M.R.O. 1—77,068—6-8-31.

(1) Number of pages 6

(2) Date of repair

(3) Initials of the Repairer

# MADRAS RECORD OFFICE.

## Government of Madras.

## [illegible] DEPARTMENT.

G.O. No. Press Mis.

Dated 18 .

***Not to be folded or roughly handled***

*Proceedings of the Madras Government, Public Works Department, 7th June 1864.*

No. 146. Read the following :—

MINUTE BY THE HONORABLE THE PRESIDENT.

It is very desirable that steps should be taken next year to improve the state of the Coum, to retain as much water as possible in it and at the same time to provide a sufficient escape for the flood-water while a constant communication is maintained along the Beach. In order to this it will be necessary, in the first place, to establish a Tide-gauge, by which the mean level of the sea can be determined as well as the maximum rise and fall of the tide. With reference then to the data furnished by the Tide-gauge, sections should be taken on both branches of the Coum, so as to enable the Engineer to determine by actual observation the amount of water passing down the river when the Bar is open, both at low and high water. A bench-mark should be established near the outlet of the Coum for the purpose of affording a datum from which a section or rather sections may be made of the mouth of the river when the Bar is open, the best place for the Tide-gauge, which should be self-acting, would be at the extremity of the Pier beyond the surf.

*June* 1864. (Signed) W. T. DENISON.

---

No. 147. ORDER THEREON, 7th June 1864, No. 1,658.

Communicated to the Superintending Engineer, 4th Division, who will arrange for the erection of a self-acting Tide-gauge at the extremity of the Pier.

(True Extract.)

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

To the Superintending Engineer, 4th Division.

Exd. S. T. Augustin.

"the River, when the Bar is open, both at

Their recommendation that
steps should be taken next
year to improve the
State of the Comm - to
retain as much water
as possible in it &
at the same time to
provide a sufficient
escape for the flood water
while a constant com:
=munication is main:
=tained along the Beach
in order to the shoaling
up by sand in the
mouth of the Creek
& to establish a tide
gauge by which the
mean level of the sea can
be determined as well
as the maximum rise
& fall of the Tide. —
With reference to the
data furnished by the
Tide gauge Returns
should be taken on both
Branches of the Comm
so as to enable the Engi:
=neer to determine by actual
observation the amount
of water passing down
the River, when the
Bar is open, both at

low and high water -
a bench mark should be
established near the
outlet of the Cove for
the purpose of ascertaining
a datum from which
a section or sections sec-
tions may be made
of the mouth of the River
when the Bar is to be.
The best plan for the
survey which should be
diligently pursued would be
the extremity of the Pier
beyond the Bar.

JJD

1 Allowed 1864 - 6 1/2
9 do do - 210 - 21 - 76 -

1864 Dated
Rec. 2 June
No. 2447
Received by the
Honble the President

Dated June 3rd 1864.
Received 2 June 1864.

Suggesting the construction of a self acting tide gauge at the extremity of the Mersey Pier beyond the buoy.

No. 1658 - 7th June 1864.

Wood Bridges

No. 186-147

1658

No. 1658

Communicated to the Asst Engineer in Division who will arrange for the creation of a self acting tide gauge at the extremity of the Pier -

Chepstow 7th June 1864

To the Asst Engineer in Division

Wood

X 982

Desp. & Lmo.