(1) பக்கங்களின் எண்ணிக்கை 16
(2) புதுக்கித் திருப்பிய நாள் 1/8/88
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண். 3405 — அச்சகம்
மு. கோப்புத் தாள் எண். — பலவகை

நாள் : 25·10·1988 ~~198~~ :

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

அ.ஓ. [illegible]

1/3405

25th October 1888, No. 3405 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From Government of India, Department of Finance and Commerce (Statistics and Commerce—Commerce and Trade, Lights and Light Dues), dated Simla, 28th September 1888, No. 5206.

Read—

Resolution by the Government of India in the Public Works Department, No. 427-M., dated the 26th October 1883, laying down instructions regarding the erection and testing of lightning conductors.

Read—also the following papers regarding the periodical inspection and testing of lightning conductors on lighthouses in the Bombay Presidency:—

From the Government of Bombay, No. 399, dated the 1st December 1887, and enclosures, from which it appears that due precautions have not been observed at Aden in the testing of lightning conductors.

To the Government of Bombay, No. 6904, dated the 31st December 1887, asking whether the instructions in the Resolution of October 1883, are kept in view in the erection and inspection of lighthouses in the Bombay Presidency.

From the Government of Bombay, No. 145, dated the 3rd July 1888, and No. 177, dated 15th August 1888, transmitting papers showing that the instructions are generally observed in Bombay.

Read also—

Reports on the Inspection of lighthouses in Madras in 1888.

Resolution.—It appears from the list appended that the instructions contained in the Resolution of 26th October 1883, regarding the erection and testing of lightning conductors are generally attended to in Madras and Bombay. The Governor-General in Council is satisfied that the matter will receive careful attention from the officers charged with the duty of inspecting lighthouses, but it is desirable that their reports should always state the condition of the conductors, and whether the orders of 1883 are carefully observed.

* Enclosure.

Abstract of reports on inspection and testing of lightning conductors on lighthouses in the Bombay and Madras Presidencies.

Name and locality of light.	Whether the orders* of 1883 have been carried out or not.	State of conductor.	General Remarks.
BOMBAY.			
1. Kennery, on the island of Bombay.	Latterly not ..	Satisfactory when last examined by the Telegraph Department.	The conductors are fixed on the system used by the Trinity House, London, in all their lighthouses—a system devised by Professor Faraday.
2. The Prongs do. ..	Do. ..	Do. do. ..	
3. Sunk rock do. ..	Do. ..	Do. do. ..	
No remarks by the Local Government.			

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* Public Works Department Resolution No. 427-M., dated 26th October 1883.

Abstract of reports on inspection and testing of lightning conductors on lighthouses, &c.—*cont.*

Name and locality of light.	Whether the orders* of 1883 have been carried out or not.	State of conductor.	General Remarks.
BOMBAY—*cont.*			
4. Lighthouses under the charge of the Port Engineer, Karachi.	Yes	Not stated	The lightning conductors are tested every year by a subordinate of the Public Works Department in accordance with the code of instructions approved by the Government of India, Public Works Department.
5. Vauxe's Tomb, near Surat ..	Do.	Do.	
6. Perim, near Gogo ..	Do.	Do.	
7. Chawl Khadi Beacon, near Kalaba.	Do.	Do.	
8. Lighthouses under the charge of the Superintending Engineer, Southern division.	Do.	Do.	Inspection and testing are carried out by a subordinate of the Public Works Department specially trained.
9. Lighthouses in the Bhownagar State.	No.	No doubt has been felt as to their continued efficiency.	It will be seen from the report submitted by the Political Agent, Kathiwar, that lightning conductors on lighthouses in Native States have never been tested by Government officers. The Political Agent suggested that the inspection and testing, &c., of the conductor attached to the Porbandar lighthouse might be done by the officer of the Public Works Department who does the work for Government.
10. Rozi lighthouse in the territory of His Highness the Jam of Navanagar.	....	No conductor till recently. In good order.	
11. Salaya Creek do.	....	No conductor	
12. Veraval in the State of Junagadh.	....	Do. ..	
13. Mangrol do. ..	....	Do. ..	
14. Porbandar in the State of Porbandar.	....	Only lately fixed. No inspection as yet deemed necessary.	
15. Jafrabad in the State of Jafrabad.	No.	Not stated	
Aden—			
16. Marshag lighthouse, near Aden.	Not definitely stated, but orders appear to have been carried out in April 1888.	Useless	The Executive Engineer, Aden, examined the conductors in April 1888. It is not definitely stated that the examination was in accordance with the Public Works Department orders of 1883 (Code of Instructions); but from tests applied, it seems the orders were carried out.
17. Perim Island principal lighthouse.		Good order	
18. Perim Island light on Obstruction point.		Do. .. .	
19. Bulhar light	....	....	Require no lightning conductor; but the signal staff, a short distance off Berbera red light, may, with advantage, be fitted with a conductor.
20. Berbera principal or white light.	....	....	
21. Berbera red light	....	....	
MADRAS.			
1. Muttum (Cadiapatam) ..	Not stated	Not stated	The lightning conductor to be tested. The iron railings of the outside platform have not been connected with the lightning conductor. Instructions have been issued to form the necessary connection.
2. Tuticorin lighthouse on Hare Island.	Apparently yes ..	Good order, except the vane.	Was recently tested by Sergeant Green, R.E., specially deputed.
3. Pámban, on a sand hill about one mile east of Northern Channel.	Yes	Good order	Was tested in January last by Mr. Hand of the Telegraph Department.
4. Negapatam	Not stated	Not stated	To be tested again.
5. Calicut	....	....	Only recently provided with a conductor.
6. Mangalore lighthouse ..	Not stated	Not stated	Improvement of earth connections remains to be done.
7. Cannanore do. ..	Do.	Do.	..
8. Tellichery do. ..	Do.	Do.	..
9. Santopilly do. ..	Do.	Do.	New lightning conductor has been put up. The old one is to be removed.

No remarks by the Local Government.

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* Department Resolution No. 427-M., dated 20th October 1883.

2/3405

Order—Ordered, that the foregoing Resolution be communicated to the Governments of Bombay, Madras, and Bengal, and to the Chief Commissioner of Burma, for information and guidance.

(Signed) J. E. O'CONOR,
Asst. Secy. to the Govt. of India.

Transferred to the Public Works Department with reference to G.O., No. 3187 W., dated 12th November 1883.

(By order.)

(Signed) W. S. MEYER,
Ag. Asst. Secretary.

22nd October 1888.

Order—dated 25th October 1888, No. 3405 W., Public Works.

Communicated to officers of the Public Works Department for information and guidance with reference to G.O., No. 3187 W., dated 12th November 1883.

(True Extract.)

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

To Superintending Engineers.
„ the Consulting Architect to Government.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.

PUBLIC WORKS.

Dated October, 25th.

Recd. *Encl.*

G.O., 25th Oct. 1888, No. 3405 W.

OCTOBER.

1

Lighthouses

Orders of the Government of India requesting that reports on — may state the condition of the lightning conductors and whether the orders of 1883 are observed, communicated to the officers of the department.

3/3405

21st August 1882, No. 2156 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 142.

Read—the following letter from Colonel R. MURRAY, Director-General of Telegraphs in India, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 1st August 1882, No. 1209:—

With reference to the correspondence regarding the testing of lightning conductors, ending with your No. 1432 W. of the 7th June 1882, I have the honor to inform you that I am in communication with the Inspector-General of Military Works, with a view to compiling from the last War Office Circular and the recent Report of the Lightning Rod Conference, a code of rules for the erection and testing of lightning conductors.

2. This code when prepared will be circulated to officers of this department for information and guidance, and until it has been circulated and the mechanical requirements have been authoritatively specified, I think it desirable that they should not be called on to electrically test any conductors other than those attached to Powder Magazines and Factories.

No. 143.

Order—dated 21st August 1882, No. 2156 W., Public Works.

Communicated to Superintending Engineers with reference to G.O., No. 1432 W., dated 7th June 1882.

2. The Director-General is requested to supply this Department with copies of the Code in question when ready.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Director-General of Telegraphs in India.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.

PUBLIC WORKS.

Dated August, 21st.

Recd. Encl.

G.O., 21st Aug. 1882, No. 2156 W.

AUGUST.
Nos. 142-143.

Lightning Conductors.

Letter from the Director-General of Telegraphs in India stating that until the circulation of the Code now in preparation for the erection and testing of —, the Telegraph Department should not be called upon to electrically test any conductors other than those attached to Powder Magazines and Factories, communicated to Superintending Engineers.

4/3405

12TH NOVEMBER 1883, No. 3187 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Resolution of the Government of India, Public Works Department (Civil Works—Miscellaneous), dated Simla, 26th October 1883, No. 427 M.

Erection and testing of Lightning Conductors by Public Works Officers.

Read—

Letter No. 2131, dated 16th May 1883, from the Inspector-General of Military Works.
Public Works Department docket, No. 180 M., dated 19th May 1883, to the Director-General of Telegraphs.
Letter No. 704 M., dated 25th June 1883, from the Director-General of Telegraphs.
Letter No. 705 M., dated 12th July 1883, from the Director-General of Telegraphs.
Public Works Department letter No. 254 M., dated 14th July 1883, to the Director-General of Telegraphs.
Letter No. 706 M., dated 18th July 1883, from the Director-General of Telegraphs.

Observations—

It having been brought to notice that the calls made on the Telegraph Department under Public Works Department Code, Volume I, Rule 40, Section II, Chapter VII, with regard to inspection and testing of lightning conductors, are becoming more numerous than the former department can meet, and also that in the majority of cases the tests are of a character to be easily learnt and applied by others than experts in telegraphy, His Excellency the Governor-General in Council is pleased to decide that in future these duties shall be performed by the officers of the Public Works Department, and that the aid of the Telegraph Department shall only be invoked in the case of the protection of powder magazines and such other important buildings.

2. A Code of Instruction for the guidance of Public Works officers in these duties has been drawn up by the Director-General of Telegraphs under the orders of the Government of India, and copies can be obtained on application at the Government of India, Public Works Department Secretariat, Calcutta.

3. The necessary instruments and material for testing should be obtained on indent from the Telegraph Department.

4. If technical instruction in the use of the instruments be found necessary, application should be made in each case by the Executive Engineer to the Chief Superintendent of the Telegraph division, who will inform him where instruction can be obtained.

5. The orders in the Public Works Code will be modified in accordance with the above ruling.

Order—

Ordered, that copies of the Resolution be forwarded to the Local Governments, Administrations, and Officers marginally noted, for information and guidance; also to the Departments of the Government of India specified, for the purpose indicated.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, British Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana and Biluchistan.
The Accountant-General, Public Works Department.
The Military Department, for communication to the Inspector-General of Military Works.
The Foreign Department, for communication to the Chief Commissioner of Mysore.
The Director-General of Railways.
The Director-General of Telegraphs in India.

(Signed) W. S. TREVOR, Colonel, R.E.,
Secy. to the Govt. of India.

To the Secretary to the Government of Madras, Public Works Department.

ORDER—dated 12th November 1883, No. 3187 W., Public Works.

Communicated to officers of the Public Works Department, for information and guidance, in continuation of G.O., No. 2156 W., dated 21st August 1882.

2. The Government of India will be requested to supply this office with 60 copies of the "Code of Instruction" referred to in their "Observations."

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
" the Consulting Architect to Government.

Exd. E. Fernandez.
Spare Copies

Abstract of reports on inspection and testing of lightning conductors on lighthouses in the Bombay and Madras Presidencies—concld.

MADRAS.

Name and locality of light.	Whether the orders of 1883 have been carried out or not.	State of conductor.	General Remarks.
1. Muttum (Cadiapatam) ...	Not stated	Not stated ...	The lightning conductor to be tested. The iron railings of the outside platform have not been connected with the lightning conductor. Instructions have been issued to form the necessary connection.
2. Tuticorin lighthouse on Hare Island.	Apparently yes ...	Good order, except the vane.	Was recently tested by Sergeant Green, R.E., specially deputed.
3. Pamban, on a sand hill about one mile east of Northern Channel.	Yes ...	Good order ...	Was tested in January last by Mr. Hand of the Telegraph Department.
4. Negapatam	Not stated ...	Not stated ...	To be tested again.
5. Calicut	...	...	Only recently provided with a conductor.
6. Mangalore lighthouse ...	Not stated ...	Not stated ...	Improvement of earth connections remains to be done.
7. Cannanore ditto	Ditto ...	Ditto ...	......
8. Tellicherry ditto	Ditto ...	Ditto ...	......
9. Santopilly ditto	Ditto ...	Ditto ...	New lightning conductor has been put up. The old one is to be removed.

No remarks by the Local Government.

G. C. Press, Simla.—No. 468 C. F.—18-9-88.—148.

3405

11p

No. 5206.

GOVERNMENT OF INDIA.

DEPARTMENT OF FINANCE AND COMMERCE.

STATISTICS AND COMMERCE.
Commerce and Trade.
Lights and Light Dues.

GOVERNMENT OF MADRAS
8 OCT 88
REVENUE DEPARTMENT

RESOLUTION.

Simla, the 28th September 1888.

READ—

Resolution by the Government of India in the Public Works Department, No. 427-M., dated the 26th October 1883, laying down instructions regarding the erection and testing of lightning conductors.

Read also the following papers regarding the periodical inspection and testing of lightning conductors on lighthouses in the Bombay Presidency:—

From the Government of Bombay, No. 391, dated the 1st December 1887, and [illegible] sures, from which it appears that due precautions have not been observed at Aden in the testing of lightning conductors.

To the Government of Bombay, No. 6902, dated the 31st December 1887, asking whether the instructions in the Resolution of October 1883 are kept in view in the erection and inspection of lighthouses in the Bombay Presidency.

From the Government of Bombay, No. 145, dated the 3rd July 1888, and No. 177, dated 15th August 1888, transmitting papers shewing that the instructions are generally observed in Bombay.

Read also—

Reports on the Inspection of lighthouses in Madras in 1888.

RESOLUTION.—It appears from the list appended that the instructions contained in the Resolution of 26th October 1883 regarding the erection and testing of lightning conductors are generally attended to in Madras and Bombay. The Governor General in Council is satisfied that the matter will receive careful attention from the officers charged with the duty of inspecting lighthouses, but it is desirable that their reports should always state the condition of the conductors, and whether the orders of 1883 are carefully observed.

12-11-88.

ORDER.—Ordered, that the foregoing Resolution be communicated to the Governments of Bombay, Madras, and Bengal, and to the Chief Commissioner of Burma, for information and guidance.

J. E. O'Conor

Asst. Secy. to the Govt. of India.

No. 3187 – 12 [illegible]

3

d/ 22d October 88

Transferred to the Public Works Department with reference to G.O. 3187 W. d/ 12th November 1883.

(By order)

Ag. Consulting Secretary P.W.D. Works

No: 3405 W. d/ 25th Octr 1888

Communicated to officers of the Public Works Department for information and guidance with reference to G.O. 3187 W. d/ 12 November 1888.

24.10.88

S. Engineers 24/10/88

[illegible] to prot.

GT No. 948

1076

GOVERNMENT OF INDIA.

DEPARTMENT OF FINANCE AND COMMERCE.

STATISTICS AND COMMERCE.
Commerce and Trade.
Lights and Light Dues.

RESOLUTION.

To

The Secretary to the Government of Bombay.
„ Secretary to the Government of Madras.
„ Secretary to the Government of Bengal (Public Works Department).
„ Chief Commissioner of Burma.

No. 5206.

Dated Simla, 28th September 1888.

Reg. 22/10/88

Periodical inspection and testing of lightening conductors on lighthouses.

G. C. Press, Simla.—No. [illegible] C. T.—[illegible]

Govt. of 1888; Madras.

PUBLIC WORKS.

Dated. 9/10

Recd.   Encl.

G.O. 25 Octr 1888, No. 3405 W

Lighthouses

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Orders of the Govt. of India requiring that reports on ~~testing of lightning conductors~~ ~~[illegible]~~ may state the condition of the lightning conductors & whether the orders of 1883 are observed, Comd to the officers of the dept.

200/12

26/10