data insufficient.	Not stated
2. Arasoor Tank	4.0	1,417	Nil.	None.	None.	3.0	1.5	None	Do

COONNAVALLAM TANK.—The hydraulic conditions obtaining in the case of this tank are not clearly shown. The maximum tank level is assumed at 4 feet above the body wall of the masonry weir, or 2 feet above F.T.L., which is apparently assumed at the level of the crest of the bund placed between the dam stones.

The M.T.L. is excessive, and it should be reduced to a moderate height by lowering the natural escape. Three feet depth of discharge over the weir body should be the greatest allowed in this instance. The natural escape may of course be banded to the level of the top of the dam stones, so long as the level of the ground line is such that when the escape is in action it shall suffice, in conjunction with the masonry weir, to prevent the water-level in the tank rising above the M.T. level now assigned.

The estimate provides for raising and sectioning the bund, and for the repair of the calingulah and a sluice, both of which are damaged. The amount, Rupees 675, is debitable to Revenue.

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ARASOOR TANK.—This tank is unprovided with any means for the escape of surplus water, and it is proposed to remove the bund for a length of 184 feet and to protect the ends with rough stone. A section of the ground at the site of the proposed escape should have been given and its nature stated. The bund itself is reported to consist of weak loam. The depth of water proposed to be discharged is 1.5 feet, and this length with a *clear overfall* would suffice, but the nature of the escape precludes the idea of such a condition. The length of crest should be increased to 250 feet. The inner bund slope is to be increased to 2 to 1.

The estimate, amounting to Rupees 1,620, is debitable as shown below —

	Capital			Revenue		
	RS	A	P.	RS	A	P.
Turfing bund	360	13	0			
Planting nanel	94	11	0			
Repairing sluices and bund				1,163	8	0
	455	8	0	1,163	8	0

FORT St. GEORGE,
8th January 1876.

(By order,)
(Signed) A. DEC. SCOTT, Major, R.E.,
Asst. Chief Engineer, Irrigation Dept.

No. 216.

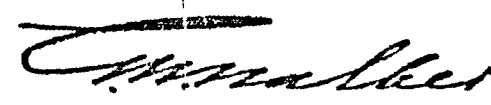
ORDER THEREON, 20th January 1876, No. 111.

IRRIGATION, No 17.
Account

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

	Capital.			Revenue.		
	RS.	A	P.	RS	A	P.
Repairing the Coonnavaillam Tank, Tiivellore Taluq ...				675		
Total ...				675		
Repairing the Arasoor Tank, Pomary Taluq ...	455	8	0	1,163	8	0
Total ...				1,621		

(True Extract.)

 Major-General, R.E.,
Secretary to Government.

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

Exd S. T. Austin.

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Rev: 1876. Sept
N. 395

Govt. of 1876 Madras.

PUBLIC WORKS

To

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

Dated January 20th.

Issued

Recd.

u

31st

Encl.

G. O., 20th January 1876, No. 111.

For Mr.

JANUARY.

Nos. 215-216

251

251

Coonnarallam and Arasoor Tanks, Chingle-
put District.—The estimates amounting to
Rs. 2,296, for repairing the — sanctioned.

N. 251

Comm. to the
Board of Revenue

31st January 1876

9 Lohs. (D. & J. of P. & S. 2. 8th)