

- (1) பக்கங்களின் எண்ணிக்கை 24
 (2) புதுக்கித் திருப்பிய நாள் 10/1/91
 (3) ஆதாரங்குறிப்பவர் சுருக்கெழுப்பம் 10

தமிழ்நாடு ஆவணக் காப்பகம்.

(77)

தமிழ்நாடு அரசு

P-W-D துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1297	அச்சகம் பலவகை
நாள் :	11-5-1891	198 .

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மடிக்கலோ கண்டபடி கையாளலோ கூடாது

10 sheets (2 statements)

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From the Officiating Presidency Port Officer, to the Chief Engineer, Public Works Department, dated Madras, 30th April 1891, No. 1124/60 P.W.

In forwarding the accompanying letter to your address from the Superintending Engineer, I Circle, together with his notes of inspection of the Santopilly, Calingapatam, Vakalapudi and Hope Island lighthouses, I have the honour to observe as follows:—

Santopilly Lighthouse.

(a) The height of centre of lantern as ascertained and communicated to this office in January last by the Executive Engineer, Vizagapatam division, is 163·77 feet. This figure has been adopted in the Lights List and the figure given in the notes of inspection should be corrected.

(b) The renewal of the damaged lenses and prisms having been decided upon may be carried out though the damage does not perceptibly interfere with the light.

(c) The increased ventilation having been suggested by this office at the instance of Government on the recommendation of Mr. Douglass, Lighthouse Expert, the opinion of the Lighthouse Superintendent on the subject was uncalled for. The lantern will require much more ventilation when the more powerful lamps, which are shortly to be obtained from England, are brought into use.

(d) The door of the lantern might be fitted with a wire gauze screen similar to the one which was found satisfactory at Hope Island. Provision will be made for the necessary funds on an estimate being forwarded to this office.

Calingapatam Lighthouse.

(a) The light here is a fourth order dioptric port light showing 12 miles. The statement should be corrected accordingly.

(b) Orders will issue to the Port Conservator regarding the absence of the lightkeepers on the Superintending Engineer's visit. As the establishment is limited, every endeavour should be made to give an approximate date of an intended inspection.

Vakalapudi Lighthouse.

(a) Funds for the necessary repairs to lightning conductor, lightkeeper's quarters, &c., at Vakalapudi will be provided on an estimate of the cost being furnished me.

Hope Island Lighthouse.

It is not in contemplation to remove the light to another locality, but it is proposed to exhibit in lieu of it a fourth order dioptric light with a red sector in the direction of Sacramento Shoal from the summit of the present column shortly.

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, (through the Presidency Port Officer), dated Dowlaiswaram, 11th April 1891, No. 40 G.L.

Calingapatam, 10th February 1891.
Santopilly, 31st March 1891.
Vakalapudi, 7th April "
Hope Island, 8th " "

I have the honour to report that I inspected the lighthouses as marginally noted, and enclose my notes of inspection.

ENCLOSURE.

NOTES of Inspection of Calingapatam, Santopilly, Vakalapudi and Hope Island by the
Superintending Engineer, I Circle.

Lighthouse.	Class of light.	Height of centre of lantern above mean sea level.	Distance at which light is visible.	Object of light.	Remarks.
		FEET.			
Santopilly ..	Second order bright fixed white dioptric light.	173	Sixteen miles, but in clear weather light is reported to be visible 20 miles distant.	To warn mariners off the Santopilly reef.	The lighthouse and out-buildings are in good order, and no repairs required. The buildings have been recently white and colour washed by the Marine Department. The lighting apparatus is in good order, and appears to be carefully looked after. Six of the lenses and prisms are cracked, or have flaws. These lenses are in exactly the same condition as when first put up, and apparently do not impair the light, which is reported to be "very clear and bright." As, however, the Presidency Port officer has requested that these six lenses should be renewed, steps will be taken to procure them from England. Additional ventilators in the roof of the lantern have been applied for. The Lighthouse Superintendent deprecates more ventilation, as some of the ventilators have now to be closed in windy weather. The cost of five circular brass ventilators with damper arrangements would be trifling and could be fixed in the roof of the lantern, if the present ventilation is still considered to be insufficient. The Lighthouse-keeper suggests a perforated galvanised iron door in a moveable frame, to be placed in the doorway of lantern, so that in hot weather the lantern door may be kept open and the ingress of insects prevented. The lightning conductors have recently been tested and found to be in good order.
Calingapatam.	Second-class country light.	76	Eight miles ..	To warn mariners off the Satara reef.	The tower appears to be in good order, but as the Superintendent and lascars were absent, I could not go to the top of the tower. Improvements to the summit are reported to be necessary and the Executive Engineer has been ordered to frame an estimate for the same. I was unable to give notice of my inspection, but in any case some one ought to be left in charge during the day time to prevent damage to buildings, &c.
Vakalapudi ..	Fourth order dioptric white flash every 20 seconds.	83	Fourteen miles all round the compass.	To guide vessels clear of shoals off Point Gordewari.	Tower in good order. Machinery works satisfactory, and is kept beautifully clean. Optical apparatus was originally damaged in transit from Hope Island in 1886, but the flaws in the lenses appear to affect the light very slightly. Lightning conductor—the joints require to be soldered, and not merely rivetted to ensure a good electric joint. The conductor will be tested at an early opportunity. Lighthouse lascar's quarters—files of roof require shifting before rains, and one or two of the couples to be repaired.
Hope Island.	Sixth order dioptric white fixed.	86	Eight miles ..	To guide vessels clear of shoals off Point Gordewari.	Tower and lighting apparatus in good order. The lighthouse is now about 2½ miles inland: the dioptric apparatus is now said to be of the sixth order; this accounts for the difficulty of seeing this light out at sea. It is under contemplation, it is believed, to remove the lighthouse some 20 miles to the south. The lightning conductor will be tested at an early date.

11th April 1891.

(Signed) G. D. WYBROW,
Superintending Engineer, I Circle.

ORDER—dated 11th May 1891, No. 1297 W., Public Works.

Communicated to the Marine Department.

2. The attention of the Superintending Engineer, I Circle, is drawn to the remarks of the Presidency Port officer.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Marine Department.
" Superintending Engineer, I Circle.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated May, 11th.

Recd.

Encl.

G.O., 11th May 1891, No. 1297 W.

MAY.

Lighthouses

Remarks of the Presidency Port officer
on the notes of inspection of certain — by
the Superintending Engineer, I Circle,
communicated to the Marine Department.

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Notes of Inspection of Calingapatam, Santopalli Vakalapudi & Hope Island by the Superintending Engineer 1st Circle.

Lighthouse	Class of light	Height of centre of lantern above Mean Sea level -	Distance at which light is visible -	Object of light	Remarks.
Santopalli	2 nd Order Bright fixed white dioptric light	Feet 173	16 miles but in clear weather light is reported to be visible 20 miles distant	Towards Main-siners off the Santopalli reef	The light house and out buildings are in good order, and no repairs required. The buildings have been recently white & color washed by the Marine Department. The lighting apparatus is in good order, and appears to be carefully looked after. Six of the lenses & prisms are cracked, or have flaws. These lenses are in exactly the same condition as when first put up, and apparently do not impair the light, which is reported to be "very clear & bright" as however the Presidency Port Officer has requested that these 6 lenses should be renewed, steps will be taken to procure them from England. Additional ventilators in the roof of the lantern have been applied for. The Lighthouse Superintendent deprecates more ventilation, as some of the ventilators have now to be closed in windy weather. The cost of 5 circular brass ventilators with damper arrangements would be trifling, could be fixed in the roof of the lantern, if the present ventilation is still considered to be insufficient. The Lighthouse keeper suggests a perforated galvanized iron door in a movable frame, to be placed in the doorway of lantern, so that in hot weather the lantern door may be kept open and the ingress of insects prevented. The Lightning Conductors have recently been tested & found to be in good order.
Calingapatam	2 nd class Country light	76	8 miles	Towards Main-siners off the Satare reef	The tower appears to be in good order but as the Superintendent's house lascar's were absent, I could not go to the top of the tower. Improvements to the summit are reported to be necessary & the Executive Engineer has been ordered to frame an estimate for the same. I was unable to give notice of my inspection but in any case some one ought to be left in charge during the day-time to prevent damage to buildings.
Vakalapudi	3 rd Order Dioptric white flash every 20 seconds	83	14 miles	To guide vessels all round clear of Shoals the compass off pt. Gorda was.	Tower in good order. Machinery works satisfactorily, and kept bright & fully clean. Optical apparatus was originally damaged in transit from Hope Island in 1886, but the flaws in the lenses appear to affect the light very slightly. Lightning Conductor the joints require to be soldered, and not merely rivetted to ensure a good electric joint. The conductor will be tested at an early opportunity. Sighthouses lascar's quarters, tiles of roof require shifting before rains, & one or two of the couples to be repaired.

Notes of Inspection of Calingapatam, Santapalle, Takalapudi & Hope Island by the Superintending Engineer 1st Circle.

Lighthouse-	Class of light	Height of centre of lantern above mean sea level-	Distance at which light is visible-	Object of light-	Remarks.
Hope Island-	6 th order Dioptric white fixed.	86 feet	8 miles	To guide vessels clear of shoals off Pt. Garden.	Tower & Lighting apparatus in good order. The lighthouse is now about $2\frac{3}{4}$ miles inland; the Dioptric apparatus is now said to be of the 6th order, this accounts for the difficulty of seeing this light out at sea. It is under contemplation it is believed to remove the light house some 20 miles to the south. The lightning conductor will be tested on an early date. 11th April 1891 J. D. Wilson. Super^e Eng^r 1st Circle.

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JK

~~No. 1144~~ Presidency Post Office,
60 P. M. Madras 30th April 1896.

To The Chief Engineer, 1297
to Government.
Public Works Department.

Sir, In forwarding the accompanying letter to your address from the Superintending Engineer 1st Circle together with his notes of Inspection of the Santapilly, Calingapatam, Talakapudi and Hope Island Lighthouses, I have the honor to observe as follows:-

Santapilly Lighthouse -

(a) The height of centre of lantern as ascertained and communicated to this Office in January last by the Executive Engineer, Calingapatam Division is 163-77 feet. This figure has been adopted in the Lights List and the figure given in the Notes of Inspection should be corrected -

(b) The renewal of the damaged lenses

lenses and prisms having been decided upon may be carried out though the damage does not perceptibly interfere with the light.

(c) The increased ventilation having been suggested by this Office at the instance of Government on the recommendation of Mr. Douglass, Lighthouse Expert, the opinion of the Lighthouse Superintendent on the subject was called for. The lantern will require much more ventilation when the more powerful lamps which are shortly to be obtained from England are brought into use.

(d) The door of the lantern might be fitted with a wire gauze screen similar to the one which was found satisfactory at Hope Island. Provision will be made for the necessary funds on an Estimate being forwarded to this Office.

Calingapatam Lighthouse -

(a) The light here is a $\frac{1}{4}$ th Order Dioptric

Dioptric Port Light shewing 12 miles. The statement should be corrected accordingly. - 2 P

(b) Orders will issue to the Port Conservator regarding the absence of the Lightkeepers on the Superintending Engineer's visit. As the establishment is limited, every endeavour should be made to give an approximate date of an intended inspection.

Vakalapudi Lighthouse -

(a) Funds for the necessary repairs to Lightning conductors, Lightkeepers quarters &c. at Vakalapudi will be provided on an estimate of the cost being furnished me.

Hope Island Lighthouse -

It is not in contemplation to remove the light to another locality, but it is proposed to exhibit in lieu of it a $\frac{1}{4}$ th Order Dioptric light with

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Your Obedient Servant,

Daniel Dean

Captain H. M. S. I. M.

Offg: Presidency Port Officer

No. 40 G. L.

27 APR 91

FROM,

Encls 1
Inspection notes.

G. D. Wybrow Esquire

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 11th April 1891.

through the
Presidency Port
officer

SIR,

I have the honor to report that
I inspected the light houses as -

Balingapatam 10th February 1891
Santapalli 31st March 1891
Kakalapudi 7th April 1891
Hope Island 8th April 1891

marginally noted, and en-
close my notes of inspection.

I have the honor to be

Sir

Your most obedient servant

G. D. Wybrow.

Supg: Engineer I Circle

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FROM,

G. D. Wyborn Esq
SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

Throttles Presidency Post Office

DATED 11th April 1891.
DESPATCHED
RECEIVED

No. 40 G.L.

ENCLOSURES /

SUBJECT.

Lighthouses. Stating
that he has inspected the
Calingapatam, Santa Palle
Dakshinapudi and Hope Island
and enclosing notes of inspection

P.W. 4778/91

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PUBLIC WORKS.

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Dated

By

For

G.O. 11th May 1941 No 1297 W.

Light houses

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Post office and the
holes of inspection
of the main — by the
Sd I Civil, Canning
to the Marine Dept.

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