

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

10th September 1879, No. 2,320 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 37. From F. N. THOROWGOOD, Esq., M. INST. C.E., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads, Fort St. George, dated Madras, 29th August 1879, No. 29 W.

I HAVE the honor to lay before His Grace the Governor in Council a brief account of the present state and prospects of the cement supply to these works, and what I propose to do for the future.

2. In order to finish the whole of both breakwaters as now designed there are required 6,912 concrete blocks, of which there are only 500 now on stock, leaving a balance of 6,412 to be made. Roughly speaking these will require 12,824 tons of cement in their manufacture.

3. In addition to this requirement, cement is largely used for building in the railways on the piers, and a very large amount will be required for the intercepting sewer along the beach. I estimate that not less than 1,200 tons should be allowed for these purposes and for contingencies, bringing the total amount required at date to 14,000 tons (about).

4. Of this quantity there is still due on the Order of 21st January 1879 1,369 tons, and on the order of June last 3,000 tons more, making 4,369 tons already provided for from England, and leaving a balance of 9,631 to be still procured.

5. Now, it is essential for the rapid completion of these works that the whole of this 9,631 tons should be here in Madras by December 1880 at the latest.

6. As General Morgan's cement is now of a certain good quality, and his supply tolerably regular, I will consider that for the next twelve months he keeps up a rate of delivery of 450 tons a-month. He never yet has succeeded in reaching this rate of supply,* but I will give him credit

* 340 tons is the greatest quantity up to date. for that quantity per month in the hopes that his machinery, &c., will be improved shortly so as to increase his outturn. I have in the meantime written to him to know what is the maximum quantity he can bind himself to supply regularly per month, and my figures may need correction on receipt of his reply, but it may safely be assumed that 450 tons a-month will never be exceeded as a regular rate.

7. Allowing then 450 tons a-month for twelve months as the amount that can be provided in India (for I can get no satisfactory intelligence from Calcutta), or a total of 5,400 tons in the year, there remains 4,231 tons yet to be ordered from Home.

8. The rate at which the 3,000 tons of cement ordered in January 1879, by telegraph, is being supplied, makes it quite clear that a long notice is desirable for although eleven steamers and two sailing ships have arrived with portions of that order, there is still nearly 1,500 tons due, and a stoppage of work for a few weeks is inevitable as the next ship will not be here till October.

9. I therefore shall shortly submit to Government, through the usual course, an indent for 4,300 tons of cement from England to finish the works, accompanied with a request that the shipment may commence not later than the early part of December 1879, and that the whole may be delivered here by the end of 1880.

10. I have submitted this statement with a view towards explaining beforehand my reason for indenting for 4,300 tons, and in the hope that Government will be pleased to consider the indent favorably and sanction a prompt compliance with the order.

No. 38. From Lieutenant W. L. C. BADDELY, R.E., Acting General Superintendent, Public Works Stores and Workshops, to the Deputy Chief Engineer, Public Works Department, dated Madras, 1st September 1879, No. 543 S.

I HAVE the honor to forward for submission to Government a special indent on the Home Government from the Superintendent, Madras Harbour Works,* for 4,300 tons of Portland cement, required for use on the Harbour Works.

One indent in Triplicate.

*No. 8 of 29th August 1879.

No. 32 S, 29th August 1879.

2. A copy of Mr. Thorowgood's letter accompanies the indent.

From F. N. THOROWGOOD, Esq., Superintendent of Madras Harbour Works, to the General Superintendent, Public Works Stores, dated Madras, 29th August 1879, No. 32 S.

I HAVE the honor to submit herewith a special indent for 4,300 tons of cement for these works, and I beg that you will forward it through the usual course with all possible expedition.

2. The cement ordered in it must be delivered here in Madras by December 1880, and the shipments should commence to leave England not later than December of this year.

3. I have already explained to Government my reasons for asking for this amount, so that there may be as little need for further explanation as possible.

No. 39. ORDER THEREON, 10th September 1879, No. 2,320 W.

ORDERED that the special indent be forwarded to the Secretary of State.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

*Suptt Madras Harbour.
General Morgan*

Exd. S. T. Austin.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1879) Madras.
PUBLIC WORKS.

Dated September 10th.

Issued

Recd.

Encl.

G. O., 10th September 1879, No. 2,320 W.

SEPTEMBER.

Nos. 37-38.

Madras Harbour Works.—The special indent for 4,300 tons of Portland cement for the —, forwarded to the Secretary of State.

PUBLIC WORKS LETTER FROM OOTACAMUND,

Dated 5th September 1879, No. 50.

MY LORD,—In continuation of our despatch No. 44, of the 8th August 1879, we have the honor to forward for compliance a special indent submitted by the Superintendent, Madras Harbour Works, for 4,300 tons of cement. We append a copy of Mr. Thorowgood's letter, No. 29 W, dated 29th August 1879, in which the necessity for the application is fully explained.

Exd. S. T. Austin.

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Mis. N^o 3087 & of 3^d December 1879

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Public Works

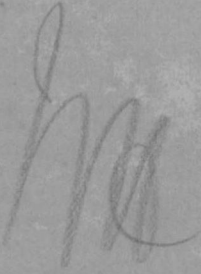
No. 25.

India Office, London
6th November 1879

My Lord Duke,

I have received
your letter in the Public
Works Department dated
5th Sept^r last, No. 50
forwarding an Indent
for 4,300 tons of cement
and I have sanctioned
compliance with the
Indent.

I have the honor to be
My Lord Duke
Your Grace's most
obedient humble servant


Graham

His Excellency
The Most Noble
The Governor in Council
Fort St George.

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P.W.D.

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Sp 5

8584

Public Works

6th November 1879

The
Secy to Govt St. George

Sp 25.

This No 3087 W d/3 Dec 79

Remd. to the
Supt. M.H. Marks,
with reference to
G.O. No. 2320 W
dated 10th Sept^r.

1879.

D^r

Supt. M.H. Marks.
Genl. Supt. P.H. Stares.
Deskd 4-12-79

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