

(1) Number of pages 61(2) Date of repair 6/12/67

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	3819	Press
		~~Mis.~~
	160-161	
Dated	7-12.	1867.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
7th December 1867.*

No. 160. Read the following Proceedings of the Madras Government in the
Marine Department :—

Communicating a letter from the Superintendent
of Marine, stating that the groynes proposed
to be erected on the Vypeen side of the
harbour of Cochin should be of stone. } (Here enter 2nd December 1867, No. 303.)

No. 161. ORDER THEREON, 7th December 1867, No. 3,819.

CIVIL WORKS, No. 30.

Communicated to the Superintend-
ing Engineer of the 7th Division, with
reference to the Order of the 25th
November 1867, No. 3,645.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.
.. Controller of Public Works Accounts.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Marine Department,
2nd December 1867.*

No. 1. Read the following letter from the Superintendent of Marine, to the Chief Secretary to Government, Fort Saint George; dated Madras, 27th November 1867, No. 3353.

Referring to Proceedings of Government of the 16th instant, No. 289, I have the honor to inform you, that after carefully considering the proposal of Colonel Walker for retaining the line of coast on the Vypeen side of the harbour of Cochin by erecting small wooden groynes, I am of opinion that they are much too slight to withstand the force of the sea on the Malabar coast. They are to be but of three feet in thickness, the posts being driven $7\frac{1}{2}$ feet into the sand, and I believe they would be washed away in the first heavy monsoon sea. At Madras, when the pier was under construction, eight feet in perpendicular height of sand were washed away in one night.

2. I am satisfied that groynes would be of much service on the Vypeen side, in the positions which Colonel Walker has selected: they would extend the beach and thus check the escape of the freshes laterally, thereby throwing the force of the current more into the ship channel. But to be permanent they must, I believe, be constructed of stone.

No. 2.

ORDER THEREON, 2nd December 1867, No. 303.
Communicated to the Public Works Department.

(True Extract).

[Signature]
Chief Secretary.

To the Public Works Department. ✓

Exd. J. Tulloch.

[Signature]

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