2-6-10
1398 of ect.

18-5-15

Marine
5th June/95
159 - 160

INDEXED

7/6
14/6/95
17/6/95

Mangalore Harbour.

Forwarding to the Acctt Genl. for payment bill of tual travelling [illegible] fessional fee [illegible] Mr. G. T. Walch in con: with his third visit to Mangalore and addressing the Govt. of India in regard to the re-commendations made by Mr. Walch that a careful marine survey be made of the Mangalore anchorage coast bar & backwater and that regular tide-tables for Mangalore be prepared & published.

9 Copies

Mae, 11

vide G.O. R 112/3
Mar/ie 294-5 8/ 10/9/95

5th June 1895, No. 159, Marine.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

Read—the following paper :—

From G. T. WALCH, Esq., to the Chief Secretary to Government, dated Ootacamund, 24th May 1895.

I have the honour to state that I have now made my third and last visit to Mangalore under the authority conveyed in paragraph 1 of G.O., dated 21st September 1894, No. 377, Marine, and paragraph 2 of G.O., dated 1st November 1894, No. 419, Marine, and I enclose bill for my actual travelling expenses and memorandum of professional fee.

2. The first visit was reported on and dealt with in the former of the two Proceedings of Madras Government above referred to; the second was when I went to Mangalore in accordance with instructions about the dredger *Wenlock*—see my letter of 24th February; and the third was made so as to be at Mangalore during the exceptionally high and low spring-tides of 9th to 11th instant.

3. The changes which have taken place in connection with the Mangalore inner harbour, especially as regards its entrance, since my first visit in August, have been in the direction of deterioration, till now it is almost impossible for sea-going craft to get to the anchorage near the Custom-house, and they have to lie in a pool of small area just south of the harbour entrance nearly two miles from where they would wish to be for convenient discharge and shipment of cargo. Even boats carrying cargo to and from the ships in the roads can only get in and out of the entrance at certain stages of the tides.

4. I felt sure that when the action of the rivers issuing at the place ceased after the termination of the south-west monsoon rains, deterioration would set in and continue till the rivers were again in fresh, and the surveys and soundings taken from time to time by the Port Officer, Mr. Simpson, and by the Public Works Department Sub-Divisional Officer, Mr. Vas, to whom I am much indebted for his willing assistance, show pretty clearly the progress of the deterioration.

5. But there are no such records for previous years; in them it was customary to make once a year—and once a year only—a rough survey of the entrance, or entrances, to the backwater, with one set of soundings referred to an indefinite and annually varying datum, so that it has been found impossible to compare the soundings of any two years. To generalize from the available data is somewhat uncertain work.

6. Mr. Vas is making for me a large-scale plan of the existing state of the entrance, on which the Port Officer will enter the soundings, and it is not till after I receive this and have obtained information on certain points connected with different

kinds of work possible at the place, and so on, that I can submit definite proposals; in the meantime, however, I beg to offer for the consideration of Government the following recommendations, viz.:—

(*a*) That a careful marine survey be made as soon as possible, by the Marine Survey Department of the Government of India, of Mangalore anchorage, coast, bar and backwaters from "Sultan's Battery" on the north to "Ullal" on the south and to Jeppu ferry on the east. (The soundings, &c., of this season, though the Port Officer took much trouble with them, were carried out with very rough appliances and men quite untrained to such work.)

(*b*) That in every October (after the south-west rains have ceased to fill the rivers)—in every January—and in every April, surveys and soundings in connection with the bar and entrance be made by the local Marine and Public Works Department officers, and the bar and entrance efficiently buoyed according to the state of affairs obtaining at the time. (Only one small buoy, difficult to see, is now placed at about the middle of the bar.)

(*c*) That regular tide-tables be prepared and published, and that for this purpose the Survey Department of the Government of India arrange as soon as possible for the necessary observations by means of the usual self-registering tide-gauge. (In connection with this I would suggest the advisability of adopting the datum to which all this season's soundings have been referred—viz., 6′-36 below a ~~head~~ bench mark $\overset{\text{G. T. S.}}{\text{B. M.}}$ on the fourth step of landing steps near the Custom-house; that datum is approximately lowest spring-tide level.)

7. Mangalore is a port of sufficient importance—an importance likely to be soon greatly increased—to make it highly desirable that it should be provided with, at all events, the very ordinary facilities towards its use here recommended.

ENCLOSURES.

BILL of actual Travelling Expenses, Ootacamund to Mangalore and back.

Date.	Voucher number.	Particulars.	Account. RS.	A.	P.
May 2nd ..	1	Return tonga ticket	34	0	0
,, 1st ..	..	Paid for bandy for servant and luggage to Méttupálaiyam	3	0	0
,, 2nd ..	..	Railway, Méttupálaiyam to Calicut, for self (1st class), servant (third class) ..	10	3	0
,, 3rd ..	..	Conveyance self and luggage at Calicut	1	4	0
,, 6th ..	..	Paid boat embarking	2	8	0
,, 9th ..	..	Do. self, servant and luggage landing at Mangalore	3	8	0
,, 11th ..	..	Do. do. do. embarking at Mangalore	4	0	0
,, 13th ..	..	Paid boat landing at Calicut and conveyance servant and luggage to station.	4	8	0
		Railway self and servant Calicut to Méttupálaiyam	10	3	0
		Paid bandy for servant and luggage, Méttupálaiyam to Ootacamund ..	9	0	0
,, 6th ..	2	Steamer return ticket Calicut to Mangalore and back self and servant ..	86	0	0
		Total, actual travelling expenses ..	168	2	0

MEMORANDUM of Professional fee for third visit to Mangalore.

		RS.
Left Ootacamund 2nd May Returned to Ootacamund 15th May	14 days at Rs. 50	700

ORDER—dated 5th June 1895, No. 159, Marine.

The bill will be forwarded to the Accountant-General for payment and adjustment against the Mangalore Landing and Shipping Dues Fund.

2. The Government of India will be addressed in regard to paragraph 6 (*a*) and (*c*) of Mr. Walch's letter.

3. The Presidency Port Officer will arrange, in communication with the Public Works Department, for the surveys and soundings and for the buoying of the entrance to the harbour as recommended in paragraph 6 (*b*).

4. A further report by Mr. Walch will be awaited. His remark in regard to the assistance rendered to him by Mr. Vas will be brought to the notice of the Public Works Department.

[Here enter No. 160, dated 5th June 1895.]

(True Extract.)

Chief Secretary.

To the Presidency Port Officer.
,, Public Works Department.
,, Accountant-General.
,, Collector of South Canara.
,,

G. J. Walch Esq.

Exd. A. Raitt

Govt. of {1895} Madras

MARINE.

Issued

Recd. Encl.

G.O., 5th June 1895, No. 159.

JUNE.

Mangalore Harbour.

Forwarding to the Accountant-General, for payment, bill of actual travelling expenses and professional fee submitted by Mr. G. T. Walch in connection with his third visit to Mangalore; and addressing the Government of India on the recommendations made by Mr. Walch that a careful marine survey be made of the Mangalore anchorage, coast, bar and backwaters, and that regular tide-tables for Mangalore be prepared and published.

5th June 1895, No. 160, Marine.

MARINE DEPARTMENT.

Letter—from

The CHIEF SECRETARY to the GOVERNMENT of
FORT ST. GEORGE,

To

The SECRETARY to the GOVERNMENT of INDIA,
Marine Department.

Sir,

In July 1894 Mr. Walch, late Chief Engineer, Public Works Department, was deputed to report on the Mangalore harbour in view to its improvement. Mr. Walch has now visited Mangalore on three occasions and has collected much valuable information in connection with the harbour. Soundings have been taken by the local Port Officer, but the appliances available were very rough and the men employed were quite untrained for such special work.

2. Mr. Walch feels very much the want of data based on periodical soundings, but unfortunately none have hitherto been taken. He therefore recommends that a careful marine survey be made as soon as possible of the Mangalore anchorage, coast, bar and backwaters from "Sultan's Battery" on the north to "Ullal" on the south and to Jeppu ferry on the east.

3. This Government agrees with Mr. Walch as to the necessity for the proposed survey and I am to express the hope that it may be found convenient to have it carried out at an early date by the Marine Survey Department.

4. Mr. Walch also considers it very desirable that regular tide-tables for Mangalore should be prepared and published, and I am to enquire whether early arrangements can be made by the Marine Survey Department for the necessary observations being taken by means of the usual self-registering tide-guage. In this connection Mr. Walch suggests the advisability of adopting the datum to which all last season's soundings were referred, viz., 6'–36 below a ~~head~~ bench mark $\overset{\text{G.T.S.}}{\underset{\text{B. M.}}{\uparrow}}$ on the fourth of the landing steps near the Custom-house, which is approximately the lowest spring-tide level.

5. Mangalore is at present a port of considerable importance which would be largely increased in the not improbable event of its being connected with the interior by a railway. It is very desirable that shipping facilities, which are under present conditions impossible, should be secured for it.

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

Ootacamund,
5th June 1895.

J. F. PRICE,
Chief Secretary.

Exd. A. Raitt.

1895.

MARINE DEPARTMENT.

From the Government of
Fort St. George.

Issued

Recd. *Encl.*

Letter, 5th June 1895, No. 160.

JUNE.

Mangalore Harbour.

Requesting the Government of India to have a marine survey made of the Mangalore anchorage, coast, &c., by the Marine Survey Department.

Mar C No. 327 loose p 2.5.95
~ Go 77 d 13-3-95 Mis
- 79 d 13-3-95 Mis about ret put up
- 63 d 25-2-95 Mis
- 49 d 1-11-94 Mis
- 389 d 2-10-94
- 377 d 21-9-94 and
Intact papers about Mangalore Harbour

[G / 9]
2,000—23-1-95.

Current No. 396

Marine DEPARTMENT.

From
G. T. Walch Esq.
Eckford,
Ootacamund

No.

Dated 24th } May 1895.
Received 27th }
Regd. 28th }
Enclosures — one

SUBJECT.

Informing that he had made his third and last visit to Mangalore and submg: bill for his actual travelling expenses and memo. of Professional fee.

1

CURRENT No. 396 18

Eckford
Ootacamund
24th May 1895

To
The Chief Secretary
to Government
Stonehouse Hill

Mar: 1598 of 576

Sir—

I have the honour to state that I have now made my third and last visit to Mangalore under the authority conveyed in para 1 of G.O. No 377 Marine 21/9/94 and para 2 of G.O. 419 Marine 1/11/94, and I enclose bill for my actual travelling expenses and memorandum of Professional fee—

2— The first visit was reported on & dealt with in the former of the two G.O.s above referred to; the second was when I went to Mangalore in accordance with instructions about the dredger "Wenlock", see my letter of 24th February; and the third was made so as to be at Mangalore during the exceptionally high & low Spring tides of 9th to 11th Inst.—

3 The changes which have taken place in connection with the Mangalore river harbour, especially as regards its entrance, since my first visit in August, have been in the direction of

[illegible] season, till now it is almost
impossible for seagoing craft
[illegible] the anchorage near the
[illegible] [illegible], and they have to
lie in a pool of small area just
down [illegible] the harbour entrance,
[illegible] [illegible] from where they
would wish to be for convenient
discharge and shipment of
[illegible] [illegible] boats carrying
cargo to and from the ships
[illegible] also can only get in
[illegible] the entrance at
[illegible] stages of [illegible] tide. —
4 — [illegible] [illegible] when
the [illegible] [illegible] [illegible]
[illegible] the place [illegible] after
the commencement of the S.W. monsoon
rains [illegible] [illegible] would
set in and continue till
the rivers were again in flood,
[illegible] [illegible] and soundings
taken from time to time [illegible]
the Port Officer Mr Simpson and by
the P.W.D. [illegible] officer,
Mr [illegible] [illegible]
[illegible] assistance,
[illegible] clearly [illegible]
determination
5 — [illegible] [illegible] records
for previous [illegible]
uncertainty to make [illegible]
a [illegible]
of [illegible] entrance
[illegible] with [illegible]
[illegible]
[illegible] [illegible]
[illegible]

[illegible] been found impossible
to compare the soundings of
any two years. — To [illegible],
from the available data is
somewhat uncertain work. —
6 — Mr Vas [illegible] making for me a
large scale plan of the existing
state of the entrance, on which
the Port Officer will enter the
soundings, and it is not till
after I receive this and have
obtained information on certain
points connected with different
kinds of work possible at the
place, & so on, that I can
submit definite proposals. —
In the mean time however I beg
to offer for the consideration of
Government the following recommendations. Viz. —
(a) That a careful [illegible] survey be
made as [illegible] as possible, by
the Marine Survey Department of
the Government of India, of Mangalore
anchorage, coast, bar, and
backwaters from Sultan's battery
on the North to Ullal on the South
and to Jeppoo [illegible] on the East.
(The soundings of this season,
though the Port Officer took much
trouble with them, [illegible] [illegible]
with rough appliances and
men quite untrained to such work.)
(b) That in every October, after the S.W.
rains [illegible] ceased to fill the rivers,
in every January, — and in May before
[illegible] a survey and soundings in connection
with the harbour entrance be made
by the Local Marine and P.W.D.

Officers, & the bar and entrance sufficiently buoyed according to the state of affairs obtaining at the time (Only one small buoy, difficult to see, is now placed, at about the middle of the bar.)

(c) That regular tide-tables be prepared and published, & that for this purpose the Survey Dep^t of the Gov^t of India arrange as soon as possible for the necessary observations by means of the usual self-registering tide-gauges — (In connection with this I would suggest the advisability of adopting the datum to which all these recent soundings have been referred — viz 6'.36 below a bench mark G.T.S B↑M on the 1st step of landing steps near the Custom house. That datum is approximately Lowest Spring tide level.)

+ 8.93

7. Mangalore is a port of sufficient importance, an importance likely to be soon greatly increased, to make it highly desirable that it should be provided with, at all events, the very ordinary facilities towards its use here recommended.

I have the honour to be
Sir
Your most obedient Servant
C. Walch

Marine C.

Order dy 5th June 1895 No. 159

R.S / The bill will be forwarded to the Acct. Genl. for payment and adjustment against the Mangalore Landing and Shipping Dues Fund.

W
2 June

2 The Govt. of India will be addressed in regard to para 6 (a) and (c) of Mr. Walch's letter.

3 The P.P.O. will arrange in communication with the P. W. Dept for the surveys and soundings and for the buoying of the Entrance to the harbour as recommended in para 6 (b).

4 A further report by Mr. Walch will be awaited. His remark in regard to the assistance rendered to him by Mr. Vas will be brought to the notice

notice of the P. W. Dept.

To
The P. P. O.
The P. W. Dept.
The Acct Genl (with the bill.)
The Collr: of South Canara
G. T. Walch Esq - Despd 28-8-95?

despd 15/6/95

despd 17/6/95

Letter No. 160

Despd 5/6

To
The Secretary to the Govt of India
Marine Dept

Sent 14/6/95

Sir

In July 1894 Mr Walch late chief Engineer P.W.D. was deputed to report on the Mangalore harbour in view to its improvement. Mr Walch has now visited Mangalore on three occasions and has collected much valuable information in connection with the harbour. Soundings have been taken by the local Port Officer but the appliances available were very rough and the men employed were quite untrained for such special work.

W
2 June

2. Mr Walch feels very much the want of data based on periodical soundings but unfortunately none have hitherto been taken. He therefore recommends that a careful Marine survey be made as soon as possible of the Mangalore Anchorage, Coast, bar, and backwaters from "Sultan's battery" on the north to "Ullal" on the South and to Jeppu ferry on the East.

3 This Govt agrees with Mr Walch as to the necessity for the proposed survey and I am to express the hope that it may be found convenient to have it carried out at an early date by the Marine Survey Dept.

4. Mr Walch also considers it very desirable that regular tide-tables for Mangalore

Mangalore should be prepared and published, and I am to enquire whether early arrangements can be made by the Marine Survey Dept. for the necessary observations being taken by means of the usual self-registering tide-guage. In this connection Mr. Walch suggests the advisability of adopting the datum to which all last season's soundings were referred, viz- 6'-36 below a head mark

G.T.S on the fourth of
B.M the landing steps

near the Custom House, which is approximately the lowest Spring-tide level.

5. Mangalore is at present a port of considerable importance which would be largely increased in the not improbable event of its being connected with the interior by a railway. It is very desirable that shipping facilities should be secured for it. which are ~~at~~ under present conditions impossible.

J.D.B.
1/6/95.

J.D.
1/6/95

[R. O.]
7-09

MADRAS RECORD OFFICE.

Block No.

Paper taken out of the Records from the charge of the Referencer,

Rack No.
Range.

Dept. Marine Press / Mis. / Rout. No. ____, dated 5-0 19

Date taken out.	For what purpose.			Initials of Referencer.	Date returned.	Initials of attender.
	Department.	C. No.	Year.			
6 1 10	M	11				[illegible]
8-12-20.	V	10793	[illegible]		25-6-15	[illegible]
18-5		20	1652			

Date taken out.	For what purpose.			Initials of Referencer.	Date returned.	Initials of attender.
	Department.	C. No.	Year.			

CURRENT. No. 377

Heading.

No. 695 G / 125

PRESIDENCY PORT OFFICE,
Madras, 21st May 1895.

From
Commander W. Powell, R.I.M.,
PRESIDENCY PORT OFFICER,
Madras,

To
THE CHIEF SECRETARY TO GOVERNMENT,
MARINE DEPARTMENT,
Fort Saint George.

SIR,

With respect to G.O., Marine, No. 132, dated 13th May 1895, I have the honor to state that it is better to leave the "Wenlock" in a thoroughly safe anchorage like Tuticorin until her services are actually required at Madras. The vessel can come up from Tuticorin at any time of the year, except just at the burst of the North East Monsoon.

2. In view of keeping the vessel in good order, I do not recommend further reduction beyond that of a seacunny on Rs 25/- and Engine driver on Rs 70/-. These men will at once

once be served with a [illegible]onth's notice and provided with a free passage to Bombay in terms of their agreement.

I have the honor to be,
Sir,
Your most obdt: servant,
Walter Beale
Commander, R.I.M.,
Presy: Port Officer

CURRENT No. 377

Mar G.O. No 132 d/ 13-5-95 Mis
" " 91 d/ 25-3-95 "

Marine (1895) DEPARTMENT.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

No. 695/125 G

Dated 21 }
Received 23 } May 1895.
Regd 24

No.

CHIEF SECRETARY
23 MAY 1895
GOVERNMENT OF MADRAS

Subject.

Stating that it is better
leave the "Wenlock" in
thoroughly safe anchorage
te Tuticorin until her
rvices are actually
quired at Madras.

To await report of Ent No. 1044

WITH ORDER

H. E. the Governor

Order d/ 6th June 1895 W
No. 161 4 June

Approved

31/5/95

JSB
29/5

C 8/6

Ixd

P. P. Officer despd 12/6/95

P. W. D. Despd 12/6

C 1/6
23/6

BACK PAPER, No.

FURTHER PAPER, No.

AGAIN ORDER OF GOVERNMENT, DATED
189 , No. , MISCELLANEOUS.

LOSURES.

CURRENT No.

STATEMENT WITH DITTO.

ORDER OF GOVERNMENT .. .. .. A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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