

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2133	(W)	Press
		Mis. <i>mis</i>
Dated 17-12-	1877.	

Not to be folded or roughly handled

Instructions for guidance of Major
Thomason. R.E. regarding Madras
Harbour works. -

Major Thomason will proceed to Madras
and in connection with the proposed harbour
collect as much information and data as
possible and have the same in readiness for
me on my arrival at Madras about the
middle of January 1878. -

As regards the Engineering aspects
of the question the main points for his
enquiry will be under following heads:-

The general directions, duration and
force of the prevailing winds in ^{the} Bay of
Bengal as affecting the Roadstead of
Madras. -

Also the tides and currents especially
the local currents. -

The Silt bearing qualities of the
water in the immediate vicinity of
the commenced harbour works.

The direction of the silt deposits
more

more especially as shown by the deposit on the foreshore resulting from the portions of the piers already constructed comparing if possible, the actual contours of the foreshore with records of what existed previous to the commencement of the works.

The practicability of removing by means of dredging or otherwise such deposits of silt which to the detriment of the harbour may occur in or near it.

The effects of the waves and currents on the portions of the piers already constructed.

The determination of the nature of the sea bed in and near the proposed works as affecting moorings.

To ascertain as far as practicable the varying depths below the surface at which dead water may be looked for.

The probable effects from a
Sanitary

Sanitary point of view of the proposed piers on the sewage from the town discharged into the sea at or near the proposed piers.

The estimation from the results of experience hitherto, of probable excesses or savings in actual construction as compared with the estimates already submitted.

To view the question from a financial stand-point it will be necessary to collect information.

As to the number of ships at present resorting to the harbour, their tonnage &c.

The present cost of lightering as compared with probable cost of loading and unloading when a successful harbour shall have been completed.

The probable revenue to be expected from the completed harbour in the form of harbour mooring and wharf dues.

Enquiries

Inquiries should also be made with a view to determine to what extent the interests of the mercantile community will be affected and thereby to what extent the cost of the proposed works should be recovered from Port dues &c., from the provincial funds, or be considered a fair charge on the Imperial Revenues. -

Nautical opinions and data should be collected. -

As to the probable difficulties to ships under steam or sail of entering or leaving the proposed harbour. -

The probable dangers to the entering and moored ships. -

The number of ships that may be safely moored in the harbour ordinarily and in times of emergency. -

The possibility of danger to ships already moored from the action of high waves entering the harbour mouth and of wind in gales. -

11

No. 335 M.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

Wm. Lloyd Garrison.

The Secretary to the Govt of Madras
Public Works Department.

Fort William, 7th December 1877.

Sir,

Major Thomas R. E. having been specially deputed by the Government of India to proceed to Madras for the purpose of collecting certain professional data and information regarding the Madras harbour works in anticipation of the arranged visit of Colonel Sir Andrew Clarke to Madras in January next, I am directed to request that this office may be afforded any assistance that he may require to enable him to carry out his instructions, copy of which is enclosed for information.

2.

Any charges that may be incurred will

I have the honor to be,
Sir,
Your most obed^t servant,
Jas Skipton Capt R.E.
Asst Secretary to the Govt of India.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17. Dec 77
Read the following:—

From the Govt of India (H. E. No 335 hi 97) Ref 77

Communicated
to the Superintendent of
the Madras Harbour Works,
the District Engineer, Presi-
dency, and the Master
Attendant, Administrative
Department, who will af-
ford such information to
Major Thomason as ^{may}
be available on the sub-
ject of the special en-
quiry ^{prop.} with which he is
entrusted. The Chairman
of the Chamber of Com-
merce will also be re-
quested to aid Major
Thomason in the collection
of ^{primary} commercial statistics

Comm. to also thro. Rev. S.
 J. W. B. C. H. C. L. S. S. S. S.
 Also to the War Office.

MD 15712

9017: Dec 21/57

and other data bearing
on shipping interests.

Paragraph 2 of the
letter from the Govern-
ment of India will be
communicated to the
Examiners of Public
Works Accounts for in-
formation and guidance.

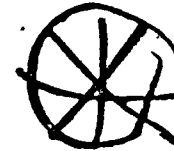
W.H.
12.12.77

Madras Harbours Works

Sanit. & Marine
Harbours Committee
The General & Special
Examiners

Supt. Madras Harbours Works 3
Master Attendant. Ad. Dept 3
St. Surg. Presidency 6
Major Thomason R.E. 2
Examiners, Mr. Aches 5
Marine Dept. 7
Madras Harbours Committee 5
B. of Har. 15 By Mr. Har. Dept.
Collector's Office 3
Chairman Chamber of
Commerce 17
Dispo 15-12-77

Copy



Govt. of India

PUBLIC WORKS.



To

The Sup^t to Harbour Works

Dated

Issued

Recd.

Encl.

G. O. 17 Decr 1877, No. 2132W

Nos. 151-152

Madras Harbour Works
Letter from the Supt intimating
that Major Thomson R.E.
has been deputed to Madras
to collect certain information
regarding the —, connected
with instructions to the
Officers concerned.

Sub. in Reg.

Commerce Division