

(1) Number of pages _____

(2) Date of repair _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	419-(9)	Press
B.P. No.		Mis.
278/279		
Dated	16 2	18/6.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
16th February 1876.*

Read the following :—

No. 112.

No. 278. *Note by the Chief Engineer for Irrigation.*

THE following estimate from the 1st Range is forwarded by the Superintending Engineer, Chingleput, with his letter No. 1,926, dated 17th August 1875. marginally noted :—

Taluq.	Estimate No.	Work.	Amount. Rs.
Ponnary	187 ...	Repairing the Thoranullore Tank.	1,140

2. The Financial and Hydraulic details of the Irrigation Work 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.	Expenditure during previous 4 years.	AMOUNT OF ESTIMATE.		
						Capital.	Revenue.	Total.
Thoranullore Tank	ACRES. 163	RS. 754	RS. 741	RS. 763	RS. 196	RS. ...	RS. 1,140	RS. 1,140

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE.		AVERAGE HEIGHT OF BUND.		Surplus discharge at M.T.L. per Section.	Tanks above.
		Catchment per Second.	Channels per Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
Thoranullore Tank... ..	SQ. M. 333	C. FT. 270	C. FT. NIL	FT. 9	FT. 9	FT. 2.875	FT. .875	C. FT. 86	No. 2
				29	29	4.0	2.0	275	

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 flush crest. E.—Escape at ground level. B.—Bund of tank.

3. The estimate provides for repairing the bund of the tank which has been breached in five places, and for extending the existing escape 20 feet. The total length of escape will then be 29 feet.

Correspondence has passed between the Chief Engineer and the Superintending Engineer of the district in regard to the apparent anomaly of a tank with a reported catchment basin area of one-third of a square mile, irrigating 160 acres of land. The explanation given is in fact that the land receives supplies of water from other sources, i.e., by percolation and by drainage from fields irrigated by other tanks. Also, that the breaches were caused by the overflow of the Naranaveram river, a contingency which is to be otherwise provided for. In the plan forwarded with the estimate, two surplus

*Proceedings of the Madras Government, Public Works Department,
16th February 1876.*

channels from other tanks are shown which are clear of the Thoranullore tank, but which, if breached or flooded, would apparently deliver water into it.

Taking all the facts into consideration, it is considered that at least 200 feet of grass planted escape should be provided by removing the bund to the necessary extent. One hundred Rupees may be added to the estimate for the purpose, and the whole expenditure will be treated as a revenue charge.

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

To the Secretary to Government, Public Works Department.

No. 279. ORDER THEREON, 16th February 1876, No. 419.

IRRIGATION, No. 29.
Account.

THE following estimate, forwarded by the Superintending Engineer, Chingleput, is sanctioned :—

	Revenue (Repairs.)
Repairing the Thoranullore tank, Ponnary taluq, and providing an additional length of escape	RS. 1,240

2. This sanction has been registered as No. 4 I. of 1875-76.

(True Extract.)

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

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

Exd. S. T. Austin.

Spare Copies

I. Form No. 1.

OFFICE OF CHIEF ENGINEER FOR IRRIGATION,

Fort St. George, Madras, 26th January 1876.

No. 112

Note by the Chief Engineer for Irrigation.

No. *1926*
Dated *17 August* 1875.

The following Estimates from the *1st* Range ~~are~~ forwarded by the *Superintending* Engineer, *Chingleput*, with his letter marginally noted :—

Taluq.	Estimate No.	Work.	Amount.
<i>Ponnary</i>	<i>187</i>	<i>Repairing the Thoranullore Tank.</i>	<i>Rs. 1140</i>

Ponnary — " — *Repairing the Thoranullore Tank.* — } *1140*

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

L.—Financial Details.

Name of Work.	Ayacut Area.	Assessment.	Average Revenue for 5 years.	Highest Revenue for 5 years.	Expenditure during previous 4 years.	Amount of Estimate		
						Capital.	Revenue.	Total.
	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Thoranullore Tank.</i>	<i>163</i>	<i>754</i>	<i>741</i>	<i>762</i>	<i>196</i>	<i>56</i>	<i>1140</i>	<i>1140</i>

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.
		Catchment per Second	Channels per Second	Total.	Effective.	Above F. T. L.	Above M. T. L.		
Sq. M.	C. ft.	C. ft.	Ft.	Ft.	Ft.	Ft.	C. ft.	No.	
Thoranullore Tank	333	270	Nil.	9	9	2.875	8.75	86	2

NOTE.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. In the MS. the entries in red denote proposed dimensions. The following abbreviations are used:—C.—Calinguloh with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

3. The estimate provides for repairing the bund of the tank which has been breached in five places and for extending the existing escape 20 feet. The total length of escape will then be 29 feet.

Correspondence has passed between the Chief Engineer and the Superintending Engineer of the District in regard to the apparent anomaly of a tank with a reported catchment basin area of $\frac{1}{3}$ of a square mile, irrigating 160 acres of land. The explanation given is in fact that the land receives supplies of water from other sources, i.e. by percolation and by drainage from fields irrigated by other tanks. Also, that the breaches

Note for Printer—Red entries in this note were to be printed in classical type and not in modern

were caused by the overflow of the Naranauram river, a contingency which is to be otherwise provided for. In the plan forwarded with the estimate, two surplus channels from other tanks are shown which are clear of the Thoranullore tank, but which, if breached or flooded, would apparently deliver water into it.

Taking all the facts into consideration, it is considered that at least 200 feet of grass planted escape should be provided by removing the bund to the necessary extent. One hundred rupees may be added to the estimate for the purpose and the whole expenditure will be treated as a Revenue charge.

Amf. Secy.

Major R.E.

For Chief Engineer for Irrigation

To

The Secretary to Government,
Public Works Department

C.E.S.

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Pro. 16 Feb 16 B N 278

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FORMER CASES.

Current No. of 187 .
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M. WORKS FORM No. 3.

Current No. 1070

From

The Chief Engr for
Irrigation

No. 112

Dated 26

Recd. 11

Jan. 1876.
Feb.

1876.

Subject:—

Note on Estimate for
repairs to the Thoranullor
Tank, Chingleput Dist.

ENCLOSURES. 6.

From

to

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G.O. No 419. "16-2-76
Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.

No 419 P. H. Dept

Proceedings of the Madras Government

Under date the 16 Feb/76

Read the following:—

From The Chief Engr for Irrig (H.S. No 112 d/ 26 Jan/76

The following estimate for-
warded by the Superintending En-
gineer, Chingleput, is sanctioned:

Repairing the Thoranullor
tank, Ommary Taluk, and
providing an additional
length of escape. Revenue.
1240.

This sanction has been
registered as
G.O. No 419
of 1875-76.

LATER CASES.

Current No. of 187 .
 " " "
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N. 278

J. E. Chingleput
Collector - do -
Ch. Engr for I. with 6 Ors. Enclosures -
Cont. bul. up papers -
Rev. Dept

Sx: SRA Depd - 3-2-76

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C. No. 1070

Govt. of 1876 Madras.
PUBLIC WORKS.

To
G. E. Chingleput

Died

Issued

Recd

Facd

G. O. 16. July 1876. No. 419.

No. 278-279

W/
Thornhilloor South in
Ponnacur Taluk. Chingle-
put District. — Colonial
of Rs 1240 for superintending
the —, construction
and providing an
additional 10000
sanctioned.

No 278-279

C. No. 1070

Govt. of 1876 Madras.
PUBLIC WORKS.

To
J. E. Chingleput

Died

Issued

Recd

Facd

G. O. 16. July 1876. No. 419.

No. 278-279

Foranulloor South in
Ponnacur Taluq. Chingle-
put District. — Colonial
of Rs 1240 for superintending
the —, construction
and providing an
additional 1000 per
sanctioned.

No 278-279