

GOVT. OF FORT ST. GEORGE.

MARINE (1896) DEPARTMENT.

LETTER to the Right Honourable
the Secretary of State for
India.

Dated June 15th,

No. 8 of 1896.

FORWARDING, for information, a copy of the Proceedings of this Government giving cover to the progress report of the Madras Harbour Works for the quarter ending 31st March 1896, with a plan showing progress and present state of the work.

Marine (1896) Department.

G.O., No. 429 Marine

DATED 16 June 1896.

[Despatch Abstract.]

Lighthouse at Madras: Letter from the P.P. Officer stating that the result of the experiment made at the — with the best Coconut oil obtainable is not favourable to this oil being used instead of the mineral oil with the description of burners now in use, Recorded.

No. 429, MARINE, 16TH JUNE 1896.

MARINE DEPARTMENT.

From Commander H. A. STREET, R.I.M., Presidency Port Officer, Madras, to the Joint Secretary to Government, Marine Department, dated 9th June 1896, No. 1271/191 G.

The lighthouse mechanic, who is in temporary charge of the lighthouse, reports as follows:—

2. I have ascertained from the master attendant, Alleppi, that the cocoanut oil used at the lighthouse there costs about 11 annas 10 pies a gallon; but as the cost of freight from Cochin to Madras would bring the price of cocoanut oil up to about the same as that of mineral oil, and the burners would have to be altered to suit the oil, I do not consider that any advantage would be gained by using it.

ORDER—No. 429, Marine, dated 16th June 1896.

(True Extract.)

To the Presidency Port Officer.

Exd. T. K. Narayana Aiyangar.
Spare Copies

Gobt. of {1896} Madras.
MARINE.

Dated June, 16th.

Recd.

Encl.

G.O. No. 429, 16th June 1896.

JUNE.

Lighthouse at Madras

Letter from the Presidency Port Officer stating that the result of the experiment made at the — with best cocoanut oil obtainable is not favourable to this oil being used instead of the mineral oil with the description of burners now in use, recorded.

Marine (1896) DEPARTMENT.

FROM

THE PRESIDENCY PORT OFFICER,
Madras,

TO

THE SECRETARY TO GOVERNMENT,
~~PUBLIC WORKS~~ (MARINE) DEPARTMENT,
Madras.

No. $\frac{1271}{191}$ 9

Dated 9 June 1896.
Received

No.

G.O. 245. 46th April 1896

Subject.

Submitting report regarding
the experiment made at
Madras Lighthouse with
the cocoanut oil.

In the order

652
Recd 11-6-96

No 245-46 mar 98-6-96

9.24

10.6.96

Recd 29 mar 96 June 1896
Recorded.

11/6/96

The P.P.O.

N.S.

DESPATCHED

1 JUL 96

No. 1271/1914

Presidency Port Office,
Madras, 9th June, 1896.

From

Commander H. A. Street, R.I.M.,
Presidency Port Officer,
Madras.

To

The Secretary to Government,
Marine Department,
Chepak.

Sir,

With reference to para 11 of G.O. No. 245 Marine, dated 8th April, 1896, I have the honour to acquaint you, for the information of Government, that a careful experiment was made at the Madras Lighthouse last month with the best Cocoanut oil obtainable in the town, and the result, in my opinion, is not favorable to this oil being used instead of mineral oil, with the description of burners now in use. The illuminating power appeared to me to be inferior to that of the mineral oil, and this is also the opinion of the Deputy Conservator of the Port who carefully noted the appearance of the Light on the occasions that Cocoanut oil was being used.

The Lighthouse Mechanic who is in temporary charge of the Lighthouse reports as follows:--

"There was no body in the flame there being gaps in it: the wicks had to be raised between 3/16" to 1/4 in: high and the damper kept almost completely closed so as to get the flame to its proper height: this would be most dangerous with Mineral oil. The wicks were not trimmed in the middle of the night but if this had been done perhaps it might have improved the flame but then there would be the necessity of extinguishing the light for at least 20 minutes and this is objectionable. This morning some time after extinguishing

"the light and when about to clean the burner I found
"that the wicks were stuck to the oil-tubes by the oil
"thickening, and I was unable to raise or lower the wicks.
"The oil-tubes are very small and are likely to get clog-
"ged when the oil thickens, and when it does so in weather
"like this it must be much more in the wet weather. I
"am of opinion that the burner is not quite suited for
"cocoanut oil."

2. I have ascertained from the Master Attendant, Alleppi, that the cocoanut oil used at the Light-house there costs about 11 annas 10 pies a gallon, but as the cost of freight from Cochin to Madras would bring the price of Cocoanut oil up to about the same as that of Mineral oil, and the burners would have to be altered to suit the oil, I do not consider that any advantage would be gained by using it.

3. The best Cocoanut oil sold in Madras costs Rs2/ per gallon, and when this oil was in use here formerly no contractor would supply the quality required under Rs1/10 per gallon.

I have the honor to be,

Sir,

Your Obedient Servant,

H. A. Theet

Commdr. R.I.M.,

Presidency Port Officer.