

- (1) பக்கங்களின் எண்ணிக்கை 12
 (2) புதுக்கித் திருப்பிய நாள் Sep 90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 100

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

(53)

P. W. D. துறை

அரசாணை எண். 21916 அச்சகம்
 மு. கோப்புத் தாள் எண். பலவகை

நாள் : 9-9-1889 198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

6. Sheets

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

G.O., dated 30th July 1889, No. 325, Marine.

From the Presidency Port officer, dated 8th July 1889, No. 103/273 G.

In January last, on the approval of Government conveyed in the order marginally quoted, I sanctioned a sum of Rs. 470 from Port funds for effecting certain improvements to the lighthouse at Negapatam. Since then the following additional improvements have been found requisite, viz.—

- (a) A third iron gaff. This is necessary for hoisting the additional storm signals recently sanctioned by Government.
- (b) A new earth connection for the lightning conductor, which is also necessary.
- (c) An iron railing and gate round the lighthouse column. This is to prevent people getting up the ladder to the roofs of the rooms, and to keep the base of the column clean, which at present is in a very dirty condition.

2. These additional works will cost Rs. 1,230 (*vide* estimate from the Superintending Engineer, VI Circle, herewith sent with

1 Letter from the Superintending Engineer, VI Circle, No. 680 T.J., of 1st July 1889.

1 Plan.

1 Report and specification.

1 Detail estimate of measurements.

1 Abstract estimate of cost.

accompaniments as per margin). The revised accounts of the outports exhibit a deficit against the ports in the Tanjore district, and the question arises as to how the proposed expenditure is to be met; but the works being all of them necessary,

those under (a) and (b) imperatively so, I see no other way but to suggest that the amount required should be advanced by the port of Madras from the balance of Port funds to the credit of that port. I beg, therefore, that the expenditure may be sanctioned accordingly, and that a further sum of Rs. 417 may be included in the sanction to cover the usual Public Works centage on Rs. 1,700, that is, Rs. 1,230 amount of the present estimate, *plus* Rs. 470 already sanctioned.

Order—dated 30th July 1889, No. 325, Marine.

The estimate is approved and transferred to the Public Works Department.

2. The expenditure, being on account of a lighthouse, will be a general charge against Port funds, and should not be debited to any particular district or port.

(True Extract.)

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

ORDER—dated 16th August 1889, No. 2248 W., Public Works.

The estimate is returned to the Superintending Engineer, VI Circle, for sanction.

2. The question of providing funds, as shown below, will be considered in the Financial Department:—

Works	...	...	...	...	...	...	...	...	RS.
Establishment	...	...	...	...	...	...	...	...	730
Tools and plant	...	...	...	...	...	...	...	...	168
									11
Total ...									909

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.
" Financial Department.
" Marine Department.

Exd. J. Henricus.
Spare Copies

2496
21

2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated August, 16th.

Recd.

Encl.

G.O., 16th Aug. 1889, No. 2248 W.

AUGUST.

Lighthouse at Negapatam

Estimate for improvements to the —,
returned to the Superintending Engineer,
VI Circle, for sanction.

3RD MARCH 1888, No. 738 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from J. W. RUNDALL, Esq., M.I.C.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 21st February 1888, No. 2112 T.J.:—

I have the honor to report that I inspected the Negapatam light-house on the 15th instant.

2. The masonry structure is in excellent order.

3. The basement and rooms have been plastered with Portland cement since the inspection of the Chief Engineer, Public Works Department, in February of last year.

4. The lightning conductor is carried down inside the column and the earth connection is under the floor. The outside railings have been connected with the lightning rod which ends in a point carried above the copper cupola. The hand-rails inside have been connected with the lightning conductor at every point where they cross one another. This is a mistake; the hand-rail should be insulated rather than connected, for were the building to be struck and anyone have hold of the hand-rail at the same time, he might be killed. I would propose therefore to break this connection and cut off the hand-rail at each crossing point.

5. I made inquiries as to whether the lightning conductor had been tested, and was told that it had been by the Telegraph Master two or three years ago. I will try and arrange for its being done again.

6. The cracks in the lantern glasses, referred to in Chief Engineer's inspection notes of last year, are generally due to contraction and expansion of the lantern framing; the glasses are not badly cracked now.

ORDER—dated 3rd March 1888, No. 738 W., Public Works.

Communicated to the Marine Department for information.

2. All masses of metal, whether in or out side the building, such as the copper cupola and the hand-rails of the staircase, should be connected with the main conductor. When this has been done, the Superintending Engineer will arrange for the lightning conductor being tested.

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.

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

Exd. J. Moses.
Spare Copies

3

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.
PUBLIC WORKS.

Dated March, 3rd.

Recd.

Encl.

G.O., 3rd March 1888, No. 738 W.

MARCH.

VI Circle
Light-house at Negapatam

Orders on letter from the Superintending
Engineer, VI Circle, reporting on his inspec-
tion of the —.

2496
9

4

No. 1532 Wd/25-5-88

1889.

P. W. DEPARTMENT.

Current No. 2066

From The Suptg. Engineer
VI circle.

ENCLOS. - 1

No. 2515 J. J.

Dated 24 Feb. 1889

Received 4 March 1889

SUBJECT.

Notes of Inspection
of the Light Houses
at Tuticorin and
Negapatam.

DISPOSAL.

No. 1134 C Dated 7 March 1889

Returned for
transmission through
the Presy. Port office,
as directed in G.O. No.
1532 W dated 25 May
1888.

(sd) H. R. Mead Col. R. E.

Ag. Chief Engineer P. W. D.

(sd) W. L. C. B.
5-3-89.

89/3

2456

1889.

P. W. DEPARTMENT.

Current No. 2638
2066

From Presidency Port Office.

ENCLOS. - 2

No. 87

Dated 18-3-89

Received 19- - -

SUBJECT.

Forwarding with re-
marks notes of inspection
by Suptg. Engineer VI circle
of the Light Houses at
Tuticorin and Negapatam.

DISPOSAL.

No. 1134 C Dated 7 March 1889

Transferred to the
Marine Department in
continuation of this
office No. 1433 C dated
20 March 1889.

2. In the case of the
Negapatam light house

86/3
23/3

2496
Camp. Dinneville 31st August 1889
Recd 2/9/89

No. *1176TS*
From Lt. Col. A. C. Smith R.E.
The Superintending Engineer,
6th Circle.

To The Chief Engineer
P. W. D.

Sir,

ENCLOSURES.

Adverting to your reminder No. *1209* of 26th instant, I have the honor to state that, in the Estimate of Rs. 1230, approved in G. O. No. 2248 of 16th August 1889, necessary provision was made for carrying the lightning conductor outside the column of light house at Negapalam, as ordered in your Memorandum No. 1497 C of 21st March 1889 and in the G. O. to which the above reminder refers.

I have the honor to be
Sir
Your Most Obedt. Servant
A. Smith R.E.
Superintending Engineer

6

It is considered that the earth connection of the lightning conductor should certainly be made accessible, and to do this it seems advisable to carry the conductor outside the column. The Suptg Engineer will be instructed to submit definite proposals on the subject.

3. It does not appear necessary to issue general instructions with respect to all light houses. Each case can be dealt with as it arises.

1 Lt. A. R. H.
W

Copy to Lt. W. Circle
20/3

2496

6

No. 2496 of 9th Sept. 1889

70

Recorded
Recorded

Wm
6.9.89

cu

From
The Supg Engineer,
VII Circle
Trichinopoly

To
The Chief Engineer,
P. W. D.
Madras.

No. 1176 TS

Dated 31st August } 1889
Despd 2nd September }
17.5.9.89

Enclosure 1

Light House at Negapatam
Stating that necessary
provision for carrying the
lighting conductors out-
side the Column of
was made in the rate
of Rs 1230. approved
in G.O. No. 2248 W.
16-8-89

589

(6)

With the disposal

5/6/9- 2169