

enc 4706

Govt. of 1894 Madras.
PUBLIC WORKS.

Dated

23/6/94

Recd.

Encl.

G.O. 23rd June 1894 No. 15514

Pamban Lighthouse

marine endorsement
on Presy. Port officers' letter
for the preparation of
revised estimate in
accordance with Mr
Ashpitel's Design for al-
terations to the —, Comd
to Subtg. Engineer VI Circle.

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23/6

INDEX
23/6

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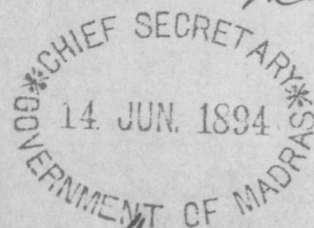
1894

From

W. C. R. E. D. S. R. E. S.
 CHIEF ENGINEER FOR IRRIGATION,

To

THE *Presiding Post-Office*
Madras



No. 292

Dated 21. 5. 94

Despatched

Received

ENCLOSURES. 9

Subject.

*Forwarding letter from Mr
 Asquith returning plans
 and estimate communicated
 with Pamban light-house
 with the remarks noted
 therein*

PUBLIC WORKS DEPARTMENT.

No. 1551 W. d. 23 June 1894.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

*Endorsement in Marine Dept
 on letter from the Presiding
 Post Officer, Madras, No.*

690 dated 12 June 1894. (H.E. No. 1230 d/18/6/94)
219

gent
B. T.
built work

*Communicated
 to the Superintending
 Engineer in Circle
 in view to the
 preparation of the
 required estimate.*

*S. E. M. Circle in the enclos.
 Marine dept*

S
20/6

Arms
19.6.94

P. W. CURRENT No. 4706
CURRENT NO.

Marine (1894) DEPARTMENT.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

CHIEF SECRETARY
14 JUN. 1894
No. 690
GOVERNMENT OF 219 4

Dated 12 } June 1894.
Received 14 }
Regd 14 }
Regd 22.6.94
No.

Enclosures. Enclosures to
C No 150.

Subject.

Forwards plan and letter
from Mr. Aohpitol with
a request that sanction
may be accorded to the
preparation of an estimate
in accordance with
Mr. Aohpitol's design
re Tambour Lighthouse.

Transferred

Mar go. 2168 11-6-94 mis
1708 8-5-94 "
1838 5-6-93 brief
1898 31-10-93 Routh
286 8-5-8-92 mis
188 8-3-6-92
798 9-4-92 Routh
264 8-2-12-91
490 7-20-10-91 mis
196 12-5-91 An
252 8-7-96 An

Endorsement No. 1230 d/18 June 94
H.E. the Governor 17 June

Approved and trans-
ferred to the Public
Works Department
with the request that
a revised estimate for
alterations according
to Mr Aohpitol's design
may be prepared at
an early date.

Hedrick Rice
Chief Secretary

215 B
15/6

in the accompanying plan the
light which under present
defective conditions has burnt
fairly well will fully meet the
wants of the port and it will not
then be necessary to carry out the
suggestion made by Mr Ashpitel
in para 10, of his letter, i.e. ^{to} send
the former Hope Island light to
Pamban.

3. The old Hope Island lantern
is now being set up with a view to
experiment with the Lindbergh
Lyster occulting apparatus. It
is not proposed to utilize this
lantern at Kundapur, vide my

no 1484/161 G dated 26th April 1894 and
no 140
5/5/94

no 1484/184 G dated 17th May 1894.

It will later on be required for

Tellicherry, vide my no 1693/1689

dated 5th May 1894. The former

estimate for raising the lantern

at Pamban amounted to Rs 1680.

The present one will probably be

somewhat higher.

I have the honor to be,

Sir,

Your most obedient servant,

Walter B. Webb

Commander, R. I. M.,

Presidency Port Officer

CURRENT NO 190

Marine (1894) DEPARTMENT.
Mar go. No. 189 31-10-93 Rph
From 183 25-6-93 D.C.
THE PRESIDENCY PORT OFFICER,
Madras,
To
THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

CHIEF SECRETARY
GOVERNMENT OF MADRAS
9. MAR. 1894

690 4
67 4

Dated 6th March 1894.
Received 9th
Enc. 7 (of which 3 are Plans)
No. _____

Dec 6.2
4206/94

Subject.

Forwards for
sanction an estimate
for Rs. 1680 for alteration
to lighthouse at
Pamban.

Mar go. 189 31-10-93 Rph

MADRAS 1517

7/14 March 1894 No 572
It is requested that
if not already done,
Mr Ashpitel may
be consulted and
in the matter and
his remarks sub-
mitted.

Reddick
Chief Secretary

CURRENT No 503

No. 690-219 4

PRESIDENCY PORT OFFICE,
Madras, 12 June 1894.

From Commander W.J. Powell, R.N.,
THE PRESIDENCY PORT OFFICER,
MADRAS,

To
THE CHIEF SECRETARY TO GOVERNMENT,
MARINE DEPARTMENT,
FORT ST. GEORGE.

SIR,
In forwarding a plan and letter
from Mr Ashpitel in connection with

the raising of the Pamban lighthouse

x vide marine Department
Reference No. 512 dated
14th March 1894 on Current
No. 190 herewith returned.

Lantern I have the honor to request

the sanction of Government to the

preparation of an estimate in

accordance with Mr. Ashpitel's

design, which meets all the require-

ments of the case.

2. With the alterations designed
in

in the Budget Estimate of 1894/95
owing to the information required
regarding the probable cost of the
work not having been furnished
until after the Budget had been
submitted, and there being at
the time some uncertainty as to
when the work could be taken in hand.

I have the honor to be,

Sir,

Your obedient servant,

H. A. Theet

Commander, R.I.M.,

Ag. Presidency Port Officer

PW62

189

No 292

29

From

THE CHIEF ENGINEER FOR IRRIGATION,

Forwarded

To

THE

Quadrant. Buchanan
at Madras

Chief Engr for Irrig.

31st May 1894

No.

Dated

Despatched

Received

ENCLOSURES.

Subject.

Heading.

No. 690-4
67

PRESIDENCY PORT OFFICE,

Madras, 6 March 1894

From

Commander H.A. Street, R.N.,
THE PRESIDENCY PORT OFFICER,

ag.

MADRAS,

To

THE CHIEF SECRETARY TO GOVERNMENT,

MARINE DEPARTMENT,

FORT ST GEORGE.

SIR,

With reference to G.O. Marine, R.N. 189 dated 31st October 1893, I have the honor to acquaint you for the information of the Government, that the Executive Engineer, Madura district, visited the Light house at Pamban with me during the early part of December last, and that the estimate and plan of the alteration to the lighthouse, which I now forward for sanction, have been prepared in accordance with the understanding then arrived at. The cost of the work, Rupees (1680) one thousand six hundred and eighty will be a general charge against port funds of the Eastern group district.

2. The sum has not been provided in

should be as I do not know details of the existing staircase or the position of the last step at + 98.12. The general idea is to make access to the lantern as easy as possible and to provide means of regulating the ventilation.

The door in the lantern pedestal and the entrance A to the service room should be on the land side. The former facing the point of the compass from which least wind is expected and the latter located so that the keeper shall have ample space to tend the light and ^{will} not be obliged to pass between the light and the sea when entering or leaving the lantern.

The spiral ladder in the service room should be arranged to occupy as little space as possible and may conveniently be fixed over the entrance A.

Before the matter is finally dealt with I would point out that the existing 6th order lantern at Pamben is too small for the apparatus but of sufficient size for the 6th order apparatus proposed to be installed at

at Kundapur. I would therefore suggest that the 4th order lantern said to be available for Kundapur may be transferred to Pamben and the 6th order lantern now at Pamben installed at Kundapur. Before sending the 4th order lantern to Pamben it may be as well to have it thoroughly overhauled and possibly fitted with an improved roof ventilator.

I have the honor to be
Sir

Your most obedient servant

Whishpith
28/6

Asst Chief Engineer for Irrigation
and Under Secretary to Govt.
P.W.D. Irrigation Branch.

I do not think any raising is desirable.

3. The object of the proposed alterations is to provide a service room and to improve the ventilation.

The former has, in the design submitted, been effected by raising the tower but the latter has not been improved either by providing windows in the service room or by improved ventilators in the lantern pedestal and roof. The obstruction to light by both lantern bars and outside railing also remains a maximum, and unnecessarily great, as there is not the slightest reason why the lantern should not be provided with a masonry pedestal and the outside railing fixed below the level of the top of the pedestal so as not to obstruct the light.

4. There is a great deal of unnecessary woodwork in the estimate all of which may with advantage be omitted.

5. I enclose a plan showing a proposed approximate section which I have prepared from such details as are available. It is not an easy matter to arrange for a service room in a tower of such small diameter

as

as Pambou lighthouse without considerable alterations to the existing building. In order to provide headroom the existing staircase must be demolished for a certain distance below the proposed service room floor and a steeper staircase provided otherwise it will be difficult to enter the service room by the opening A. This steeper staircase will also permit of a door being fixed as shown, to exclude draughts from the service room and lantern.

6. Above the service room the floor of which may conveniently be of cement concrete, access to the light room may be by an iron spiral ladder, which should be fixed so as not to interfere with the three windows in the service room which ordinarily will form the chief source of supply of air to the burner and lantern through the gratings which form the light room floor.

7. I have not intended to more than indicate what, in my opinion, the general arrangement of the tower

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1894} Madras.
PUBLIC WORKS.

Dated June, 23rd.

Recd.

Encl.

G.O., 23rd June 1894, No. 1551 W.

JUNE.

Pamban Lighthouse

Marine endorsement on Presidency Port officer's letter for the preparation of revised estimate in accordance with Mr. Ashpitel's design for alterations to the —, communicated to Superintending Engineer, VI Circle.

E. I. Form No. 20.

No.

OFFICE OF THE CHIEF ENGINEER FOR IRRIGATION,

Madras, 21st May 1894.

From

J. W. Ashpitel Esquire
CHIEF ENGINEER FOR IRRIGATION, & Under
Secy. to Govt. P.W.D. Irrigation Branch.

To

THE

Presidency Port Officer
Madras.

Thrs

The Chief Engineer for
Government of Madras

Enclosures.

SIR,

With reference to your letter
N^o 690 P.W. dated 17th March 1894, I have
the honor to return herewith the
plans and estimate connected
with Pamban Light house with the
following remarks

2. The optical apparatus is of
the 4th order (fixed) and probably
has an intensity of about 400
candles with a corresponding range
of about 14 miles. The height of the
Focal Plane is 97 feet above High
Water level which height is already
slightly in excess of requirements.
On this ground and also owing to
the remarks by Mr. Douglass regard-
ing the faulty design of the tower

vide my No. 1693/168 G., dated 5th May 1894. The former estimate for raising the lantern at Pámban amounted to Rs. 1,680; the present one will probably be somewhat higher.

ENCLOSURE.

From F. W. ASHPITEL, Esq., Assistant Chief Engineer for Irrigation and Under Secretary to Government, Public Works Department, Irrigation Branch, to the Presidency Port Officer, Madras (through the Chief Engineer for Irrigation), dated Madras, 21st May 1894.

With reference to your letter No. 690/50 P.W., dated 17th March 1894, I have the honour to return herewith the plans and estimate connected with Pámban Lighthouse with the following remarks.

2. The optical apparatus is of the 4th order (fixed) and probably has an intensity of about 400 candles with a corresponding range of about 14 miles. The height of the focal plane is 97 feet above high water level, which height is already slightly in excess of requirements. On this ground and also owing to the remarks by Mr. Douglass regarding the faulty design of the tower, I do not think any raising is desirable.

3. The object of the proposed alterations is to provide a service room and to improve the ventilation. The former has, in the design submitted, been effected by raising the tower, but the latter has not been improved either by providing windows in the service room or by improved ventilators in the lantern pedestal and roof. The obstruction to light by both lantern bars and outside railing also remains a maximum and unnecessarily great, as there is not the slightest reason why the lantern should not be provided with a masonry pedestal and the outside railing fixed below the level of the top of the pedestal so as not to obstruct the light.

4. There is a great deal of unnecessary wood work in the estimate, all of which may with advantage be omitted.

5. I enclose a plan showing a proposed approximate section which I have prepared from such details as are available. It is not an easy matter to arrange for a service room in a tower of such small diameter as Pámban Lighthouse without considerable alterations to the existing building. In order to provide headway the existing staircase must be demolished for a certain distance below the proposed service room floor and a steeper staircase provided; otherwise it will be difficult to enter the service room by the opening A. This steeper staircase will also permit of a door being fixed as shown to exclude draughts from the service room and lantern.

6. Above the service room, the floor of which may conveniently be of cement concrete, access to the light room may be by an iron spiral ladder which should be fixed so as not to interfere with the three windows in the service room which ordinarily will form the chief source of supply of air to the burner and lantern through the gratings which form the light room floor.

7. I have not intended to do more than indicate what in my opinion the general arrangement of the tower should be, as I do not know details of the existing staircase or the position of the last step at + 98.12. The general idea is to make access to the lantern as easy as possible and to provide means of regulating the ventilation.

8. The door in the lantern pedestal and the entrance A to the service room should be on the land side, the former facing the point of the compass from which least wind is expected and the latter located so that the keeper shall have ample space to tend the light and will not be obliged to pass between the light and the sea when entering or leaving the lantern.

9. The spiral ladder in the service room should be arranged to occupy as little space as possible and may conveniently be fixed over the entrance A.

10. Before the matter is finally dealt with, I would point out that the existing 6th order lantern at Pámban is too small for the apparatus but of sufficient size for the 6th order apparatus proposed to be installed at Coondapoor. I would therefore suggest that the 4th order lantern said to be available for Coondapoor may be transferred to Pámban and the 6th order lantern now at Pámban installed at Coondapoor. Before sending the 4th order lantern to Pámban, it may be as well to have it thoroughly overhauled and possibly fitted with an improved roof ventilator.

No. 292 M.

Forwarded.

OOTACAMUND,
31st May 1894.

(Signed)

R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

No. 1230, Marine.

Approved and transferred to the Public Works Department with the request that a revised estimate for alterations according to Mr. Ashpitel's design may be prepared at an early date.

(Signed) J. F. PRICE,
Chief Secretary.

18th June 1894.

ORDER—dated 23rd June 1894, No. 1551 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, in view to the preparation of the required estimate.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with enclosures.
„ Marine Department.

Exd. C. A. Manisawmy,
Spare Copies

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Commander H. A. STREET, R.I.M., Acting Presidency Port Officer, to the Chief Secretary to Government, dated Madras, 6th March 1894, No. 690/67 G.

With reference to G.O., Marine, R. No. 189, dated 31st October 1893, I have the honour to acquaint you, for the information of the Government, that the Executive Engineer, Madura district, visited the Lighthouse at Pámban with me during the early part of December last and that the estimate and plan of the alteration to the lighthouse which I now forward for sanction have been prepared in accordance with the understanding then arrived at. The cost of the work, Rupees 1,680, will be a general charge against Port funds of the Eastern Group districts.

2. The sum has not been provided in the budget estimate of 1894-95 owing to the information required regarding the probable cost of the work not having been furnished until after the budget had been submitted and there being at the time some uncertainty as to when the work could be taken in hand.

No. 512, Marine.

It is requested that, if not already done, Mr. Ashpitel may be consulted in the matter and his remarks submitted.

(Signed) J. F. PRICE,
Chief Secretary.

14th March 1894.

From Commander W. J. POWELL, R.I.M., Presidency Port Officer, to the Chief Secretary to Government, dated Madras, 12th June 1894, No. 690/219 G.

In forwarding a plan and letter from Mr. Ashpitel in connection with the raising of the Pámban Lighthouse lantern,* I

* *Vide* Marine Department Reference No. 512, dated 14th March 1894, on Current No. 190, herewith returned. I have the honour to request the sanction of Government to the preparation of an estimate in accordance with Mr. Ashpitel's

design which meets all the requirements of the case.

2. With the alterations designed in the accompanying plan, the light, which under present defective conditions has burnt fairly well, will fully meet the wants of the port and it will not then be necessary to carry out the suggestion made by Mr. Ashpitel in paragraph 10 of his letter, *i.e.*, to send the former Hope Island light to Pámban.

3. The old Hope Island lantern is now being set up with a view to experiment with the Lindberg Trotter occulting apparatus. It is not proposed to utilize this lantern at Coondapoor—*vide* my No. 1484/161 G., dated 26th April 1894, and No. 1484/184 G., dated 17th May 1894. It will later on be required for Tellicherry—