

(1) Number of pages 0(2) Date of repair 5-12-47

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works

DEPARTMENT.

G.O. No. 23 80	Press ~~Mis.~~
399-400	
Dated 16 - 8 - 18 65	

Not to be folded or roughly handled

2

*Proceedings of the Madras Government, Public Works Department,
16th August 1865.*

No. 399. Read the following Proceedings of the Madras Government in the
Marine Department :—

Intimating that the project of construct-
ing a cage for the protection of the
Santapilly Light-house may be aban-
doned. } (Here enter 10th August 1865, No. 173.)

No. 400. ORDER THEREON, 16th August 1865, No. 2,380.

CIVIL WORKS, No. 55.

Communicated to the Superintending Engi-
neer of the 1st Division, for information and
guidance.

(True Extract.)

(Signed) CHARLES, A. ORR, Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer of the 1st Division.
.. Officer in charge of the Store Department.

Erd. S. T. Augustin.

*Proceedings of the Madras Government, Marine Department,
10th August 1865.*

No. 10. Read the following letter from Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, Madras; dated Waltair, 11th July 1865, No. 504.

With reference to the Proceedings of Government, under date 16th ultimo,* I have the honor to forward the accompanying original letter from the Officer in charge of the Range in which the Santapilly light is situated.

Enclosure 1.
* No. 1683.

2. In his concise and able report, Serjeant Hudson proves that the idea of a protecting cage was a mistake, and that since the simple alteration made in the hinges of the Lantern itself, the light can be got at without exposing it to be blown out by the wind.

3. I have, therefore, the honor to recommend that the project be given up.

From Serjeant F. HUDSON, Executive Agent, Vizianagrum Range, to Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division; dated Vizianagrum, 6th July 1865, No. 31.

With reference to the Superintendent of Marine's letter (herewith returned), I have the honor to state that the Lantern of the Santapilly Light House is nearly a new one, and combines all the latest improvements in this kind of construction, having been made about 10 years ago, under the direction, it is believed, of Colonel Smyth, C. E., at that time in charge of the Madras Mint; at any rate the Machine is perfect and complete in itself, and the conditions on which it has been planned cannot be made to bend to suit the proposed alterations.

1st.—The objections to the cage are:—1st, glass of such an area cannot be had even in England (unless made to order) sufficiently strong to resist the pressure of the wind, and, if it could, its thickness would considerably diminish the luminosity of the light; 2nd, the cage is made to depend on the Lantern for support, and increases the vertical surface about 10 times,—therefore if the glass held, the stability of the whole would be endangered, and the Lantern has already been down once. It is intended to keep the shutters open, but then only one half of the whole surface can be open at one time, and I think the building, considering the shape of the roof, would fare worse in this case than it would if the shutters were closed, and the building presented to the wind nothing but exterior angles.

2nd.—There are other objections of less importance, such as the space that the cage would occupy, leaving hardly any room to stir; the employment of a ponderous opaque body like wood (the estimate gives the quantity), and with one stanchion or upright just in the axis of each light; the whole of this porous material would in course of time become saturated with oil making exceedingly nasty. Again, now in calm weather, the Lantern is surrounded with myriads of insects, which on a slight breeze springing up are driven away, but with the cage they would get inside and it would be impossible to dislodge them.

3rd.—The reasons assigned for wanting the cage were these two:—1st, that when the Lantern doors were opened the light was liable to be blown out; 2nd, to furnish a shelter for light keepers in rainy weather while wiping the reflectors. The Superintendent of the Light House has already remedied the first of these evils by altering the hinges of the doors, which alteration ensures that one or more of the doors can always be opened so as to exclude the wind; and this alteration is all that was ever required. With regard to the second, it does a man no harm to work in the rain for a few minutes, besides, with the cage the man would still be exposed to the rain more or less, besides running a chance of being suffocated. It is not strange that no one should have inquired how these things are managed elsewhere. It is quite certain that there is any necessity for opening the doors. If the cocoanut oil be filtered through sand, the wicks dipped in strong Vinegar, and attention paid to the height and shape of the wicks, and plenty of air admitted, the combustion ought to be perfect.

4th.—I beg to state that I do not know of a single advantage that will be gained by having the cage, and that I look upon the project as a mistake from beginning to end. There are two

*Proceedings of the Madras Government, Marine Department,
10th August 1865.*

kinds of lights—one where the lamps are protected by a Lantern made of metal and glass as at Santapilly, and the other where the lamps are protected by a glass house as at Eddystone and Madras; any attempt to combine these two plans at Santapilly will prove abortive.

(True Copy).

(Signed) J. G. RYVES, Captain, R. E.,
Suptg. Engineer, 1st Division.

No. 11.

ORDER THEREON, 10th August 1865, No. 173.

As it appears that the object to be attained by the addition of a cage to the Lantern of the Santapilly Light-House has been arrived at by a much simpler expedient, and as the cage was calculated to interfere very materially with the light thrown from the Lantern, the Governor in Council considers that the project may be abandoned.

(True Extract).

H. J. Constable
Chief Secretary.

To the Public Works Department.
" Superintendent of Marine.

Exd. J. H. Burns.

237 18865 Datto
Pro. of Govt. for August
1886

Pro. of Govt. for the
Marine Depto

27 10 1886
Recd 14 1886

1886

Anticipation
that the project of
constructing a cage
for the protection of
the Sadakillyaigh
Throne may be
abandoned

1886
Civil Works

2380

2380

Communicated to the
Superintending Engineer of the
1st Division for information and
guidance

Stork & L. George
16th Aug 1885

1885

18

2380
The Superintendent Engineer
of the 1st Division
Office in charge of the
Store Department

2380-16th Aug 1885

2380-400

2380-16th Aug 1885