

- (1) பக்கங்களின் எண்ணிக்கை 20
 (2) புதுக்கித் திருப்பிய நாள் 6-30
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 10/19

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பெரியபுரம் துறை

அரசாணை எண்.	1728 W	அச்சகம்
மு. கோப்புத் தாள் எண்.	P. W. D.	பலவகை
நாள் :	1. 7. 1893	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

3.0.19

1728

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From A. A. G. MALET, Esq., Officiating Superintending Engineer, II Circle,
to the Chief Engineer, Public Works Department, dated 3rd June 1893,
No. 597 K.S.

As called for in your No. 5053 G., dated 4th November 1889, and No. 230 C.,
dated 16th January 1891, and as promised in para. 2 of this office No. 128 B.C.,
dated 26th August 1890, I have the honour to submit a report on Point Divi light-
house which I inspected on 30th May 1893.

ENCLOSURES.

REPORT on Point Divi light-house by Mr. A. A. G. Malet, Officiating Superintending
Engineer, II Circle.

Light.—In good order.

Lantern.—Every pane of glass has cracked and the cracks are mended with putty. I was
informed that new glasses had been procured but were found to be too small.
The wood packing inside the iron door is rotten and should be replaced. The hinges of the
door have worn and given slightly so that the door will not shut completely. New hinges are
required.

Masonry column.—In good order. The base for a few feet in height is plastered with
cement and the rest is plastered with ordinary mortar which is in very good order. It has been
usual to whitewash the column, but the whitewash does not stand and flakes off in patches when
the rains set in or after a few months' exposure. The Port officer painted two small patches as
a trial about one month ago and the paint has stood well and has not blistered. The Port
officer informed me that, when the whitewash came off in patches, it gave the column a mottled
appearance and made it very difficult to sight it from the sea. For this reason and because the
whitewash will not stand it would seem advisable to paint the column instead of white-
washing it.

Lightning conductor.—The existing conductor was condemned as faulty after being tested
by Mr. O'Connell, Executive Engineer, in December 1891—*vide* his letter No 334, dated 8th
February 1892. An estimate for a new conductor has been sanctioned and it will be erected
very shortly.

House at base of column.—This is a two-storied building and should be painted for the same
reasons as those given under "Masonry column." The light-keeper's room and superintendent's
rooms in the upper story should be plastered inside with cement as the existing common plaster
is falling off. The lower floor consists of four rooms—a store room, a bath room and two rooms in
rear. Of the two rooms in rear, one is occupied by the head light-keeper and the other by three
of the other light-keepers. The fifth light-keeper lives in the kitchen. The accommodation for
the light-keepers is insufficient. The Port officer tells me that the present superintendent who
is unmarried will shortly retire, and if relieved by a married man will require the two lower
rooms as well as the upper one. In this case there would be no accommodation at all for the
light-keepers. As all the light-keepers reside permanently at the light-house and do not take
turns, it would seem advisable to provide sufficient accommodation to enable them to keep their
families with them. To do this, five huts would be required.

Out-houses.—There are two kitchens which are in good order but require slight repairs. One kitchen is for the superintendent and the other for light-keepers, but, as the latter consist of small lean-to sheds of mud and thatch against the kitchen which look very unsightly and I doubt if this ought to be permitted. If separate huts were built for the light-keepers, one of the kitchens might be converted into a hut.

Drinking-water tank has not been cleaned out for some years and requires cleaning badly. In heavy weather in the north-east monsoon the tide comes up against the bank round the fresh water tank and turns the water brackish. This is probably due to sub-soil percolation; a second bank outside and some distance from the existing one would check this action, but it cannot be entirely prevented unless a masonry tank is built.

Compound.—No attempt has been made to enclose a compound.

Site.—The river is said to be encroaching slowly but steadily. At present high water mark is about 125 feet from the nearest point of the building. In 1871 when repairs were executed, store sheds and a chunam mill were erected. The site of the store sheds is now in the river and the centre post of the chunam mill which still exists is also in the river and about 25 feet from H.W. mark. At a rough guess, the encroachment may be put down at about 36 yards in 12 years.

The foreshore is shelving and does not show signs of accretion. I would recommend that the foreshore of the river from the point where the creek enters it a short 4 mile above the light-house be planted up with mangrove or anything else that will grow down to within, say, 100 yards of the light-house and that a wall or revetment be built along the foreshore opposite the light-house. There is an existing growth of bushes about 100 yards below the light-house.

DETAILS of light-houses inspected by Mr. A. A. G. Malet, A.M.L.C.E., Officiating
Superintending Engineer, II Circle, in May 1893.

Light-house.	Class of light.	Height of centre of lantern above high water.	Distance at which light is visible.	Object of light.	Remarks.
Point Divi	White, fixed, dioptric, fourth order.	48 feet	14 miles in clear weather.	Is intended to point out the position of the dangerous sands in the vicinity.	See attached report.

No. 2309 C.

Forwarded to the Presidency Port officer, through whom the report should have been submitted, under para. 2 of G.O., dated 1st May 1888, No. 168, Marine.

12th June 1893.

(Signed) J. HANNAN,
Ag. Chief Engineer, P.W.D.

From Commander H. A. STREET, R.I.M., Acting Presidency Port officer, to the Chief Engineer, Public Works Department, dated Madras, 21st June 1893, No. 1003/101 P.W.

In returning the papers received with your endorsement, No. 2309 C., dated 12th June 1893, I have the honour to observe as follows:—

(a) The cracked panes of the lantern of the Point Divi light will be replaced by new ones in due course, but the fact of their being cracked does not affect the visibility of the light.

(b) The Port officer, Masulipatam, will be directed to have the hinges of the door of the lantern replaced without delay.

(c) It is intended to have the column painted in future.

(d) The Superintending Engineer will be asked to have an estimate prepared for repairing the building at the base of the column and for erecting extra huts and an additional cook house, but, as it is probable that a new column will have to be erected in a more suitable position for a light apparatus of greater power than the one now in use, I do not consider it advisable to go to any great expense in regard to additional rooms, buildings, &c.

(e) Two additional iron tanks, each capable of holding 250 gallons of drinking water, were supplied last year to meet the fresh water requirements of the light-house establishment and the Port officer reported that the difficulty hitherto existing as regards obtaining good water had thus been overcome. There appears to be no necessity, therefore, to use the water in the open tank referred to by Mr. Malet, but the tank should have been cleaned and the Port officer will be directed to have this done.

(f) Pending the decision of Government as regards a new column, I deprecate any expenditure on plantations or works on the foreshore.

ORDER—dated 1st July 1893, No. 1728 W., Public Works.

Communicated to the Marine Department.

2. The attention of the Superintending Engineer, II Circle, will be drawn to the Presidency Port officer's remarks.

(True Extract.)

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

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

Exd A. D. Xavier.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated July, 1st.

Recd.

Encl.

G.O., 1st July 1893, No. 1728 W.

JULY.

Point Divi Light-house

Report on — by the Superintending Engineer, II Circle, with remarks thereon by the Presidency Port officer, communicated to Marine Department and the attention of the former officer drawn to the Presidency Port officer's remarks.

Superintending Engineer's Office,

No. 597 Ks

II CIRCLE,

Dated 3rd June 1893.

From,

A. H. A. A. Esquire,

Offg. Superintending Engineer,

II Circle.

To,

The Chief Engineer,

Public Works Department,
Madras.

Encls. 2

1 Report

1 statement

Sir,

As called for in your No. 5053C & 230C and as promised in 4-11-89 16-1-91 para 2 of this office No. 1288C dated 26-8-90 I have the honor to submit a report on Point Divi Light House which I inspected on 30-5-93.

I have the honor to be,

Yours most obedient servant

For Offg. Supg. Engineer,
II Circle

16. 1-6-93.

5682/53

From

The Sup Engineer
225 miles

M. 2309 Cal/12 June 1893

The Chief Engineer
P. W. Dept
Madras

Forwarded to the
Presidency Port Officer
through whom the report
should have been
submitted, under para
2 of G. O. dated 1st May
1893, No. 168 in number.

Recd. S. G. 53
Dated 3rd June 1893

No. 597 Ks

Page 2

W. Annan
Asst. Chief Engineer
P. W. Dept

Point Divi Light house
- Submit a report
on -

- M. 839 Cal/18-2-92
- 230 Cal/16-1-91
- 5597 W. 4/18-12-87
- 5053 Cal/4-11-87
- 448 Cal/2-2-88
- 2403 W. 4/8-9-90
- 1532 W. 4/20-5-88

2/6/93
2126
67-6
7-6

Report on Point Divi Light House by
Mr. A. A. G. Malet, Offg. Superintending
Engineer, a Circle. 4/1/92

Light. In good order. 2 SP

Lantern. Every pane of glass has cracked
and the cracks are mended with
putty. I was informed that new
glaises had been procured but were
found to be too small.
The wood packing inside the iron
door is rotten and should be replaced.
The hinges of the door have worn and
given slightly so that the door will not shut
completely. New hinges are required.

Masonry Column. In good order.
The base for a few feet in height
is plastered with Cement and the
rest is plastered with ordinary
mortar which is in very good order.
It has been usual to white wash
the Column but the white wash
does not stand and flakes off
in patches when the rains set in
or after a few months exposure.
The Port Officer painted two small
patches as a trial about one month
ago and the paint has stood well
and has not blistered. The Port
Officer informed me that when the
white wash came off in patches
it gave the Column a mottled
appearance and made it very
difficult

difficult to sight it from the sea.
For this reason and because the
whitewash will not stand it would
seem advisable to paint the Column
instead of whitewashing it.

Lightning Conductor. The existing Conductor
was condemned as faulty after being
tested by Mr O'Connell Executive
Engineer in December 1891. ^{NO 334}
Vide his letter ^{8.2.92}
An Estimate for a new Conductor
has been sanctioned, and it will
be erected very shortly.

House at base of Column. This is a two
storied building and should be
painted for the same reasons
as those given under "Masonry Column".
The Lightkeeper's room & Superintend-
ent's rooms in the upper story should
be plastered inside with Cement
as the existing common plaster
is falling off. The lower floor
consists of 4 rooms - a store room,
a bath room & 2 rooms in rear. Of
the 2 rooms in rear one is occupied
by the Head Light Keeper and the
other by three of the other Light Keepers.
The fifth Light Keeper lives in the
Kitchen. The accommodation for
the Light Keepers is insufficient.
The Port Officer tells me that the
present Superintendent who is
unmarried will shortly retire,
and if relieved by a married
man will require the two lower
rooms

rooms as well as the upper one. 8
In this case there would be no
accommodation at all for the
Light Keepers. As all the Light Keepers
reside permanently at the Light
House and do not take turns,
it would seem advisable to
provide sufficient accommodation
to enable them to keep their families
with them. To do this, 5 huts
would be required.

Outhouses. There are two Kitchens which
are in good order but require slight
repairs. One Kitchen is for the
Superintendent and the other for
Light Keepers, but as the latter
consist of Hindus & Mahomedans
and are not the same
caste the Head Light Keeper
has erected two small lean-to
sheds of mud and thatch
against the Kitchen which look
very unsightly and I doubt if
they ought to be permitted. If
separate huts were built for the
Light Keepers, one of the Kitchens
might be converted into a hut.

Drinking Water Tank. It has not been
cleaned out for some years and
requires cleaning badly.

In heavy weather in the N.E.
Monsoon the tide comes up -
against the bank from the
fresh

fresh water tank and turns
the water brackish. This is pro-
bably due to salt soil percolation;
a second bank outside and some
distance from the existing one
would check this action, but it
cannot be entirely prevented
unless a masonry tank is built.
Compound. No attempt has been made
to enclose a compound.

Site. The river is said to be encroaching
slowly but steadily. At present
high water mark is about 125 feet
from the nearest point of the
building. In 1871 when repairs were
executed, stone sheds and a
Chunam mill were erected. The
site of the stone sheds is now in the
river and the centre post of
the Chunam mill which still
exists is also in the river and
about 25 feet from H. W. Mark.
At a rough guess, the encroachment
may be put down at about 36
yards in 12 years.

The foreshore is shelving and does
not show signs of scour. I would
recommend that the foreshore
of the river from the point where
the creek enters it a short $\frac{1}{2}$ mile
above the Light House be planted
up with mangrove or anything
else

Else that will grow down ^{within} to say
100 yards of the Light House and
that a wall or revetment be
built along the foreshore opposite
the Light House. There is an
existing growth of bushes about
100 yards below the Light House.

Shunt
For offg. Supg. Engine,
16. 11. Circle
1. 693

6/17/8

R. S. 2
5434/53
5682

Details of Light houses. inspected by Mr. A. A. G. Mallet A.M. S.C.E. Offg: Supg: Engineer,
San Francisco in May 1893.

Light House	Class of light	Height of Distance Centre of at which Lighthouse light is above high visible water	Object of light	Remarks.
Point Loma	White, fixed.	48 feet	14 miles	Point out the position See attached Report
	Diaphane, 4" Order		in clear weather.	Of the dangerous
			Sands in the vicinity.	Sands in the vicinity.
Supg: Engineer is Off in } #1 miles	#1 miles		For Offg: Supg: Engineer	7/17/28. 5. S.P. Huntly 1.6.93.
dated 3rd Dec 1893				

N. 1003 PXX
101

J. P. J.
Presidency Port Office

Madras 21 June 1893

To

The Chief Engineer to Government,
Public Works Department.

Sir,

In returning the papers received with
your endorsement, N. 23096, dated 12th June
1893, I have the honor to observe as follows:-

(a) The cracked panes of the lantern
of the Point Divi Light will be replaced by
new ones in due course, but the fact of their
being cracked does not affect the visibility
of the light.

(b) The Port Officer, Maesulipatam,
will be directed to have the hinges of the door
of the lantern replaced without delay.

(c) It is intended to have the column
painted in future.

(d) The Superintending Engineer
will be asked to have an Estimate prepared
for repairing the building at the base of
the column and for erecting extra huts
and an additional cook house, but as it
is probable that a new column will have
to be erected in a more suitable position for

842
NLS
5830/53
5682

9/12/28

a light apparatus of greater power than the one now in use, I do not consider it advisable to go to any great expense in regard to additional rooms, buildings &c.

(c) Two additional iron tanks each capable of holding 250 gallons of drinking water were supplied last year to meet the fresh water requirements of the lighthouse establishment and the Port Officer reported that the difficulty hitherto existing as regards obtaining good water had thus been overcome. There appears to be no necessity therefore to use the water in the open tank referred to by Mr. Malet but the tank should have been cleaned and the Port Officer will be directed to have this done.

(f) Pending the decision of Government as regards a new column, I deprecate any expenditure on plantations or works on the foreshore.

I have the honor to be,
Sir,
Your Obedient Servant,

H. A. T. H. E. E.
Commander R. I. M.
Acting Presidency Port Officer.

P. W. CURRY No. 5682

From

The Presidency Port Officer
Madras

To

The Chief Engineer
to Government
Public Works Dept
Madras

No 1003 P.W.
101

Dated 21 June 1893.
Recd. 23. 6. 93
Encls 3

Returning with remarks
papers received with the
endorsement No 2309C d/
12 June 193 regarding
the Port Divi Light
inspection.

With disposal

no 1532 10 9 25.5.88
- 240 3 0 9 2.9.90
- 446 6 9 2.2.91
- 800 3 1 9 4.11.91
- 2597 10 9 13.12.91
- 200 2 9 16.1.91
- 329 2 9 10.2.92
- 230 9 2 9 12.6.93

H. W. 1728 Waf 1st July 1893.

G. R. 25 June
Communicated to
the Marine Dept.

2. The attention of the
Supty. Engineer II Circle
will be drawn to the
Presy. Port officer's remarks.

JH
27.5

0.11.93
2.6.93

WV

The Marine Dept
S.E. II Circle

DESPATCHED
12 JUL 93

088110

11/27

10/1728

C^o 5682

Govt. of (1893) Madras.
PUBLIC WORKS.

Dated

Recd.

Encl.

G.O. 17th July 1893 No. 17280.

Joint Divi Light House

Report on —

by the S.E. & Co. Ltd

with remarks thereon

by the President of

Joint Divi, Co. Ltd

to Marine Dept,

and the attention

of the former officer

drawn to the P.P.O's

remarks.

2. C. 3/11

7-8