

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

*AK***MADRAS RECORD OFFICE.****Government of Madras.***P. Subbarao* **DEPARTMENT.**
Gen. Secy. 20/4/60

G.O. No.	777	Press
		<u>Mis.</u>
<i>604/105</i>	Dated	17-4-1860

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.*

No. 104. Read the following letter from Colonel J. H. BELL, Chief Engineer, to J. D. BOURDILLON, Esq., Secretary to Government, dated Chepauk, 24th March 1860, No. 11,674:—

I have the honor to forward for submission to Government, an Estimate amounting to Rupees (1,510,) One thousand five hundred and ten, for completing the Stone revetment of the Rápúr large Tank in the District of Nellore. In the month of July last, the District Engineer forwarded for the sanction of this Office an Estimate amounting to Rupees 765, for the above work, which was returned to him for re-submission with full explanation as to its necessity, which he has given in the accompanying letter, dated the 21st February 1860, No. 360.

2. The Rápúr Tank is situated within five or six miles of the range of the Hills dividing Nellore from Cuddapah, and receives its supply from several streams, one of which takes its rise from the Rápúr ghât. The area of the Tank is about one square mile and its depth before the bund about 20 feet. It holds when full, no less than 10 millions of cubic yards, or, taking the rain fall into account, sufficient for the cultivation of one thousand seven hundred acres, and without the rain fall for 1,250 acres. The average of the past five years' revenue under this Tank is Rupees 2,474, and the highest during that period Rupees 2,607. The cultivation under the Tank in Fasli 1267 or 1857-8 was 515 acres including Circar and Inám land, and Captain Mullins is of opinion that it is practicable to extend it, considering the favorable situation of the Tank, which is close to the highest levels of the District.

3. Captain Mullins observes that there can be no doubt of a Tank of this description requiring revetting on the interior slope, for with a moderate breeze and a water spread and depth such as is in this Tank, the earthen bund which is unprotected by stone would be washed away in a few hours, and this has been experienced during the monsoon of the past two years. On an inspection of the Tank in December last, the effects of the rains, although unaccompanied by high wind, were found to have left hardly a yard of the interior slope uninjured, and when the Tank was once in great danger, the villagers to prevent a breach cut the bund at a most unsafe though customary spot.

4. The Estimate now submitted provides for 6,111½ square yards of new stone, and it has been revised in order to allow of the revetment being built one and half yard above full Tank level instead of one yard as at first proposed. The slope will be two to one up to two yards below full Tank level, and three to one from that to one and a half yard above that level. The top of the bund will be six feet above full Tank level, and the one and half yard above the revetment will be on a slope of two to one, and turfed. In addition to the above, 4,243½ square yards of revetment require re-building which will be done out of a repair Estimate.

5. This Tank, it is stated, possesses a fine Kalingal, and with the work proposed in the Estimate, and the bund completely repaired, it will be placed in a very efficient condition, capable of retaining a full year's supply, while the necessity for any cuts in the bund will be obviated.

6. The work proposed by Captain Mullins for improving the Tank is, I consider, very necessary, as it will thereby prevent loss of revenue and the expense of repairing damages which, in the present condition of the Tank, are liable to occur, and as the Estimate has been examined in this Office and found to be correct, I beg to recommend the same for execution from the repair funds for 1860-1.

No. 105. ORDER THEREON, 17th April 1860, No. 777.

The Estimate submitted with this letter is sanctioned; to be executed as recommended by the Chief Engineer, out of the repair funds of the Nellore District for 1860-1.

(Signed) J. D. BOURDILLON,
Secretary to Government.

Revenue Irrigation.

(New Work)

Abstract of Estimate No of 185 / 5

District Mithun

Talook Goondavole. Village Rapur

Work Constructing new Stone revetment to the large tank

Quantities.	Description of Work.	Rate.	Amount.	Amount of each part.
C. Yards.		Rs. A. P.	Rupers.	Rupers.
1000	New Stone revetment to the bund being 2000 Sq ^{rs} $\frac{1}{2}$ a yard thick from 1 Yard below to $\frac{1}{2}$ Yard above full Tank level at the deepest part of the Tank. Large Stone $\frac{1}{2}$ $\frac{1}{2}$	12	750	
1370 $\frac{1}{2}$	— Do — Do — being 4111 $\frac{1}{2}$ Sq ^{rs} of 1 foot thick above former Small Stone — Do	8	685	
	Extra Establishment			1135
	1 Goomastah for 5 months of month 8	8	40	
	Sundries			10
				35
			Total Rupers	1510

Central Office of P. W.

Chipsank

21st March 1860

J. H. Bell Colonel
Chief Engineer D. O.

[illegible]

Enclosure

By letter

From

The Chief Engineer
D.P.W.

To

The Secretary to Government
D.P.W.

Dated 24th March 1860

Received

NR 745/50.

N^o 11674.

Abstract Revised Estimate
for Constructing New Stone
revetment to the Raipur large
Tank in the District of Nellore

Amounting to Rs 1510-00

Central Office of Public Works
Chepauk 24th March 1860.

N^o 11674.

From

The Chief Engineer
To

The Secretary to Government
Public Works Department.

Sir,

I have the honor to forward for
submission to Government an Estimate amount-
ing to Rupees 1510, (One thousand five hundred
and ten); for completing the stone revetment
of the Raipur large Tank in the District of
Nellore. In the month of July last the
District Engineer forwarded for the sanction of
this Office an Estimate amounting to Rupees 765.
for the above work which was returned to
him for resubmission with full explanation as
to its necessity, which he has given in the
accompanying letter dated the 21st February 1860.

The Raipur Tank is situated
within 5 or 6 Miles of the range of the Hills
dividing Nellore from Buddapah, and receives
its supply from several streams, one of which
takes

Revenue
Irrigation

Enclosure 2
1 Letter
1 Abstract Estimate

Nellore

N^o 360.

its rise from the Rāpiur Ghaut. The area of the Tank is about ^{one} Square Mile and its depth before the bund about 20 feet. It holds when full no less than 10 Millions of cubic yards, or, taking the rain fall into account, sufficient for the cultivation of 1700 acres, and without the rain fall for 1,250 acres. The average of the past 5 years revenue under this Tank is Rupees 2,47/4, and the highest during that period Rupees 2,607. The cultivation under the Tank in fully 1267 or 1857/58 was 515 acres including circars and gram lands, and Captain Mullins is of opinion that it is practicable to extend it considering the favorable situation of the Tank which is close to the highest levels of the District.

3. Captain Mullins observes that there can be no doubt of a Tank of this description requiring revetting on the interior slope, for with a moderate breeze and a water spread and depth, ^{such} as is in this Tank, the earthen bund which is unprotected by stone would be washed away in a few hours, and this has been experienced during the Monsoon of the past two years. On an inspection of the Tank in December last, the effects of the rains, although unaccompanied by high wind, were found to have left

left hardly a yard of the interior slope uninjured, and when the Tank was once in great danger, the Villagers to prevent a breach cut the bund at a most unsafe though a customary spot.

4. The Estimate now submitted provides for 6111 1/2 square yards of new stone, and it has been revised in order to allow of the revetment being built 1 1/2 yard above full tank level instead of 1 yard as at first proposed. The slope will be 2 to 1 up to 2 yards below full tank level, and 3 to 1 from that to 1 1/2 yard above that level. The top of the bund will be 6 feet above full tank level, and the 1 1/2 yard above the revetment will be on a slope of 2 to 1, and turfed. In addition to the above 4243 1/2 square yards of revetment require rebuilding which will be done out of a repair Estimate.

5. This Tank, it is stated, possesses a fine balingulash, and with the work proposed in the Estimate, and the bund completely repaired, it will be placed in a very efficient condition capable of retaining a full year's supply, while the necessity for any cuts in the bund will be obviated.

b. The work proposed by Captain Mullins for improving the tank is I consider very necessary as it will thereby prevent loss of revenue and the expense of repairing damages which, in the present condition of the tank, are liable to occur, and as the Estimate has been examined in this Office and found to be correct I beg to recommend the same for execution from the repair funds for 1860/61.

I have the honor to be
Sir,

Central Office of Mr. Chepauk
24th March 1861 }
Your Most Obedient Servant
J. H. W. Colonel
Chief Engineer.

C. S. Lt. Col.
D. Chief Eng. & Clerk

Q 971 1860 Dep't
No. of Engrs 2000
No. of Engrs 745

From the Chief Engineer
of the Secretary of the
Public Works Depart

Dated 24th March 1860
No. 26 No. 116/74
Enclosure 2.

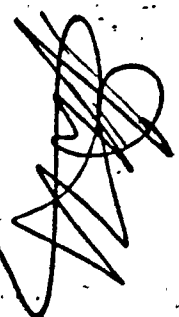
Submits for sanction
an estimate amounting to
Rs. 1500 for complete
the re-erectment of the
Railway large cant in the
Nellai District

No. 777. 17. 1860
With an order

No. 777.

The estimate sub-
mitted with this letter is
approved, to be executed
as recommended by the
Chief Engineer, out of the
repar funds of the
Nellai District for 1860/61.

No. 777. 17. 1860.
Chief Engineer
Nellai District
Dated 17. 1860



No. 104 & 105

No. 104 & 105