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(2) Date of repair 57.9.87

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P W

DEPARTMENT

G.O. No. 2549 W
B.P. No.

Press.
Mis.

Dated 18 — 10 — 1881 ~~197~~

V. S. M

Not to be folded or roughly handled

2549
GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

18th October 1881, No. 2549 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 84. Despatch from the Most Honorable the Secretary of State for India.

Public Works.

INDIA OFFICE, LONDON,
8th September 1881.

No. 30.

SIR,—Herewith is transmitted for the information of your Government copy of a report which has been submitted to me by Mr. W. Parkes, C.E., on the progress made with the Madras Harbour Works during the quarter ended the 30th June 1881.

I have, &c.,

His Excellency the Honorable
The Governor in Council, Fort St. George.

(Signed) HARTINGTON.

From W. PARKES, Esq., C.E., Engineer-in-Chief, Madras Harbour Works, to the Under Secretary of State for India, India Office, dated 23, Abingdon Street, 11th August 1881.

MADRAS HARBOUR.

Report of Progress for the quarter ending 30th June 1881.

APPENDED is a plan showing the state of the above Harbour Works on the 30th June last.

2. The months of May and June are always unfavorable for work, and this year the rough weather has been of more than ordinary long duration, although there have been no seas of considerable force. For this reason the progress even at the south pier, where there has been no cause of delay except the weather, has been less than in the corresponding quarter of the two previous years, the length built being 192 feet as compared with 180 and 217 in 1879, and 280 and 255 in 1880 at the north and south piers respectively.

3. The cause of delay at the north pier was explained in my report on the quarter ending 31st March, and more fully in a letter, dated 18th July, addressed to the Government of Madras, of which a duplicate was submitted to the India Office. The portion of work which failed was set and taken up again in April, and was reset in the latter part of June. Up to the date of my last advices (by telegram of 1st August) the progress was further suspended for the settlement of a question of detail which could not be properly decided except upon consideration of a full statement of reasons, both by myself and Mr. Thorowgood, and this could only be given by exchange of letters. Everything, however, is ready for the rapid completion of this pier as soon as this question is decided.

4. The rubble base is completed at the north pier and very little remains to be deposited at the south pier. The whole of the concrete blocks are now made for both piers.

5. The two steam hopper barges have been fitted as a floating platform from which to put down the screw moorings, but the actual work had not been commenced at date of my last advices. Most of the materials for the moorings had arrived out, but a small portion, though nearly completed by the manufacturers, are not yet shipped.

6. Considerable progress has been made in levelling and metalling the surface of the beach according to the plan recommended by me and sanctioned by the Government while I was at Madras early in the present year. This is being executed from funds in the hands of the Marine Department and not from the grant for the harbour works.

7. There is not much to remark upon in the changes of the shore line south of the harbour. The advance as compared with June 1880 is less than in previous years, but as the advance is now in progress the present is not a good time for comparison. It will be observed that, as in former years, the beach has receded near the pier since March.

8. The changes within the harbour are rather curious. It will be seen that in the northern half the shore line has receded about 150 feet, while in the southern half there is little apparent change. In the corresponding quarter of last year, the beach was cut away in the northern half and advanced in the southern half, showing a southerly movement during the south-west monsoon, which was reversed in the north-east monsoon, but these movements produced neither waste nor accumulation on the whole. This year shows a waste, but it is easily accounted for. The sand with which the colored portion of the beach is raised was taken from near the water line within range of the surf. The surf restored the regularity of the slope, but of course left the water line further in-shore. The sand was taken from along the whole line, but the southerly drift brought sufficient sand southwards to restore the line in one part, while it increased the apparent erosion in the other part.

9. It was originally intended to obtain the sand for raising the beach from the accumulation south of the harbour, as it was considered that the width of the beach within harbour limits was not more than was required, but it was found that it would be more convenient, and scarcely more costly, to take the sand in the first instance from the nearest spot and replace it if required at some future time by new sand brought from outside the harbour.

10. It is certainly very curious that, with the sheltering breakwaters so nearly completed, there should be enough surf at the beach, not only to flatten down the irregularities caused by the excavation, but even to maintain, though in a reversed direction and in a less degree, the along-shore movement of the sand. The result of further observations on the amount of swell which enters the harbour and of surf which beats upon the beach will be of much interest and importance.

11. The beach north of the harbour beyond the stone revetment has been cut away as at the corresponding seasons in previous years, but not to an extent to cause any alarm. The protective works have been extended about 80 feet along the beach.

I have not yet received the statement of expenditure to the end of June.

No. 85.

ORDER THEREON, 18th October 1881, No. 2549 W.

ORDERED to be recorded.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

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

Ed. E. C. Shunker.
Spare Copies

2549
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BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1881) Madras.

PUBLIC WORKS.

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

&c. &c. &c.

Dated October, 18th.

Issued

Recd.

Encl.

G. O., 18th October 1881, No. 2549 W.

OCTOBER.

Nos. 84-85.

Madras Harbour Works.—Despatch from the Secretary of State transmitting copy of a report by Mr. Parkes on the progress made with the — during the quarter ended the 30th June 1881, recorded.

1709

Public Works

No. 30.

4. 11. Aug. 1881.

India Office,
London. 8th September, 1881.

2549

3

Sir,

Herewith is transmitted for the information of your Government, copy of a report which has been submitted to me by Mr. W. Parkes, C. E. on the progress made with the Madras Harbour Works during the Quarter ended the 30th June 1881.

I have the honor to be,

Sir,

Your most obedient
humble servant

Matthews

His Excellency
The Honorable
The Governor in Council,
Fort Saint George.

Go. 16-8-81 - 2011 W
20-8-81 2077 W

No. 14 B & P
P. H. C. No 5968
Public Works
5th Sep. 1881

The
Letter to Genl. H. G. G.
No 30

Recd. 17 Oct. 81

X
No 2549 W. dated 18th Oct. 81

Recorded.

Att
15/10/81

Supl. M. H. W. or H.
Marine Dept.

Recd.

21-10-81

W. S. 10
Am. 12.10.81. At. 15.10.81.
M. 15.10.81. 17.10.81.

1709

Madras Harbour. 2549

Report of Progress for the Quarter ending
30th June 1881.

23. Abingdon Street,
11 August 1881

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30th June last.

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with 180 and 217 in 1879, and 200

and 255 in 1880 at the North and South

The Under Secretary
of State
in his office

Piers

Piers respectively.

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5. The two steam hopper barges have been fitted as a floating platform, from which to put down the screw borings but the actual work had not been commenced at date of my last advice. Most of the materials for the moorings had arrived out, but a small portion though nearly completed by the manufacturers, are not yet shipped.

6. Considerable progress has been made in levelling and metalling the surface of the beach according to the plan recommended by me and sanctioned by the Government while I was at Madras early in the present year. This is being executed from funds in the hands of the Marine Department and not from the grant for the Harbour works.

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2549-SPS
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Edw. W. Parker.

2549
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No 5/ 1709

Copy Report by Mr. W. Parker,
dated 11th August 1801.

Referred to in Public Works Letter
No. 30, dated 8th Sept 1801.

2549
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C. N. 5968.

Govt. of (1881) Madras.

PUBLIC WORKS.

To

Notes

Issued

Recd.

Encl.

G. O. 18th Octr 1881, No. 2549 W

Nos. 84 to 85

Madras Harbour Works.

Despatch from the Secy of State
transmitting copy of a report
by Mr. Parkes on the progress
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Satd. in Receipt Book