

MADRAS RECORD OFFICE.

Government of Madras.

Marine DEPARTMENT.

G.O. No.	426	Press
		Mis.
Dated	30 8	1859

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Marine Department,
from 27th August to 2nd September 1859.*

No. 9. Read the following letter from Lieutenant Colonel C. LAWFORD, Deputy Chief Engineer, Central Circle in charge of Central Office of Public Works; to the Secretary to Government, Public Works Department, Fort St. George, dated 11th August 1859, No. 3710.

(Marine.)

No. 426, dated 24th February 1859.

Enclosures 5.

2 Original letters.

2 Plans.

1 Abstract Estimate.

I have the honor to acknowledge Extract Minutes of Consultation, marginally noted, and to forward an Estimate, amounting to Rupees 376, for driving a Teakwood Pile fitted with Copper sheeting, for marking the rise and fall of tide at Cochin, as a Screw Pile as recommended by Lieutenant Taylor cannot be procured at Beypoor.

2. Lieutenant Taylor in paragraph 13 of his letter, to the Chief Secretary to Government, No. 7, 24th January 1859, suggests, that this Pile with a screw at its heel should be screwed in alongside the Master Attendant's jetty, as a future guide or bench mark.

3. On receipt of the Estimate* for the Teakwood Pile, from the District Engineer the case was submitted for the opinion of the Superintendent of Marine, who replies† that the Pile appears to be strong and likely to stand well, but that he does not perceive the necessity

*No. 197, dated 30th June 1859, from the District Engineer Malabar.

†No. 3011, dated 30th July 1859.

as the rise and fall of the tide might be equally well shown on the side of the Government jetty, close to which the Pile is to be driven, in which opinion I entirely concur, as I do not see the necessity of driving a Pile on which annually the depths in feet will have to be painted which might be equally as well marked on the side of the jetty.

4. The bank of the river has been periodically protected by throwing in Oyster shells and occasionally ballasting, which has in a slight measure counteracted the encroachments made by the tide and ground swell, the Sea has however gradually gained ground, and is washing away the river face of the Town. The District Engineer proposes the construction of a Wharf 200 yards in length to be thrown out 34 feet into the Harbour in 16 feet water at low tide, at which Vessels might lie alongside, load and unload at low water.

5. This is an expense, which I believe Government are not prepared for in the present financial crisis, nor indeed at any time, when a Pier might be thrown out and would answer the purpose very nearly as well, be constructed with less difficulty, and at a much less cost. I would recommend therefore that the revetment to the river bank be strengthened where required, and that a Pier be thrown out into 16 feet water at low tide, the site to be fixed upon by the District Engineer in connection with the Master Attendant, as also the best method of construction; granite stone can be procured at the rate of Rupees 4 per cubic yard, but the better plan would perhaps be with Screw Piles which must be procured from England, or Teakwood Piles cased in Copper sheeting, and strengthened by braces, cross ties, &c.

No. 10. ORDER THEREON, 30th August 1859, No. 426.

Under the opinion given by the Deputy Chief Engineer and the Superintendent of Marine the project of setting up the Teakwood Pile need not be carried out.

2. The Chief Engineer should submit an Estimate of the cost of the revetment required—paragraph 5—for strengthening the river bank—and the opinion of the Superintendent of Marine will be called for on the proposed Pier. The Government are not prepared to entertain the proposal for a Wharf.

(Signed) T. PYCROFT,
Chief Secretary.

2-
No. 426 - 30 August 1859.

Under the opinion given by the
Deputy Chief Engineer & the
Superintendent of Marine the
project of setting up the teak wood
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mit an Estimate of the cost of the
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The Chief Engineer - with Enclosure pat.
" Superintendent of Marine.
" Sub. Wks. Dept.

PW Pro: 25 Feb 59 No 126
Mar Pro: 15 " " " 9 & 10

Marine. 1859. Sept 11
The Deputy Ch. Engineer
in charge of Office
of P.H.

Transferred to the
Marine Department

The Secretary to Govt
P.H.

J. H. Bowditch
Secy to Government

Fort St George
12 Aug 1859

Received
11 Aug 1859
No 3710
No 389
3 Encls. 2 plans.

Submitted with of plans
Plans and Estimate amount
ing to Paper 376 for drawing
a teak wood pile of 500
with Copper Sheeting for
marking the rise and fall
of tide at Cochin and
states that a Survey file
cannot be procured at
Beyport.

18 Aug 59
R 29

With an Order