

(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. 1210	(W)	Press Mis.
Dated 7-4-	1877.	

Not to be folded or roughly handled

No. 211. Read the following letter from Colonel F. J. MOBERLY, R.E., Superintending Engineer, Chingleput, to the Chief Engineer, Buildings and Roads Branch, dated Sydapett, 5th April 1877, No. A.

I HAVE the honor to report, that as desired in G.O., No. 1,095, of 31st ultimo, I have begun to open the bar at Ennore
One Plan. in the spot where it was cut in January 1876, marked K. I pointed out the objections to this site at the time; objections which, I believe, increased considerably the cost of the operation.

2. These objections are, I believe, even better grounded now. During some months the Salt Department have thrown into the river at high water a very considerable quantity of sand, which has now almost completely filled the bay to the northward.

3. I have pencilled roughly the small stream ways by which water running through the shoal reaches each day the river proper; there was from 1 to 2 feet depth in the lower part of these yesterday when we began, while the reach 500 yards long near the sea was quite dry, except at nearly high water.

4. The water is now 4 feet below M.S.L., if the standard taken from the fort is correct.

5. I propose to deepen the whole cut to the level of Shadienkupam Lock sill, or 6 feet below M.S.L. if I can, protecting it from the sea by a bank at present which I shall remove a few days hence to a line in the sea 1 foot below low water mark, where it will be made up of sand bags and stakes. I propose running a groyne of the same materials as far as I can into the surf on the south side of the outlet, to protect it from the wave.

6. About $1\frac{1}{2}$ hours before high water on the 13th I hope to have the sea 4 feet higher than the water in the channel, and thus to procure a rush by the sudden removal of the sand bags, &c. I have no experience of opening a bar by the action of the sea, and am very much afraid of the large quantity of sand that it will carry in. If the body of water (very narrow, it must be remembered) is spread over this shoal of sand, some acres in extent, I fear its force will be very much spent, and that there is no possibility of any ebb tide acquiring force enough to get out and scour.

7. The channel through which it must pass is 1,920 feet long, and is very narrow near the mouth, where the clearances of months past have produced two high banks; 500 feet more will carry it to the river.

8. At the cut prepared in 1875 the beach is 715 feet wide, at that of 1874 it is only 651; on the inside of both these is deep water, into which the sea can run with much less friction than it will over the sand.

9. I would urge on your consideration the advisability of opening the mouth at one of the latter points, as I believe it will afford a far better prospect of success than the cut at the site of 1876.

10. I should be glad if it could be managed to plant the bay to the northward, and so confine the outlet and probably ensure its keeping open.

Proceedings of the Madras Government, Public Works Department,
7th April 1877. No. 1,210.

No. 212.

ORDER THEREON, 7th April 1877, No. 1,210.

CIVIL WORKS, No. 19.

THE Government adhere to their
decision already communicated, and
desire Colonel Moberly to carry it out
without delay.

(True Extract.)

Colonel, R.E.,

Secretary to Government, P.W.D.

R. A. Super Engineer Office Chief Engt
Sydney 5th April 1877.

From
The Superintending Engineer
Chief Engt

The Chief Engineer
Roads and Buildings Branch

Sir,
I have the honor to report that as
desired in G.O. No. 1095 of 31st March I have
begun to open the bar at Ennore in the spot
where it was cut in January 1876, marked
K. I pointed out the objections to this
side at the time, objections which I
believe increased considerably the
cost of the operation.

2. These objections are I believe
even better grounded now. During
some months the Salt Department
have thrown into the river at high water
a very considerable quantity of sand,
which has now almost completely filled
the bay to the northward.

3. I have pencilled roughly the
small stream ways by which water
running through the shoal reaches
each day the river proper, there was
from 1 to 2 ft depth in the lower part of
these yesterday when we began, while
the reach 500 yards long near the sea

I have the honor to be

Sir,

Your most obedient servant

Yours truly, Colonel R.B.

Superintendent of the

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Roads and Buildings Branch

P.W.D.

9 APR 77

From No 3606

The Superintendence
Chingleput
To the Chief Engineer
Roads & Buildings Branch

Dated 5th } April 1877
Received }

R. A.

Enclosure 1. X
Plan given to the
Engineer has.

Requests to inform
of the opening the mouth
of - at the points men-
tioned in the letter where
it will afford a far
better prospect of
success than the
cut at the side of 1876

No 1210

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

7th April 1877

Read the following:—

The Superintendence } (H.E. Sec. of 5 April 1877)
Chingleput }

The Government
adhere to their decision
already communicated,
and desire Colonel
Moberly to carry it
out without delay.

Wk
7.4.77

S. L. Chingleput

Impd 7/4/77
Revenue Dept

W. A. P.

Decision to cut the
bank at the
mouth of the river
shall be the
order of the
Government.

Not say that the
Government & their
decision already
communicated to
Mr. Moberly to
carry it out
without delay.

407 & 411/77 100 211

Co 3696
Sept. of 1877; India.

PUBLIC WORKS.

To *the D. S. Chinglaput*

Dated
Issued
10/4

Recd. Encl.

G. O. 7th April 1877, No. 1210

Nos. 211-212

Remove Bar. The Supy
Mys Chinglaput directed
to carry out without delay
the decision of Govt already
communicated regarding
the opening of the —

Done in Mys