M.R.O. 1—10,006—28-2-50

(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. 2922-23 Press
B.P. ~~No.~~ ~~Mis.~~

Dated 31-10 2896 —195-.

Not to be folded or roughly handled

No. 520. Read the following letter from Navigating Lieutenant Frederick W. JARRAD, R.N., Deputy Superintendent of the Marine Survey of India, to Major-General G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, dated Madras, 21st October 1876, No. 5 (M.S):—

I HAVE the honor to inform you that a survey of the roadstead (on a scale of 200 feet = 1 inch) extending $1\frac{1}{4}$ miles north and south of the screwpile pier, and $1\frac{1}{2}$ miles seaward has been completed, and, should there be no objection, I propose returning to Calcutta by the next P. & O. Steamer due about 25th instant.

2. The above plan embraces, I think, an extent of coast sufficient for the purposes of the Harbour Works authorities, at least for the present. I therefore think it unadvisable to extend the survey now that the season has so far advanced, and my presence is urgently required in Calcutta to take charge of the survey party proceeding to Burmah.

3. Some delay was occasioned owing to the steam cutter not being available until the 1st instant, and the boat was for some days under repair in consequence of a heavy sea having struck her while being hoisted on to the pier.

4. I would take this opportunity of bringing to your notice the necessity for constructing a permanent tide gauge at Madras. The temporary gauge put up by the Master Attendant on the sea-face of the T head of the pier has fortunately worked very satisfactorily; but it is in such an exposed position that had any very heavy weather been experienced during the progress of the survey, it would probably have been swept away and all our work would have been rendered useless. As it will probably be desirable to re-examine the sections on the present plan periodically, I would suggest that immediate steps should be taken to construct a gauge.

No. 521. ORDER THEREON, 31st October 1876, No. 2,922.

CIVIL WORKS, No. 31.

ORDERED to be communicated to the Government of India, in continuation of letters, Nos. 1,598 of 26th June and 1,957 of 2nd August, with a view to the early provision of funds for the construction of a permanent tide gauge at Madras, which is considered so necessary by the Marine Surveyors who have just completed their work, as specified in the letter under notice.

2. There is no objection to the return to Calcutta of Lieutenant Jarrad, the work accomplished being considered by Messrs. Parkes and Thorowgood sufficient for present purposes, and his services being apparently under requisition by the Government of India for work elsewhere. The season also is too advanced to admit of more observations being made with accuracy and safety.

3. But it is desirable that those already made shall be repeated after the Harbour Works shall have further advanced, in order that the effect of these works on the general coast line may be accurately ascertained. The Government of India will accordingly be requested to permit the employment of Lieutenant Jarrad, or some other competent officer, on this duty immediately after the north-east monsoon of 1877, when the

extension of the survey to a distance, say of 3 miles north and south of the new harbour, may also be undertaken.

(Here enter No. 2,923, dated 31st October 1876.)

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Superintendent, Madras Harbour Works.
„ Deputy Superintendent, Marine Survey.
„ Marine Department.

Exd. E. C. Shunker.
Spare Copies

3

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 31*st October* 1876.

No. 522.

No. 2,923.

FROM

MAJOR-GENERAL G. W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

CIVIL WORKS, No. 32.

SIR,—I am directed to forward the accompanying copy of Proceedings of the Madras Government, No. 2,922, dated 31st October 1876, and to request the orders of the Government of India on the subjects referred to therein.

I have the honor to be,
Sir,
Your most obedient servant,

Major-General, R.E.,
Secretary to Government.

Exd. E. C. Shunker.
Spare Copies

No 5 (45).

From Navigating Lieutenant Frederick W. Sarrad R.N.
Deputy Supdt. Marine Survey of India

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

Madras October 21st 1858.

Sir,

I beg leave to inform you that a Survey of the Roadstead (on a scale of 200 feet = 1 inch) extending 1/4 miles north and south of the Screw pile Pier, and 1/2 miles seaward - has been completed, and I trust there will be no objection I propose returning to Calcutta by the next P & O Steamer due about 25th inst.

2. The above Plan embraces, I think, an extent of coast sufficient for the purposes of the Harbour Works Authorities, at least for the present: I therefore think it inadvisable to extend the Survey now that the season has so

far advanced, and my presence is urgently
required in Calcutta to take charge of
the Survey party proceeding to Burma.

3. Some delay unavoidably occurred in the
steam-cutter not being available until
the 1st inst; and the boat was for some
days under repair in consequence of a
heavy sea having struck her while being
hoisted on to the pier.

4 - I would take this opportunity of bringing to
your notice the necessity for constructing a
permanent Tide gauge at Madras. The tem-
porary gauge put up by the Assistant
at the sea face of the N head of the pier has
fortunately worked very satisfactorily, but it
is in such an exposed position, that had
any very heavy weather been experienced
during the progress of the Survey, it would
probably have been swept away and all
our work would have been rendered

useless. As it will probably be desirable to re-
-peat the sections on the present Plans period-
-ically, I would suggest that immediate steps
be taken to construct a gauge.

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

Frederick W. Jarrad.
Actg. Lieut. R.N.
Deputy Superintendent Marine Survey

P.W.D.
21 OCT 76
7595

No 520

From The Deputy Supt. Marine Survey of Ladies

Dated 21st October 1876.

Intimating the completion of the Survey of the Madras Roads-stead, and bringing to notice the necessity of constructing a tide gauge at Madras.

Rec'd 21/10/76

Ack'd 23/10/76

Rec'd 31st Oct 1876 3/9

By Supt: Marine Survey

From Madras C.E. No 5721 Oct 76

Ordered to be communicated to the Govt. of India in continuation of letters No 1598 of 26th June 1957 of 2d Augt; with a view to the early provision of funds for the construction of a permanent Pile Jetty at Madras; which is considered so necessary by the Marine Surveyors who have just completed their work, as specified in the letter under notice.

There is no objection to the return to Calcutta of Lieut. Jarrad

the work accomplished being conducted by Mess. Parkes & Thomas, some sufficient pro present purposes; but as this service being apparently under requisition by the Govt. of India for work elsewhere, it is desirable that the ~~services~~ ~~should be~~ ~~retained~~ also the services be advanced with of more observations being made with accuracy and safety.

It is also desirable that those already made should be repeated after the Harbour Work shall have further advanced in order that the effect of these work on the Tides may be ascertained with greater accuracy.

It would be desirable to be granted to permit the employment of Lieut. Jerrard, or some other competent officer, as this duty immediately after the Monsoon of 1877 - when the extension of the Survey to a distance, say of 3 miles North & South of the new Harbour, may also be undertaken.

Lyon.

H.E. No 2923 3/Dec/76 24.10

Sup^t. R. St. Works. ✓
Dy. Supt. Marine Survey ✓ Calcutta
Marine Dept. ✓

Disp'd - 3-11-76

From No 2923 d 31 Augt 76
To The Secy to Govt of Fort St George

I am directed to forward the accompanying copy of Proceedings of the Madras Board No 2922 d 30 Octr 1876, and to request the Orders of the Govt of India on the subjects referred to therein -

Recd - 3-11-76

Print -
Forwarded to Govt of India
21-10
Q.D. 1-11-76

No 520/22

595

Govt. of Madras.

1876

PUBLIC WORKS.

To The Supdt of the Madras Harbour Works

Dated

Issued

Recd. Encl.

G. O., 31st October 1876, No. 2922-23.

Nos. 520/22

Survey of the Madras Road

Read — Letter from the Supdt Harbr Marine Survey intimating the completion of the — and urging the necessity for the construction of a permanent Tide Gauge, ordered to be forwarded to the Govt of India

Forwarding Letter from the Supdt Harbr: Marine Survey intimating the completion of the Survey of the Madras Road Stead, and urging the

necessity for the construction of a permanent Tide Gauge.