

(1) Number of pages 16

(2) Date of repair 6 10 86

(3) Initials of the Referencer lwa

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS DEPARTMENT

G.O. No.		Press.
B.P. No.	263 W	Mis.
Dated	22. 1. 1879	197.

Not to be folded or roughly handled

N. S. S.

263
1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

22nd January 1879, No. 263 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 222. From J. W. RUNDALL, Esq., Acting Superintending Engineer, Fifth Circle, to the Secretary to Government, Public Works Department, dated Negapatam, 8th January 1879, No. 1,035.

With reference to G.O., No. 4,642 W, of the 6th December 1878, and to the note by His Grace the Governor regarding the Negapatam harbour, I have the honor to state that, in order to ascertain the level to which the tide water fills the lagoon, it will be necessary to establish a gauge outside the limits of the surf, and a second gauge inside the harbour. There is no jetty or other fixed point to which a gauge could be attached, and a structure of piles should, therefore, be put up, and the gauge erected on this. For this service a self-registering gauge will, I think, be essential, and it would give more reliable results if a second self-acting gauge could be put up inside the harbour; but, supposing a second self-registering gauge is not available, an ordinary gauge could be read in the latter case.

2. Please therefore inform me whether a self-registering gauge is available and can be sent down. We shall have to employ a boat to enable the party employed to make the observations get out to the gauge. If there is anything complicated about the gauge, it would be wise perhaps to send down a man who has been accustomed to work a gauge of this description.

3. It is advisable that the gauge should be got to work as soon as possible, so that observations for as long a period as possible may be made before the tidal creek is affected by local drainage, and if therefore a gauge is available I should feel obliged by your ordering it to be forwarded to Negapatam addressed to the Executive Engineer.

4. If it is considered that the gauge can be correctly observed by any one of ordinary intelligence, no special establishment will be needed for recording the observations, as I will arrange for an Overseer or Sub-Overseer being detailed for the duty.

5. Instructions for setting up and adjusting the self-registering gauge will, I suppose, accompany it.

If one is not available in the Public Works Stores or Marine Department Stores, one could probably be obtained from the G. T. Survey Stores in Calcutta. The only instrument of the kind I have seen is one erected by Colonel Branfill at Tuticorin jetty.

6. The other points noted by His Grace the Governor will be acted upon at once.

7. I should mention that the revised estimate for repairing the jetty forwarded with letter from District Engineer, Tanjore, No. 1,801, dated 9th August 1878, not having been sanctioned the Rupees 250 made available in G.O., No. 2,187 W, of the 17th May 1878, have been expended, and the resetting of the displaced stones is now at a standstill pending further provision of funds.

No. 223. ORDER THEREON, 22nd January 1879, No. 263 W.

WHILE a self-registering tide gauge fixed outside the surf would give more accurate results, the expense will be considerable, there being no pier or other available structure. It would seem sufficient for present purpose that simple means be adopted by observation of spring tides—high and low—on a marked post or pile driven in and visited by a boat at the proper times, and this should be provided at once; the cost would simply be the provision and fixing of one pile, and visiting with boat at the spring tides.

(True Extract.)

Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle

Exd. E. C. Shunker.
Spare Copies

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BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1879) Madras
PUBLIC WORKS.

To
The SUPERINTENDING ENGINEER.
FIRST CIRCLE

Dated January 22nd.

Issued

Recd.

Encl.

G.O., 22nd January 1879, No. 263 W.

JANUARY.

Nos. 222-223.

Observation of Spring Tides, Negapatam
Harbour. Proposes simple means for the

No 1035

Supp. Engr's Office 5th Circle
8th January 1879
Camp Negapatam

From

J. W. Randall Esq^r
As Supg Engineer 5th Circle

To,

Colonel C. A. Hood R.E.
Secretary to Government S.M.D.
Madras

Sir,

With reference to G.O. No
4,642 W of the 6th December 1878 and
to the Note by His Grace the Governor
regarding the Negapatam Harbour, I
have the honor to state that in order
to ascertain the level to which the
Tide water fills the lagoon, it will
be necessary to establish a gauge
outside the limits of the surf, and a
second gauge inside the Harbour. There
is no Jetty or other fixed point to
which a gauge could be attached, and
a structure of piles should therefore
be put up, and the gauge erected on

this. For this service a Self-registering gauge will I think be essential, and it would give more reliable results if a second self-acting gauge could be put up inside the Harbour; but supposing a second Self-registering gauge is not available, an ordinary gauge could be read in the latter case.

2. Please therefore inform me whether a Self-registering gauge is available and can be sent down. We shall have to employ a Boat to enable the party employed to make the observations get out to the gauge. If there is any thing complicated about the gauge, it would be wise perhaps to send down a man who has been accustomed to work a gauge of this description.

3. It is advisable that the gauge should be got to work as soon as possible so that observations for as long a period as possible may be made before the tidal creek is affected by local drainage and if therefore

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a gauge is available, I should feel obliged by your ordering it to be forwarded to Negapatam addressed to the Executive Engineer.

4. If it is considered that the gauge, can be correctly observed by any one of ordinary intelligence, no special establishment will be needed for recording the observations, as I will arrange for an Overseeer or Sub Overseeer being detailed for the duty.

5. Instructions for setting up and adjusting the Self-registering gauge will I suppose accompany it.

If one is not available in the Public Works Stores or Marine Department Stores, one could probably be obtained from the G. S. Survey Stores in Calcutta. The only instrument of the kind I have seen is one erected by Col. Braufill at Tuticorin Jetty.

6. The other points noted by His Grace the Governor will be acted upon at once.

7. I should mention that the revised Estimate for repairing the

263/5
The Jolly forwarded with letter from
District Engineer Tanjore No 1801
dated 9th August 1878. not having been
sanctioned the Rs 250 made avail-
able in G. O. No 2187 W of the 17th May
1878 have been expended, and the re-
setting of the displaced stones is now
at a standstill pending further pro-
vision of funds.

I have the honor to be
Sir

Your Most Obedt Servt

J. J. Manson

for Asy Supt Engineer
5th Circle

Buildings & Roads

No. of 22 January 177 No. 2638

From,

The Sup^r Engineer
5^c Circle

To,

The Secretary to Gov^t
P. W. D

No. 1035

Dated 8^e } January 1779.
Recd.

6 Dec 1878 No. 4624
17 May " " 2187 H

Regapattam Harbour

Suggests certain
arrangements for
ascertaining the
level to which the
tide water fills the
Lagoon -

Copy - R25-1-79

Public Works Department

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following:—

263
6

From

The Sup^r Eng^r Fifth } (No. 1035 of 8th Jan. 1879)
Circle

Which a self registering
tide gauge fixed outside
the pier & would give more
accurate results - the
expense will be considerable
there being no pier on

Under the restrictive
orders now in force
the proposal of the
Sup^r Engineer cannot
be sanctioned.

Elf

16.1.79.

The available structure -
is not sufficient for the
purpose that simple
means be adopted - by
stationing of spiriting levels
H. & L. on a marked point

L. & Fifth pile

visiting a pile driven in
the lagoon - this
should be done at once -
the estimate is small

...
one full - & rising
with boat at the ...

... 19/11

... 20/1

... 2638-22-1-79

...
... 21/1/79

his ...
... ..

... ..

B. & R. ...
Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 22 Jan 79

Read the following:—

From

The Supg. Engrs Fifth Circle } (M.C. No 1035 of 8th Jan 1879)

While a self
registering tide gauge
fixed outside the surf
would give more accurate
results, the expence will
be considerable, there
being no pier or other
available structure. It
would seem sufficient
for present purpose that
simple means be adopted
by observation of spring
tides - High and Low.

on a marked post or pile
driven in and visited by
a boat at the proper times
and this should be pro-
vided at once. the cost
would simply be the
provision and fixing of
one pile, and visiting
with boat at the spring
tides.

W.H.
21.1.79 GOF

S. E. Fifth pile
No. 6-2-79

263
8

Cm 226

Govt. of [1879] Madras

PUBLIC WORKS

To

Dated

Issued

Recd.

Encl.

G. O., 22 Jan'y 1879, No. 2636

Nos. 222-223.

Observation of Spring
tides, ~~Kanyakumari~~
Harbour. Proposed
simple means for
the —