M.R.O. 1—4,002—16 9-48.

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(3) Initials of the Referencer

MADRAS RECORD OFFICE

Government of Madras

Public Work DEPARTMENT.

G.O. No. 3490 (W) Press
B.P. No. Mis.

Dated 19.12. 1876.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, *19th December* 1876. *No.* 3,490.

No. 483. Read the following letter from W. PARKES, Esq., M. INST. C.E., Engineer-in-Chief, Madras Harbour Works, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 12th December 1876:—

I HAVE the honor to acknowledge receipt of the Government Order passed on my Report, dated 30th November 1876.

2. I observe that, in the last paragraph, Government requires me to remain at Madras until the success of certain works now in progress is assured, and until certain observations of the sea bottom are completed.

3. With regard to the first object, I am glad to have the sanction of Government, to remaining here over a period of some anxiety, though the matter being a purely executive one I should not have felt justified in myself proposing to prolong my stay on this account.

4. With regard to the second point, however, I think the Government can hardly have realized the extent of their proposal. It is suggested that there may be, under some circumstances, a deep current, and an action on the bottom of the sea not yet ascertained. I admit the possibility of this, and the desirability of testing it, but I would remark that it cannot be satisfactorily done except by observations extending over many months, so as to include all varieties of seasonal influence. At present there is not even a surface current. A day or two of steady northerly breeze might produce one, and if so the bottom will be again examined, but if the result of this examination should be, as is most likely, to show that there is no bottom current, under such circumstances it would be by no means right to conclude that there would be none under the more powerful and persistent influences to which the regular monsoons are due. It would be obviously impossible for me to remain at Madras for the result of observations in the next monsoon season.

5. Moreover, as the question which it is suggested it may affect is the form of entrance, its determination will not be urgent for at least two years.

6. I would therefore respectfully request authority to delegate to the Superintendent the duty of making such observations on this point as I may not be able to make during my stay for the first object named by the Government.

No. 484. ORDER THEREON, 19th December 1876, No. 3,490.

CIVIL WORKS, No. 30.

HIS GRACE the Governor in Council observes that there is no desire to detain Mr. Parkes an unreasonable time at Madras, but sees no reason why some simple experiments calculated to test the nature of any movement of sand or action of currents that may be taking place at or beyond the ends of the proposed piers should not be at once carried out under Mr. Parkes' guidance. A recent examination indicated sand in suspension at 6 fathom line in fair weather. It seems highly desirable to determine whether the same conditions prevail at 7 fathoms. This may probably be effected by placing, during fine weather, some large and heavy object on the bottom and watching whether the

Proceedings of the Madras Government, Public Works Department,
19th December 1876. *No.* 3,490.

obstruction thus offered causes the accumulation of sand or not. Some such simple expedient may also be devised for testing the currents. Mr. Parkes should organize the arrangements necessary for giving effect to these suggestions, and start the experiments. The details of observations may then be left to the local executive.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To W. Parkes, Esq., M. Inst. C.E.
To the Superintendent, Madras Harbour Works.

From W. Parkes Esqre. M.I.C.E. Engineer-in-Chief Madras Harbour Works dated 12th Decr. 1876.

FOR ORDERS.

G. W. Walker Major Genl. R.E.
Secretary to Govt. P.W.D.
[illegible]

I quite concur in the remarks & I would order the simple experiments suggested to be carried out.

Concur - [illegible]

The C.E. directs to organize the system of observation required

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

FOR ORDERS.

9009 Harbour

417/
31 Jan/77

e. 12.12.76, 18.12

Madras Harbour

From W. Parkes Esq M. Inst. C.E
Engineer in Chief. Harbour Works
To The Secretary to Government
Public Works Department

Madras 12 Decr. 1876

Sir,

I have the honor to acknowledge receipt of the Government order passed on my report dated 30 November 1876 -

2. I observe that in the last paragraph Government requires me to remain at Madras until the success of certain works now in progress is assured, and until certain observations of the sea bottom are completed -

3. With regard to the first object I am glad to have the sanction of Government to remaining here over a period of some anxiety, though the matter being a purely executive one, I should not have felt justified in myself proposing to prolong my stay on this account.

4. With regard to the second point however I think the Government can hardly have realized the extent of their proposal. It is suggested that there may be, under some circumstances, a deep current, and an action on the bottom of the sea not yet ascertained. I admit the possibility of this, and the desirability of testing it, but I would remark that it cannot be satisfactorily done except by observations extending over many months so as to include all varieties of seasonal influence. At present there is not even a surface current. A day or two of steady Northerly breeze might produce one, and if so, the bottom will be again examined, but if the result of this examination should be, as is most likely, to shew that there is no bottom current under such circumstances, it would be by no means right to conclude that there would be none under the more powerful and persistent influences to which the regular monsoons are due. It would be obviously impossible for me to remain at Madras for the result of observations in the next Monsoon season.

5. Moreover as the question which it is suggested it may affect is the form of Entrance, its determination will not be urgent.

P.W.D.
12DEC76

for at least two years -

6 - I would therefore respectfully request authority to delegate to the Harbour Superintendent the duty of making such observations on this point as I may not be able to make during my stay for the first object named by the Government

I have the honor to be
Sir
Your most obedient servant

W Parkes -

W. Parkes Esqre
Dated 12th Decr 1876

Offering observations in regard to his remaining at Madras, until the success of certain Madras Harbour Works now in progress

G.O. No. 3343 d/9 Decr 1876.

No 483

C. 12.12.76, 18.12.76

Works 11

Public Works Department.

No 3490

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 19 Decr 76

Read the following

From W. Parkes Esq (H.E. Wakes 12 Decr 76)

His Grace the Governor in Council observes that there is no desire to detain Mr Parkes an unreasonable time at Madras, but sees no reason why some simple experiments calculated to test the nature of any movement of sand or action of currents that may be taking place at or beyond the ends of the proposed piers should not be at once carried out under Mr Parkes' guidance.

A recent examination indicated sand in suspension at 6 fathom line in fair weather. It seems highly desirable to determine whether the same conditions prevail at 7 fathoms. This may probably be effected by placing, during fine weather, some large and heavy object on the bottom and watching whether the obstruction thus offered causes the accumulation of sand or not. Some such simple expedient may also be devised for testing the currents. Mr Parker should organize the arrangements necessary for giving effect to these suggestions, and start the experiments. The details of observation may then ~~probably~~ be left to the local Executive.

G.M.W.

W. Parkes Esq. M.I.C.E. } Re I Copy Despd 19/12/76
Supt. M. H. Works. }

Despd 28/12/76

9609/ 17

Govt. of 1870 Madras.

PUBLIC WORKS.

21-12-70

To W. Parkes Esqre Madras C.E.

Dated

Issued

Recd.

Encl.

G. O., 19th Decr 1870, No. 2490

Nos. 2877/4

Madras Harbour Works

Issuing orders regarding the detention of Mr. Parkes in Madras on account of the —

Entd in Regr