

GOVERNMENT OF FORT ST. GEORGE.

MARINE (1897) DEPARTMENT.

Letter to the Right Honourable the
Secretary of State for India.

Dated 5th January,

No. 1 of 1897.

STATING that the Madras Harbour Trust Board are not at present inclined to purchase the dredging plant recommended by Sir A. Rendel, but would be glad to be furnished with full particulars of the proposed dredger, and that it is proposed to employ the dredger *Wenlock* to remove the sand from the inner side of the south arm of the harbour.

No. 1, MARINE, 5TH JANUARY 1897.

MARINE DEPARTMENT.

LETTER—to

THE RIGHT HONOURABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

In continuation of our telegram of the 5th January 1897, we have now the honour to forward, for your Lordship's information, the accompanying copy of a letter from the Chairman of the Harbour Trust

• Proceedings of Government, No. 15, Marine, Board, No. 3951,* dated 15th December 1896, from which it will be seen that

the Board are not at present inclined to incur the large outlay requisite for obtaining the dredging plant recommended by Sir Alexander Rendel, but they would be glad to be furnished with full particulars from the builders, with specifications of the proposed dredger, for use hereafter should a powerful dredger of this kind be found to be necessary. Meanwhile, it is proposed to employ the dredger *Wenlock* to remove the sand which has accumulated on the inner side of the south arm of the harbour.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.

(„) H. W. BLISS.

(„) J. GROSE.

FORT ST. GEORGE,
5th January 1897.

Exd. T. K. Narayana Aiyangar.

Government { 1897 } of Madras.
MARINE.

Recd.

Regd.

} 1897.

Enclosures

Spare copies

Letter, No. 16, 5th January 1897.

JANUARY.

Madras Roadstead

Trusting that it may be found practicable to depute an officer of the Indian Marine Department at an early date to make a survey of the —.

No. 16, MARINE, 5TH JANUARY 1897.

MARINE DEPARTMENT.

LETTER—from

HON'BLE Colonel D. McNEIL CAMPBELL, R.E.,
Secretary to the Government of Madras,
Marine Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
MARINE DEPARTMENT.

SIR,

Adverting to the correspondence quoted in the margin in regard to lending the

Letter to the Government of India, No. 450,
Marine, dated 20th June 1896.
Letter from the Government of India, No. 717
(Navigation—Marine Surveys), dated 15th
August 1896.
Letter to the Government of India, No. 669,
Marine, dated 29th September 1896.
Letter from the Director of the Royal Indian
Marine, No. 4961, dated 5th October 1896.

services of an officer of the Indian Marine
Department to make a survey of the
Madras roadstead, I am directed to again
approach the Government of India on the
subject. It will be seen from paragraph
5 of the letter of the Chairman, Harbour
Trust Board, recorded with the accom-
panying copy of Proceedings, No. 15,
Marine, dated 5th January 1897, that;
until the proposed survey has been made,
no definite conclusion can be arrived at as to the measures to be taken for dealing with
the reported shoaling of the harbour and roadstead. As no competent officer is
available in Madras, and the work is of a specially urgent and important character,
His Excellency the Governor in Council trusts that it may be found practicable to
depute to it an officer of the Indian Marine Department at an early date.

I have the honour to be,
Sir,

Your most obedient servant,

Colonel, R.E.,
Secretary to Government.

FORT ST. GEORGE,
5th January 1897.

Exd. T. K. Narayana Aiyangar.

Government {1897} of Madras.
MARINE.

Recd.

Regd.

1897.

Enclosures

Spare copies

G.O., No. 15, 5th January 1897.

JANUARY.

Madras Harbour Improvement

Ordered that the Government of India and the Home Government be addressed — the former in regard to a trained officer for the survey of the roadstead, and the latter in regard to the proposed dredging operations.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper :—

From W. AUSTIN, Esq., I.C.S., Chairman, Harbour Trust Board, Madras, to the Secretary to Government, Marine Department, dated 15th December 1896, No. 3951.

I have the honour to acknowledge the receipt of (a) memo. No. 566 E., dated 12th November, enquiring whether the Harbour Board agrees to purchase plant for stopping the passage of sand through the south arm, at a cost of £1,048, which has been considered by the Trustees in connection with (b) report from Sir Alexander Rendel—communicated for remarks under G.O., Marine, No. 813, dated 23rd November—at their meetings held on 20th *idem*, 4th and 18th December

2. With regard to (a) it is observed that, in the estimate for additions to the south arm, to render it sand-tight, amounting to Rs. 54,369, provision is made for tools and plant to the extent of only Rs. 3,604, and the Board is not prepared to purchase plant to the extent of about Rs. 18,000, without a revised estimate and full information as to what it is proposed to do. If the boiler and pump are to cost five times as much as the provision made in the estimate for tools and plant, the other items may require revision also.

3. It is, no doubt, desirable that the south arm should, if possible, be made sand-tight; but as dredging plant appears to be a necessity in the near future, the question will have to be carefully considered whether the small quantity of sand, which filters through the south arm in the course of a year, cannot be more economically kept under control by dredging it away, than by attempting to prevent its finding an entrance through the wall. Should a powerful dredger, such as that referred to by Sir Alexander Rendel, become necessary, it would apparently be a small matter for such a vessel to remove the sand accumulation of twelve months in a few days. In the meantime the bank which has already accumulated should be removed, at any rate in part, and it is understood that the *Wenlock* is well adapted to undertake the operation. Careful observation would then show whether it is necessary to make the south arm sand-tight; but, in dredging the sand bank, it will have also to be considered how much should be removed, whether all, or if a portion should not be left.

4. The sand which, during the past fifteen years, has accumulated along the south arm, has not yet encroached upon Nos. 1 and 9 berths to any greatly inconvenient extent, and it was useful only last month, in keeping the S.S. *Secundra* off the masonry of the south arm, when she broke away from her moorings. Had there been deeper water alongside the arm, the ship might have collided with and have been injured against it.

5. The Board is not at present in a position to arrive at any definite conclusion upon Sir Alexander Rendel's report, as to what should or should not be done with regard to the entrance, and the reported shoaling of it and the roadstead. He does not appear to consider the evidence before him as conclusive that shoaling of the roadstead is taking place, nor do the Trustees; but in this connection the Board would again urge that a trained officer, whose report would be final and conclusive, should, at as early a date as possible, be deputed to make a survey, using the steam-launch *Lady Wenlock*, which, it is understood, would be perfectly suitable, and in every way well adapted for carrying out the work.

6. The Board is strongly of opinion that the harbour having been completed to the sanctioned design, no attempt should be made at present to do anything further in the way of construction, beyond the minor improvements, for the purposes of

trade, lately submitted to Government. The sand bank along the south arm can temporarily be dealt with by the dredger *Wenlock*; the question as to the necessity for the powerful vessel proposed by Sir Alexander Rendel, can lie over for consideration until it is proved that shoaling of the roadstead is likely to effect the entrance to an appreciable or dangerous extent; and it does not appear that there is the least probability, or even possibility, of any very sudden shoaling taking place, to an extent calculated to interfere with the free use of the entrance.

In the meantime the Board would be glad to receive full particulars from the builders, with specifications, of the dredger which may become necessary, should the dredging which Sir Alexander Rendel recommends in certain eventualities, ever have to be undertaken.

ENCLOSURE.

EXTRACTS of Proceedings of the Trustees of the Harbour of Madras, at a meeting held at the offices of the Board on Friday, the 4th day of December 1896.

3. Read G.O., No. 813, Marine, dated 23rd November 1896, forwarding, for remarks, report from Sir Alexander Rendel.

Read minutes by Trustees.

Resolved that the Chairman is requested to address Government.

4. Read again memo. No. 566 E., dated 12th November 1896, from the Secretary to Government, Marine Department, forwarding for report telegram from the Secretary of State, dated 10th *idem*, enquiring if the Harbour Trust Board agrees to purchase a steam boiler, and other plant, at an estimated cost of £1,048 (including £657 for the boiler) for stopping passage of sand through the south arm.

Read minutes by Trustees.

Resolved that the Board is not prepared, at present, to sanction the expenditure.

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

ORDER—No. 15, Marine, dated 5th January 1897.

Ordered that the Government of India and the Home Government be addressed — the former in regard to a trained officer for the survey of the roadstead, and the latter in regard to the proposed dredging operations.

2. The following telegram will be despatched to the Secretary of State for India :—

"Your telegram 10th November last. Madras Harbour Trust Board not inclined to purchase dredger. Letter follows."

[Here enter No. 16, Marine, dated 5th January 1897.]

(True Extract.)

Under Secretary to Government.

To the Chairman, Harbour Trust Board.

~~The Hon. Mr. G. S. S.~~
~~His Excellency the Governor~~

Printed on 12

Marine
PUBLIC WORKS DEPARTMENT.

N^o 15 Nov of 5.1.97

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Madras Harbour Improvements

Letter from the Chairman,
Harbour Trust Board,
Madras

30
Read the following
(Hb N^o 3951 of 15 Dec 1896)

Ordered that the
Government of India
and the Home Govern-
ment be addressed;
the former in regard to
a trained officer for the
Survey of the Roadstead,
and the latter in regard
to the proposed dredging
operations

2. The following telegram
will be despatched to the
Secretary of State for India.

"Your telegram
tenth November last.
Madras Harbour Trust
Board not inclined to
purchase dredger. Letter
follows."

Note
(as the Gov. is going
to S. S. - no post.
copy of the telegram
is required).

12/12/97

The Chairman, H. T. B.

H.E.

(HE 15th 16th Mar of 5-1-1897)

To the Secretary to the
Government of India
Marine Deptt.

Sir,

Adverting to the
correspondence quoted in
the margin in regard to
lending the services of
an officer of the Indian
Marine Department
to make a survey of the
Madras Roadstead, I
am directed again to
approach the Govern-
ment of India on the
subject. It will be seen
from para 5 of the letter
of the Chairman, Harbour
Trust Board provided
with the accompanying
copy of Pros. 15th Marine,
dated 5th January 1897 that
until the ^{proposed} survey
has been made, no defi-
nite conclusion can be
arrived at as to the measures
to be taken for dealing
with the reported shoal-
ing of the harbour and
Roadstead. As no
competent

* Letter to the G. of I.
15th 450 Marine 20.6.96.
Letter from the G. of I.
15th 717 Navigation-
Marine Surveys,
of 15.8.96.
Letter to the G. of I. 15th
669 Marine 29.9.96.
Letter from the Director of
the Royal Indian
Marine 15th 4961 of
5-10-96.

A.S.H.

4-1-97

25/1/97

* Pros. of Govt 15th Mar
of 5th January 1897.

competent officer is avail-
able in Madras, and the
work is of a specially
urgent and important
character, His Excellency
the Governor in Council
trusts that it may be
found practicable to
depute to it an officer
of the Indian Marine
Department at an early
date.

(HE 15th 1 4/5-1/97)

To The Right Honourable
the Secretary of State
for India.

My Lord,

In continuation of
our telegram of the
5th January 1897 we have now
the honour to forward
for your Lordships infor-
mation the accompanying
copy of a letter from the
Chairman of the Harbour
Trust Board 15th 3951
dated 15th December
1896 from which it
will be seen that the
Board

A.S.H.

4-1-97

Board are not at present inclined to incur the large outlay requisite for obtaining the dredging plant recommended by Sir Alexander Rendell ^{Rendell} but they would be glad to be furnished with full particulars from the builders, with specifications of the proposed dredger, for use hereafter should a powerful dredger of this kind be found to be necessary. Meanwhile, it is proposed to employ the dredger "Wentlack" to remove the sand which has accumulated on the inner side of the South arm of the harbour.

17/12/86

24/1/97

urgent

Code phrase

Vacivior. - from Gov^{ty} Madras to Secy of State.
 London -
~~Lunaticism. - direct Gov^{ty} of India, India Office~~ (522)
 Cinximus - Your telegram of (93)
 Rapuli - 10 November last. (470)
 Putatori - Madras Harbour Works. (4)
 Peccanda - Pat. Trust. p. 395
 Trebinthi - Is (are) not willing to 574
 Purchase dredger.
 Servamus - Particulars by post. p. 537

5/1/97

AW for action of approval.

Telegram despatched.
 6/1/97.

Marine (1896) Department.

CURRENT No. 1402

Soon

Order

From

The Chairman,
Harbour Trust Board,
Madras.

No. 3951.

Dated 15th Decr. 1896.

Despatched 19th „

Received 21 „ — „

Enclosure : one.* ✓

Spare copies : three. ✓

SUBJECT.

MADRAS HARBOUR.

Replying to (a) Memorandum No. 566E,
dated 12th November, enquiring whether
the Harbour Board agrees to purchase
plant for stopping passage of sand
through the South Arm, (b) Report from
Sir Alex. Rendel.

* The plan which accompanied Sir Alexander Rendel's Report.

G. O.	No.	Department.	Date.
5035C.		P.L.	21-12-96
800	abstract mar		12-12-96
814	mar	- too	24-11-96
813	8-8	- too -	23-11-96
41	Coby	- too -	9-2-96
529	W Coby	P.L.	11-2-96
30			
119	Coby	mar	26-2-96
20			
834	mar	mar	1-12-96
Shapers marked on the back			
5035C.		P.L.	21-12-96
860	mar.	mar	12-12-96
	(abstract)		
566	2.	"	12-11-96
814	mar	"	24-11-96
813	mar	"	23-11-96
834	mar	"	1-12-96
709	mar	"	14-10-96
668	9 mar	"	29-9-96
588	mar	"	28-8-96
536	mar	"	4-8-96
& file			

5. The Board is not at present in a position to arrive at any definite conclusion upon Sir Alexander Rendel's report, as to what should or should not be done with regard to the entrance, and the reported shoaling of it and the Roadstead. He does not

appear to consider the evidence before him as conclusive that shoaling of the Roadstead is taking place, nor do the Trustees; but in this connection the Board would again urge that a trained officer, whose report would be final and conclusive, should, at as early a date as possible, be deputed to make a survey, using the steam-launch "Lady Wenlock," which, it is understood, would be perfectly suitable, and in every way well adapted for carrying out the work.

6. The Board is strongly of opinion that the Harbour having been completed to the sanctioned design, no attempt should be made at present to do anything further in the way of construction, beyond the minor improvements, for the purposes of trade, lately submitted to Government. The sand bank along the South Arm can temporarily be dealt with by the dredger "Wenlock"; the question as to the necessity for the powerful vessel proposed by Sir Alexander Rendel, can lie over for consideration until it is proved that shoaling of the Roadstead is likely to effect the entrance to an appreciable, or dangerous, extent; and it does not appear that there is the least probability, or even possibility, of any very sudden shoaling taking place, to an extent calculated to interfere with the free use of the entrance.

In the meantime the Board would be glad to receive full particulars from the builders, with specifications, of the dredger which may become necessary, should the dredging which Sir Alexander Rendel recommends in certain eventualities, ever have to be undertaken.

I have the honour to be,

Sir,

Your obedient servant,

Rec

W. Rendel
Chairman.

Extracts of Proceedings of the Trustees of the Harbour of Madras, at a Meeting held at the Offices of the Board on Friday, the 4th day of December 1896.

3. Read G. O., No. 813, Marine, dated 23rd November 1896, forwarding for remarks, report from Sir Alexander Rendel.

Read minutes by Trustees.

Resolved that the Chairman is requested to address Government.

4. Read again Memo. No. 566 E, dated 12th November 1896, from the Secretary to Government, Marine Department, forwarding for report, telegram from the Secretary of State, dated 10th idem, enquiring if the Harbour Trust Board agrees to purchase a steam boiler, and other plant, at an estimated cost of £ 1,048 (including £ 657 for the boiler) for stopping passage of sand through the South Arm.

Read minutes by Trustees.

Resolved that the Board is not prepared, at present, to sanction the expenditure.

(True Extracts.)

C. PINSENT,
Secretary,
Harbour Trust Board.

PLAN OF MADRAS HARBOUR.

1895-96

Soundings reduced to Col: De Hayland's Mean Sea Level.

Scale 500 feet = 1 inch

Contour lines { Inside the Harbour 1895
Outside the Harbour 1893

Extension of South Breakwater

Present Entrance
to be filled up

New Entrance

High Water 21st March 1895

High Water 21st March 1895

1, 2, 3

*Plan to accompany
Sir A. Rendel's Report to the
Secretary of State, dated
23rd Sept^r 1896*

23rd Sept^r 1896

Post Off
Stables

Intercepting Sewer

Light House

S. M. Rendel
23/9/96

23/9/96

B L A C K T O W N