M.R.O. 1—77,008—8-6-37.

(1) Number of pages 14

(2) Date of repair 18.2.44

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

T. M. C.

G.O. No. 548 Press / Mis.

335-36

Dated 16 2 1820.

Not to be folded or roughly handled

No. 335. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 4th February 1870, No. 3,854 :—

One section.
One copy of a letter, No. 545, dated 2nd February 1870.

With reference to G. O. of the 7th ultimo, No. 70, I have the honour to forward the accompanying section of the Coringa Light-house exhibiting the present method of working the revolving apparatus, together with copy of the letter from the Executive Engineer in charge, in which he refers to the arrangement he proposed for removing a part of the solid newel.

2. I beg to observe I cannot recommend Mr. Sage's proposal for adoption, as it appears to me very dangerous to remove any solid part of such a structure carrying a heavy weight above and liable to be acted upon at any time by the violent pressure of winds driven by a hurricane. This light-house has already been added to since its first construction, and it has consequently to bear a much greater strain than originally intended, having also to carry a much heavier lantern; and it is just at the extremity of this lever where this acts the removal of the solid masonry is proposed.

3. There is no doubt the Coringa light is now out of place altogether; its only use is to guide ships going out of the bay to sea. Coming up the coast any Captain of a vessel who knew anything of the locality would work his ship by the lead and keep her in at least ten fathoms of water until he had opened the bay and seen the shipping; but in ten fathoms of water and in hazy weather I doubt if the light could be observed at the distance with any confidence. As far as I can ascertain at present without further surveys, (our latest were made thirteen years ago,) the light should be placed nearly, if not quite, five miles further out towards the sea.

4. Cocanada is even now a port of the greatest importance to the country; the Superintendent of Telegraphs informs me it ranks in the sixth place in their statistics for all India. As the country is opened out year by year with our local funds and brought more and more into communication with the port its value and importance must increase, and ultimately there is little or no doubt a railway will connect it with Hyderabad and the Bombay lines.

5. With such prospects before us I cannot but consider it most inadvisable to keep patching up in one way or another the most important work in any port, and which is admitted on all hands to be no longer of much use in this locality. It is, therefore, in my opinion far better to set about seriously to determine where a new structure should be located, whether further out towards the sea or higher up the coast at or near Oopandah.

From G. S. SAGE, Esq., in charge of No. 1 or Eastern Delta Range, Godavery District, to the Acting Superintending Engineer, 1st Division, dated Dowlaishweram, 2nd February 1870, No. 545.

With reference to your Memorandum, No. 3,634, dated 18th ultimo, forwarding G. O., No. 70, dated 7th ultimo, I have the honour to forward a plan of the Coringa Light-house showing the method adopted for working the revolving apparatus as therein directed.

2. I have also shown in yellow the portion I propose to remove, using a ladder for ascent and descent in lieu of the stairs.

Proceedings of the Madras Government, Public Works Department
16th February 1870.

No. 336. ORDER THEREON, 16th February 1870, No. 548.

CIVIL WORKS, No. 42.

BEFORE taking this letter into consideration the Government desire to be informed whether, in consequence of it having been found necessary to arrange for the weight which gives motion to the new light apparatus of the Hope Island Light-house to descend outside instead of inside the column, any additional weight to compensate for the friction of the chain over the pullies has been applied, and whether, to obviate change of motive force according to the weight of chain run down, the drum on which it is made to be wound up is properly of the form of a cone like the "fusee" of a watch.

2. If no precautions of this nature have been adopted for working the apparatus efficiently and for securing the regularity of the intervals between the eclipses of the light, the Acting Superintending Engineer will state whether in his opinion they cannot be tried.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 1st Division.
,, ~~Marine Department.~~

Exd. A. S. Rodgers.

3

No 545 Dowlaiswaram Ex. Engr's Office 2nd February 70

From The Officer in charge
Gr or Eastern Delta Range Gd.

To, The Supg Engineer
1st Division

Sir,

With reference to Your Memo No 3634 dated 18th Ultimo forwarding G.O. No 70 dated 7th Ultimo, I have the honor to forward a plan of Coringa Light House shewing the method adopted for working the revolving apparatus as therein directed.

Encls: 1

2 I have also shewn in yellow the portion I propose to remove using a ladder for ascent and descent in lieu of the stairs.

I have &c &c

(Signed) J. C. Sage
Ex. Engineer

(True Copy)

Lieut. T. Hankin Major R.E.
A.S. Subg Engineer 1st Dn

SUPERINTENDING ENGINEER'S OFFICE, 1ST DIVISION

DOWLAISHWARUM, 4th February 1870

No. 3851

From

Major C. Pearson R.E.

Superintending Engineer

1st Division

To

Colonel C. A. Orpe R.E.

Secretary to Government D. P. W.

Madras

SIR,

With reference to P.W. of the 7th Ultimo No 70, I have the honor to forward the accompanying section of the Coringa Light House exhibiting the present method of working the revolving Apparatus, together with Copy of the letter from the Executive Engineer incharge, in which he refers to the arrangement he proposed for removing a part of the solid revol-

2 I beg to observe, I cannot recommend Mr Sage's proposal for adoption, as it appears to me very dangerous to remove any solid part of such a structure carrying a heavy weight above and liable to be acted upon at any time by the violent pressure of winds driven by a hurricane: this Light house has already been added to since it's first construction, and it has consequently to bear a much

J. Pearson

Inclosures 2

1 to 3 Sheets

Enclosures as
Letter, dated 30th Ult.
4th February 1870
Executive Engineer
1st Division
Cuddapah
Letter to Executive
Engineer
Cuddapah
2 Drawings

greater strain than originally intended,
having also to carry a much heavier Lantern,
and it is just at the extremity of this Lever where this
acts, the removal of the solid masonry is proposed.

3 There is no doubt the Coringa Light
is now out of place altogether, its only use is to
guide ships going out of the Bay to sea, coming
up the Coast, any Captain of a Vessel who knew
any thing of the Locality would work his ships
by the lead and keep her in at least 10 fathoms
of water until he had opened the Bay and seen
the shipping, but in 10 fathoms of water and in
hazy weather, I doubt if the Light could be
observed at the distance with any confidence:
as far as I can ascertain at present without
further Surveys. our latest were made 13 years
ago. the Light should be placed nearly, if not
quite, 5 miles further out towards the sea.

4 Cocanada is even now a port
of the greatest importance to the country.
the Superintendent of Telegraphs informs
me, it ranks in the fifth place in their
Statistics for all India. as the country
is opened out year by year with our local
funds and brought more and more into
Communication
with the port, its value
and importance must increase, and
ultimately, there is little or no doubt
a Railway will connect it with Hydrabad
and the Bombay lines.

5 With such prospects before us,
I cannot but consider it most inadvisable
to keep patching up in one way or another, the
most important work in any port, and
which is, admitted on all hands, to be no longer
of much use in this locality, it is therefore
in my opinion far better to set about de-
cisively to determine where a new structure
should be located, whether further out towards
the sea, or higher up the coast at or near
Cohanada.

I have the honor to be
Sir,
Your most obt. Servant
Wm. L. Fisher Major Bl.
A.S. Supt. Engineer 1st Dn

Public Works Department.

No 5485 54 9.

Proceedings of the Madras Government

Under date the 16th July 1870

Read the following

From The Agt. Superintending Engineer 1st Division

No 3854 dated 5th February 70

Referring this letter intercepted between the Government and the Engineer to be informed whether in consequence of it having been found necessary to strengthen for the weight which gives stability to the new light apparatus of the Rose Island Light House to descend outside instead of inside the column any additional weights to compensate for the friction of the chains over the pulleys will be required

Copy of Letter from the Agt. Superintending Engineer 1st Division No 3854 dated 5th February 1870

To the Secretary to Government P.W.D.

Dated 4th February 1870

Received 8th ditto

Requests instructions regarding G.O. No 70 of the 4th March the erection of the Carriage Light House with Station keepers for a Station

No 548 - 16 Aug 1870

Agd

applied and whether to obviate ~~the~~ change of motive force ~~that will~~ be ~~created~~ according to the ~~length~~ height of chain run down ~~the~~ drum on which it is made to be wound up so properly of the form of a cone like the "fusee" of a watch.

If no precautions of this nature have been adopted for working the apparatus efficiently and for securing the regularity of the intervals between the eclipses of the light, the Actuary

Supt Engr will state whether in his opinion they cannot be tried.

To The Asst Engineer 1st Dist

~~Alexandria Depot~~

Depot 18/2/70

Gac 535

Gobt. of 1870 [illegible]

PUBLIC WORKS.

To

The Superintending Engr
1st Division

Dated

Recd. 1 Encl.

G. O., 16 July 1870, No. 548.

Nos. 335-336

Hope Island Light House The body
Engr. gives 1st Lieut. requested to fur-
-nish certain information in con-
-nection with the new Light Appa-
-ratus of the Hope Island Light House