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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	2500	Press.
B.P. No.		Mis.
Dated	3.5-1877	197

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.)

(Signed) E. A. FOORD, Colonel, R.E.,

Secretary to Government, P.W.D.

(True copy)

E A Ford Col^l R.E.
Secy to Govt P.W.D.

To the District Engineer, Chingleput.

Revenue Dep^t

Exd. S. T. Austin.

Spare Copies

name of
No 2352
Govt. of (1877) Madras.
PUBLIC WORKS.

To
The DISTRICT ENGINEER,
CHINGLEPUT

Dated April 7th.

Issued

Recd. *2 May 77* Encl.

G. O., 7th April 1877, No. 1,210.

Do Miss
APRIL

Nos. 211-212.

No 2500.
Comm. to the
Board of Revenue

3 May 77-

Ennore Bar.—The Superintending Engineer, Chingleput, directed to carry out without delay the decision of Government already communicated regarding the opening of the —

28th May 1877 Revenue 2-1-77