

(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.	27/4	Press
B.P.—No:		Mis.—
Dated	30 - 10 -	C876 -195-

Not to be folded or roughly handled

Read the following :—

No. 236-W.

No. 505.

Note by the Chief Engineer for Irrigation.

WITH his letter as per margin, the Superintending Engineer, Chingleput, has forwarded estimates for three of the additional works included in the revised estimate for the Chembrumbaukum tank, which, in the form of a comparative statement, was submitted to Government on the 27th September 1876. These estimates are as follow, and they are now laid before Government in order that the objects of the several works may be understood. The correspondence as per margin has taken place.

2. The revetment already sanctioned was to terminate at 86.40, or at 1 foot above M.W.L. in the tank. In 1872, and again in 1874, the unrevetted slope of the bund above this level was considerably damaged by the wash of the waves, and, as there was a good deal of small stone out of the revetment of the old tank lying unused, it was considered desirable to make use of this for protecting the upper part of those portions of the bund which had been found to be most exposed to wash. The length of revetment to be raised to 88.40 is 4,240 yards, and extends from the Rooshi weir on the south to the Chetty sluice about the middle of the bund (*vide* tracing, dated 25th July 1876). Explanation of the rates entered has been given by the Range Officer. The necessity for taking the stone from the tank bed and stacking it on the top of the bund will add somewhat to the cost; but looking to the fact that the stone is for the most part small, the rates appear to be considerably higher than those at which similar work is done elsewhere.

3. This channel for some distance above the trunk road passes across low ground, and is not embanked. About half a mile to the eastward there is a ridge at from 82.70 to 83.00, full tank level being 82.40. When however the surplus weirs of the tank are discharging, water crosses this ridge, runs towards Poonamallee, breaches the trunk road, also finds its way into the drainage channel below the bund and inundates land below the tank. It is therefore proposed to run a bank alongside the channel up to the tank road, with its top at 3 feet above M.W.L. which will correspond with the level of the road.

4. The requirements of the tank for the discharge of surplus have already been reported on, and this estimate provides for adapting the ground at the south end of the tank to serve as an additional escape on the occurrence of extraordinary rainfall. When the 15 feet project subsequently abandoned was in progress, some earth was thrown up at this place at which ground level is about 82.90 or 6 inches above F.T.L. It is intended to cut down the soil to 84.40 or to 2 feet above F.T.L. for a length of 600 feet to metal a width

Proceedings of the Madras Government, Public Works Department,
30th October 1876. No. 2,914.

of 18 feet for the road which runs close by and to add a little revetment, which latter should be placed at the edge of the roadway and not at the face of the bank. The rate for earthwork has been reduced from $1\frac{1}{2}$ to $1\frac{1}{4}$ Annas, but the latter is still excessive, for the lead will not be 35 yards as shown in the data, but will vary from nothing to about 20 or 25 yards according to the sketch section given. The soil was never hard soil, and will be easier to remove now than from the pits originally.

OOTACAMUND,
21st October 1876.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 506.

ORDER THEREON, 30th October 1876, No. 2,914.

IRRIGATION, No. 53.

Account.

THE works provided for in the estimates submitted are shown to be necessary, and the entry of the items in the revised estimate for the Chembrumbaukum tank is approved.

(True Extract.)

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

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

Exd. A. Grubert.
Spare Copies

N^o 236-W.

37

Note by the Chief Engineer for Irrigation

*Encls. 17.

N^o 2287-28 Sept
1876.

With his letter as per margin the Superintending Engineer, Chingleput, has forwarded estimates for 3 of the additional works included in the revised estimate for the Chembrumbaukum Tank which, in the form of a comparative statement was submitted to Government on the 27th September 1876. These estimates are as follow, and they are now laid before Government in order that the objects of the several works may be understood. The correspondence as per margin has taken place.

From S.E. N^o 647
23rd May 1876.
To do - No 36 CN
2nd June 1876.

Raising revetment
Rupees 3,360

2 The revetment already sanctioned was to terminate at 86.40 or at 1 foot above M.W.L in the tank. In 1872 and again in 1874 the unrevetted slope of the

bund above this level was con-
 siderably damaged by the wash
 of the waves and as there was
 a good deal of small stone
 out of the revetment of the
 old tank lying in need, it was
 considered desirable to make
 use of this for protecting
 the upper part of the portions
 of the bund which had been
 found to be most exposed to
 wash. The length of revetment
 to be raised to 88.40 is 1,240
 yards and extends from the
 Rasshi weir on the south to
 the Betty sluice about the middle
 of the bund. Video tracing dated
 25th July 1876. Explanation of the
 rates entered has been given
 by the Range Officer. The necessity
 for taking the stone from
 the tank bed and stacking it on
 the top of the bund will add
 somewhat to the cost, but looking
 to the fact that the stone is

No 1519. 16 Aug.
 1876. para 3.

the most part small, the rates
 appear to be considerably higher
 than those at which similar work
 is done elsewhere.

Embanking lower 3. This channel for some
 part of supply distances above the Trunk road
 channel (see Bengairao) passes across low ground and
 is not embanked. About half a
 mile to the eastward there is a
 ridge at from 82.70 to 83.00, full
 tank level being 82.40. When how-
 ever the surplus weirs of the tank
 are discharging water crosses
 this ridge, runs towards Poonamallee,
 breaches the Trunk road, also finds
 its way into the drainage channel
 below the bund and inundates
 land below the tank. It is there-
 fore proposed to run a bank
 alongside the channel up to
 the Trunk road, with its top at
 3 feet above M.W.L., which will cor-
 respond with the level of the
 road.

Supplemental 4
 to the south end
 of Tank.
 Rupees 585.

The requirements of the

vide 3 mly no. 281
2 February 1875
+ minus para 2 in
15 July 1875 no 26

Astacumund
 21st Oct. 1876

The Secretary to Govt. P.W.

689-3-71. No 705
 17-5-73 - 1377
 2-2-75 - 284
 18-7-75 - 2011.

P/NO.
 250076

From No 7699
 The Chief Engineer for Irrigation
 To The Secretary to Govt.
 P. W. D.

Dated 24th October 1876.
 Recd. 25th do

Encls 17.

N. 236-W.

Chembambatur Tank
 - Chingleput District -
 - Note submitting estimates
 for three additional works in-
 - cluded in the revised estimate
 for the — Submitted on the 27 Sep 76

N. 505

Public Works Department.

No 2914

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 30th Oct 76
 Read the following:—

Note by Mr. Ch. Engr.
 for Irrigation
 Mr. H. Ross W. of 21st Oct. 1876

The works provided
 for in the estimates
 submitted are shown
 to be necessary, and
 the entry of the items
 in the revised estimate
 for the Chembambatur
 Tank is approved.

by 23/10
 [Signature]

Chingleput
 Collector
 Ch. Engr. with 17 Encls
 Mr. H. Ross
 Recd. 27/10/76

Recd 27-10-76.

1899

Gobt. of Madras.

PUBLIC WORKS.

To The N. S. Chingleput

Dated (1)

Issued

Recd.

Encl.

G. O. 30 October 1876, No. 2014

Nos.

Memorandum

Chingleput

The N. S. Chingleput

to the N. S. Chingleput

to the N. S. Chingleput

End in 1899
10-11-96

111

18-11-96