

(1) Number of pages 100

(2) Date of repair _____

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MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No. 3850

Press
~~Mis.~~

220-221

Dated 6-12-1867.

Not to be folded or roughly handledP/

*Proceedings of the Madras Government, Public Works Department,
10th December 1867.*

No. 220. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Department Public Works, dated Tanjore, 26th November 1867; No. 1,295 :—

1. I have the honor to forward an estimate of Rupees 1,400 for re-constructing the surplus sluice in the Nundalaur bank, near Tranquebar.

2. The original sluice was constructed in 1858-59, at a cost of Rs. 655-8-0; it is situated in the Nundalaur bank, almost opposite to the mouth of the river, and during the north-east monsoon, or when the sea is rough, the waves beat into the river mouth and up to the bank in which the sluice is situated.

3. The southern abutment and wings appear to have sunk bodily about three or four inches, and this under no extraordinary pressure apparently. The soil at the site of the sluice is of the worst possible description, and consists of alluvial deposit, and judging by the manner in which the sluice has given way, it is probable that the foundations have given way. I have not been able to ascertain the nature of the foundations of the sluice, nor the depth to which they were carried down, as neither the plan nor estimate is forthcoming.

4. The sluice is an important one, as it drains the land occupied by the salt pans at Tranquebar, and through it the trenches for the supply of salt water for the pans may be taken, if necessary.

5. The cause of the excess in the cost of the new work above the original estimate, is due in a measure to the fact that cut-stone is to be provided to face the piers and wings. It is absolutely necessary that, in the position in which the sluice is placed, all portions of the work exposed to the wash of the waves should be protected by cut-stone; plastering will not stand in such positions, and the bricks are soon worn away by the action of the salt water, and it is most difficult and expensive to repair such works.

6. The excess is also partly due to the rise of prices since 1858-59, and to the difficulty in obtaining fresh water in the neighbourhood.

7. As the working season in such a locality is necessarily limited, and as there is great difficulty in procuring materials at Tranquebar, I would solicit permission to allot Rupees 500 from Minor New Works under Irrigation for this work in 1867-68, to admit of the work being put in hand as soon as the season will permit. If no allotment is made till April 1868, it will not be possible to get in the foundations till early in 1869.

8. The sluice has two vents, 4 feet $\times$ 3 feet each, and is provided with self-acting shutters. The vents are sufficiently large to admit of the free discharge of the rain-fall on the small area drained by the channel, between the Nundalaur and Oopenaur rivers.

9. In re-constructing the sluice it may be found that the north abutment and wings are unshaken, and if they can be shored up and the foundations appear to be sound, a saving of about Rupees 600 may probably be effected; as, however, the existing work, with the exception of the sluice pier, is not lined with cut-stone, it would perhaps be true economy to re-build the sluice entirely.

*Proceedings of the Madras Government, Public Works Department,
10th December 1867.*

No. 221. ORDER THEREON, 10th December 1867, No. 3,850.

IRRIGATION, No. 11.

Under the explanations afforded by the Superintending Engineer of the 6th Division, His Excellency the Governor in Council approves of the estimate of Rupees 1,400 submitted with this letter for the re-construction of the Singanoday surplus sluice in the Mayaveram talook of the Tanjore District, and sanctions the appropriation of funds recommended in paragraph 7.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 6th Division.
„ Accountant General.
„ Controller of Public Works Accounts.
„ Revenue Department.

Exd. S. T. Augustin.

New Work

Tanjore District

Range No. 3 or Mayaveram Taluk

Abstract Estimate No. 1867-68

*work on Reconstructing Singanoday
Sluice*

Quantity	Description of work.	Rate	Amount	Amount of each part
5447 $\frac{29}{32}$	Fl. Brick in chunam — at —	23	766 1 9	
223 $\frac{7}{8}$	Di Cut granite Stone in chunam — at —	18	335 13	
333 $\frac{3}{4}$	Superf. Pointing — at —	8	1 10 8	
1259	Do. Plastering — at —	28	31 7 7	
	Refitting shutters and pier stones —		5	
	Demolishing Old work —		50	
	Excavating foundation & filling in —		25	
	Baling —		125	1340 1
	Sundries and Contingencies —		59 13	
	Total Estimate Rupees		1400	

*J. O. Hasted Captain R.E.
Executive Engineer*

*G. Morris
Collector.*

*Supers Office 6th Div
Tanjore 4th November 1867*

*F. Tate Captain R.E.
Superintending Engineer 6th Div*

Conf. to B. L.

17295 1887/88

Supr. Eng'rs Office & Co.
Fuzore 28th November/87

From
Captain P. J. Ekers, R.E.
Supr. Engineer & Co.
Colonel G. H. Dyer, R.E.
Secretary to Government
D. D. Y.

I have the honor to
forward an estimate of Rs. 1400,
for reconstructing the sluice
in the Mandalaun Bank near
Fuzore. The sluice
was constructed in 1858/59 at a cost
of Rs. 855-8-0; it is situated
in the Mandalaun Bank almost
opposite to the mouth of the River
and during the N.E. Monsoon
when the sea is rough the waves
beat into the River mouth and up
to the bank where the sluice
is situated. The Southern Abutment
and

17295 1887/88

17295 1887/88

and things appear to have sunk
bodily about 3 or 4 inches and this
under no extraordinary pressure
apparently. — The soil at the
site of the sluice is of the worst
possible description and consists
of alluvial deposit and judging
by the manner in which the sluice
has given way it is probable that
the foundations have given way. —
I have not been able to ascertain
the nature of the foundations of the
sluice or the depth to which they
were carried down as neither the
Plan or Estimate is forthcoming. —

The sluice is an im-
portant one as it drains the land
occupied by the salt pans at Trangre-
har, and thro' it the trenches for
the supply of salt water for the pans
may be taken if necessary. —

The cause of the excess
in the cost of the new work above
the original estimate is due in a
measure to the fact that Calstone

is to be provided to free the Piers
and Sluice. — It is absolutely —
necessary that in the position in
which the sluice is placed all por-
tions of the work exposed to the
wash of the waves should be pro-
tected by Calstone, plastering
will not stand in such positions
and the bricks are soon worn away
by the action of the salt water and
it is most difficult and expensive
to repair such works. —

The excess is also partly
due to the rise of prices since 1858/59
and to the difficulty in obtaining
fresh water in the neighbourhood. —

As the working season
in such a locality is necessarily
limited and as there is great diffi-
culty in procuring materials at
Trangrehar I would solicit per-
mission to allow Rs. 500 from
Minor New Works under appropriation
for this work in 1857/58 to admit
of the work being put in hand as
soon

As soon as the season will permit.
If no allotment is made till
April 1888; it will not be
possible to get in the founda-
-tions till early in 1889. —

The sluice has
2 vents 4×3 each and is provided
with self-acting shutters. The
vents are sufficiently large
to admit of the free discharge
of the rain fall on the small
area drained by the channel
between the Mundlaun and
Copenaun Rivers. —

In reconstructing
the sluice it may be found
that the north abutment and
wings are unshaken and if
they can be shored up and the
foundations appear to be sound
a saving of about Rupees 600 may
probably be effected; as however
the existing work with the ex-
-ception of the sluice pier is
not

not lined with cut stone, it
would perhaps be true economy
to rebuild the sluice entirely. —

I have the honor to be
Sir

Your Most Obedt Servt
W. H. Baker Captain R.E.
Supt Engineer 6th Division

3850

Public Works Department.

103850

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 10th Decr 1857

Read the following

From the Supy Engineer
of the 6th Div.

(Here enter No. 145 dated 26th Jan 1858)

Under the explanations afforded by the Superintending Engineer of the 3rd Division, His Excellency the Governor in Council approves of the estimate of Rs. 1400 submitted with this letter for the reconstruction of the Singanodan Surplus sluice in the Mayavaram Taluq of the Tanjore District, and sanctions the appropriation of funds recommended in

W. H. N.

12th Decr 1857

The Secy to Govt

The Secy to Govt

13th Decr 1857

13th Decr 1857

13th Decr 1857

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To
The J. C. ... 6th ...
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220 2221
P. W. 1867. Department.
Proc. of Govt. for December
No. 3857

PROCEEDINGS OF GOVERNMENT *of Madras*

Dated 10th December 1867

Approving of the Estimate
of Rs. 1400 for the re-construction
of the Singanodan
Surplus Sluice in the Manna
Mann Taluk of the Tanjore
District and sanctioning
the proposal for carrying out
the work during 1867/68.

- Ck 220-221

1867-68