

(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.	113	Press
~~B.P.~~ No.		~~Mis.~~
Dated	14. 1.	195
		1875

Not to be folded or roughly handled

Read the following:—

No 1,049.

No 242. . . Note by the Chief Engineer for Irrigation

The following estimate has been submitted for sanction by the Superintending Engineer, Chingleput.

Chengatur Tank.—Estimate Rupees 4,297, of which the

provision for repairs is	Rs. 3,581
Do. an addition to the north surplus weir	„ 716
Ayacut area ..	Acres 523
Do assessment ..	Rs 1,854
Average revenue ...	„ 1,768
Highest do ..	„ 1,808

Rupees 916 were expended in repairs in 1873-74.

This tank was breached in 1872, and repaired evidently very inadequately. It breached again in this year, and the present estimate is intended to make it safe and efficient. The catchment basin is estimated to be a little under 14 square miles, and there are 13 tanks, many of which are but little more than ponds, above it. The maximum flood discharge may be taken to be 3,000 cubic feet a second, and with the bund, as intended, 5 feet above surplus weir level 2½ feet of water may as a maximum be allowed to go over. There are considerable facilities for providing ample waterway, and a total length of 270 feet of escape may be allowed. One hundred feet of this will be given at the south end, where water has customarily been discharged over hard ground, and the 50-foot calingulah at the north end should be converted into a flush escape and be extended to 170 feet. What the Rupees 716 provide for in the way of escapes is not clear, and the Superintending Engineer, though reminded in this office memorandum No. 883 of the 30th October, of the necessity for the estimate to be submitted to Government providing for all the requirements of the tank, has omitted to forward the necessary information.

2. On the other hand, no advantage of moment, but a good deal of additional money spent, would result from making the interior slopes 4 to 1. The Range Officer's hope that the wash would not destroy such slopes is illusory, and the proper way of protecting the slope is to plant a wide belt of nanel or other long grass upon it from maximum water level downwards to at any rate 6 feet and probably 8 feet below full tank level. On the survey of the tank no scale has been given, but I should judge that nearly one-third of the items for earthwork and tamping are due to this long slope, and that Rupees 1,000 may be deducted from the repair estimate if the slopes be reduced to 2½ to 1 where the water is more than 6 feet deep and to 2 to 1 elsewhere.

3. The amount allowed for additional surplus weirs appears to be inadequate, even if the cheapest form of escapes be adopted, and if stone be available close by, for 220 feet of additional length have to be provided. It is recommended therefore that the total of the estimate be left as it is, and that it be divided as follows pending a revision of the estimate for repair and the submission of that for the escapes.—

Proceedings of the Madras Government, Public Works Department,
14th January 1875.

Repairs	Rs.
Nanel planting ..	2,580
Minor New Works	250
	1,467

and in the meantime the work can be gone on with.

4. The tanks above should be attended to without delay and be rendered safe before the monsoon of 1875.

CAMP, AUTHUR, (Signed) JOHN MULLINS, Lieut.-Colonel, R E,
15th December 1874. Chief Engineer for Irrigation.

From Colonel F J MOBERLY, R E, Superintending Engineer, Chingleput, to Lieutenant-Colonel J MULLINS, R E, Chief Engineer for Irrigation, dated Guindy, 20th October 1874, No 2,476

I HAVE the honor to forward, for the sanction of Government, under Revised Chapter IV Clause II, paragraph 9, an estimate, amounting to Rupees 3,581, for closing breaches and repairing injury in the Chengatur tank, which exceeds the average revenue derived from the tank

No 243 ORDER THEREON, 14th January 1875, No. 113

IRRIGATION, No. 31.

PENDING the preparation of revised estimates for the Chengatur Tank, in the Madranticum Taluq of the Chingleput

District, which when received can be disposed of by the Chief Engineer for Irrigation if they do not exceed materially the amount of those submitted, the following approximate amounts are sanctioned in order that the repair of the tank may be gone on with —

Repairs, including nanel planting	Rs.
Minor New Works	2,830
	1,467

the former will be a Revenue, and the latter a Capital, charge

(True Extract)

Colonel, R E

Secretary to Government

To the Chief Engineer for Irrigation
.. Superintending Engineer Chingleput
.. Controller of Public Works Accounts

Exd S T Austin

Spare Copies

No 3600 99

Memo

37

Requested for reference the following papers

Estimates & Plans of Sections of Chengatur

Tank Sanctioned in G.O. No. 113 of 14th January 1875.

+ 2 Plans and One Detail Estimate were supplied 9-2-75

Sup^r Engr. Office Ching^r
Guindy
8th February 1875.

Christiano Head Clerk
Sup^r Engr. Office Ching^r

To The Chief Assistant & Registrar
to the Secretary to Govt. P.W.D.

1894-550
474-

Proceedings of the Madras Government, Public Works Department,
14th January 1875.

Repairs	...	...	...	...	Rs
Navel planting ..	...	...	...	...	2,580
Minor New Works	...	...	...	...	250
	...	...	...	...	1,467

and in the meantime the work can be gone on with

4. The tanks above should be attended to without delay and be rendered safe before the monsoon of 1875.

To the Chief Engineer for Irrigation
.. Superintending Engineer Chingleput
.. Controller of Public Works Accounts

Exd S T Austin
Spare Copies

MEMORANDUM.

Requested for reference the under-mentioned papers :-

*Ch. Enggr R No 1966 & 2105 of 1874
disposed of a Sd No 113. 14 January/55.*

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

2 - 1 - 1875.

L. W. Hamilton
Head Clerk.

To

The Registrar of the

Project

1894-550
474-550

72
No 1049.
Notes by the Chief Engineer for Irrigation.

Indo 6

The following estimate has been submitted for sanction by the Superintending Engineer Chingleput.

Chengattur Tank - Estimate Rupees 4297
of which the provision for repairs is Rs 3581

" " " " " an addition
to the North Sur.
plus Weir " " 716

Adjacent area " Acres 523.

" " assessment " Rupees 1834.

Average revenue " " 1768

Highest " " 1808

Rupees 916 were expended in repairs
in 1873-74.

This tank was breached in 1872 and repaired evidently very inadequately. It breached again in this year, and the present estimate is intended to make it safe and efficient. The catchment basin is estimated to be a little under

1894-550
474-585

under 14 square miles, and there are 13 Tanks, many of which are but little more than ponds, above it. The maximum flood discharge may be taken to be 3000 Cub. Ft. a second and with the bund, as intended, 5 feet above surplus weir level $2\frac{1}{2}$ feet of water may as a maximum be allowed to go over. There are considerable facilities for providing ample water way, and a total length of 270 feet of escape may be allowed. 100 feet of this will be given at the South end, where water has customarily been discharged over hard ground, and the 50 feet Calingulati at the North end should be converted into a flush escape and be extended to 170 feet. What the Rupees 716 provides for in the way of escapes is not clear, and the Superintending Engineer, though reminded in this Office Memo: No. 883 of the 30th October of the necessity for the

estimate to be submitted to Government providing for all the requirements of the tank, has omitted to forward the necessary information. On the other hand no advantage of moment, but a good deal of additional money spent, would result from making the interior slopes 4 to 1. The Range Officers hope that the wash would not destroy such slopes is illusory, and the proper way of protecting the slope is to plant a wide belt of navel or other long grass upon it, from M.W.L. downwards to at any rate 6 feet and probably 8 feet below F.T.L. On the survey of the tank no scale has been given, but I should judge that nearly $\frac{1}{3}$ of the items for earth-work and tamping are due to this long slope and that 1000 Rupees may be deducted from the repair estimate if the slopes be reduced to $2\frac{1}{2}$ to 1 where the water is more than 6 feet

P. W. 1874 Sept.
 Arrived for duty.
 No 8035.
 From.

The Chief Engineer
for Irrigation.

Dated 15th } Dec 2/74.
Recd 22nd }
No. 1049.
Encl. 6+

Note on an Estimate
Submitted by the Super:
Engs. Chinglet for
the repair of the —
Chengatw Tank.

Elc No 113.14-1-25

Op 242

10.26 Nov 71

Mr. Secretary to Government.

P. H. DePue 135
 Proceedings of the Board as read.
 Read the following:
 From the Chief Engineer
 for Brighton } (H. E. No. 1049 of 15th
 Dec 17/6)

Pending the preparation of revised estimates for the Chengalur Tank, in the Madras District of the Chingleput District, which when received can be disposed of by the Chief Engineer for Irrigation if they do not exceed materially the amount of those submitted, the following approximate amounts are sanctioned in order that the repair of the Tank

25, 12

✓ 2012-12-12/12/12

153

the former will be a
Revenue, and the latter
a Capital charge -

I found to which
 debit all of the
 named in future
 28/12 M

Chief Clerk for Genl. ✓
S. C. Chinglingput ✓
Controller with Ab. Estimate ✓
Dec^r 15/1/75.

8035

Govt. of Madras.
PUBLIC WORKS.

To
The Chief Engineer
- Irrigation

Out 1

Recd

1885

G. O. D. D. No. 713

No 242-242

Chengalur Tank

Chingleput Dist.

An approximate
amount of Rs. 4297
sanctioned for the re-
pair of the Tank.
Pending the preparation
of a revised Estimate.