

..தினா

அச்சு

பல்வகை

வாலாயு

எடுத்து
தேது.

எதன் டொருட்டு

கிடை

தூள் எடுக்கும்

சென்னை, 15.12.2017

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Public Work DEPARTMENT

GO No.

1408 W

Press.

B.P. No.

Mis.

Dated

16-2-1880

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M.S.

Not to be folded or roughly handled

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

16th June 1880, No. 1,408 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 38. From F. N. THOROWGOOD, Esq., M. INST. C. E., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads, dated Madras, 7th June 1880, No. 16 W.

I HAVE the honor to report the following amount of progress on these works during the month of May and regret that I am unavoidably behindhand in submitting the report.

2. NORTH PIER, SUPERSTRUCTURE.—During nearly the whole of the past month the Titan crane at the north pier was drawn back, and operations were suspended as I have in a measure explained would be the case in my report, dated 4th May. The weather, on the whole, was not very favorable for work, but fortunately there was no actual storm, and progress is now resumed at full speed. On the 26th May block-setting was resumed and since then to the 31st there were 46 blocks set, advancing the work by a length of $27\frac{1}{4}$ lineal feet, and making the total length 2,868 feet from the point B.

3. NORTH PIER, RUBBLE BASE.—As the two steam barges have been laid off during the whole of May there has been very little work done in depositing rubble base, and only one train daily has been running from Ambatur. The total amount of stone deposited in the north pier base in May has only been 6,231 tons. It may be expected that in about four and a half months this base will be completed.

4. CONCRETE BLOCK-MAKING.—The making of concrete blocks was carried on briskly during May, and a total number of 427 blocks were turned out. Of these only 45 were made at the south pier by hand-labor, as that number sufficed to fill up the platform. The stock of blocks is greater in number and the blocks are more thoroughly hardened than has ever been the case before. I should state that the last delivery (before finally stopping the contract) of cement from General Morgan was of such remarkably good quality that I used it for making blocks. It is greatly to be regretted that cement of this high standard was not supplied last year, as it is without doubt equal to any received from England.

5. QUARRIES.—The outturn from the quarries has been small during May, and it is fortunate that a small supply of material sufficed, as the heat and hardness of the soil have been greatly against quarrying. At Pallavaram a new siding has been opened by the contractor, and a fine class of stone will be procured from this site. The outturn from Ambatur has been 5,676 tons and from Pallavaram 11,860 tons, giving a total for the month of 17,536 tons. From this date (7th June) the outturn will be increased to the full extent possible.

6. SOUTH PIER SUPERSTRUCTURE.—As at the north pier, the Titan was withdrawn from the pier and during the greater part of the month as a precaution in case of a sudden storm. But on the 18th block setting was resumed and 62 blocks were set in the month advancing the pier by a length of 37 feet, and making the total length from the point E to be 2,272 feet. Since 1st June the progress has been more rapid and in ten days time we hope to commence the curve northward.

7. SOUTH PIER, RUBBLE BASE.—The deposit of rubble base has been very small during May, but has sufficed to keep the base in advance of the superstructure. The total amount deposited has been only 1,644 tons.

8. PROTECTIVE WORK TO BEACH.—The revetment in front of Mr. Coleman's house has now been very nearly brought to width necessary for forming a 30 feet roadway, and it bids fair to answer all protective purposes as well as to restore the shore to its former alignment. During May 1,635 tons of very large granite boulders were thrown over to widen the slope and strengthen the work.

9. INTERCEPTING SEWER ALONG BEACH.—The sewer along the beach has been greatly delayed by influx of water into the excavation, and I have been obliged to erect a steam engine and pump to keep the water down. In consequence of this the advance has been but small, and only 150 feet lineal have been completed in the month, but the fact of having to suspend operations during the fixing of the engine and pump will account for the small amount of progress.

10. STORES RECEIVED ON WORK.—The following vessels brought stores during May:—

S. <i>Bokhara</i> with	...	176	casks	Portland cement.
S. <i>El. Dorado</i> with	...	943	do.	
S. <i>Duke of Argyll</i> with	...	840	do.	
S. <i>Indus</i> with	...	392	do.	
<i>Mars</i> with	...	1,120	do.	

Total casks ... 3,471

The S. *Almora* likewise brought deal planks and canvas much needed on the works.

11. EXPENDITURE.—The expenditure on the works up to 31st May has been approximately Rs. 39,91,028 subject to corrections in detail.

12. I should mention that Mr. Beardmore, Assistant Superintendent, left for England on 6th May, since which time until 5th June I have had no European Assistant, and it is this that is the cause of my submitting this report some days later than should be the case.

No. 39.

ORDER THEREON, 16th June 1880, No. 1,408 W.

ORDERED to be recorded.

(True Extract.)

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

To the Superintendent, Madras Harbour Works.
" Secretary, Harbour Works Committee.
To General Morgan.
To the Marine Department.

Exd. E. C. Shun ker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of 1880 Madras.
PUBLIC WORKS.

To
THE SUPERINTENDENT, MADRAS
HARBOUR WORKS,
&c., &c., &c.

Dated June, 14th.

Issued

Recd.

Encl.

G. O., 14th June 1880, No. 1,408 W.

JUNE.
Nos. 38-39.

Madras Harbour Works.—Progress report
of the — for the month of May 1880,
recorded.

No. 16 W 3/1508

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS,

To Colonel R. H. Lumsley C. B. R. E.
Secretary to Government, P. W. Dept.
Buildings & Roads
Fort Saint George
MADRAS, 7 June 1880.

SIR,

I have the honor to report the following
amount of progress on these works during the
month of May and regret that I am un-
avoidably behind hand in submitting the
report.

North Pier Superstructure 2. Giving nearly the whole of the past month
the Titan Crane at the North Pier was drawn
back, and operations were suspended as I
have in a measure explained would be the
case in my report dated May 4th. The
weather on the whole was not very favoura-
ble for work, but fortunately there was no
actual storm and progress is now resumed
at full speed. On the 26th May blocksetting
was resumed and since then to the 31st there
were 46 blocks set, advancing the work

Very

by a length of 274 lineal feet, and making the total length 2068 feet from the point B.

3. As the two steam barges have been laid off during the whole of May there has been very little work done in depositing rubble base, and only one train daily has been running from Ambathur. The total amount of stone deposited in the North Pier base in May has only been 6231 tons. It may be expected that in about 4½ months this base will be completed.

4. The making of concrete blocks was carried on briskly during May, and a total number of 427 blocks were turned out. Of these only 45 were made at the South Pier by hand labour, as that number sufficed to fill up the platform. The stock of blocks is greater in number and the blocks are more thoroughly hardened than has ever been the case before. I should state that the last delivery (before finally stopping the contract) of cement from General Morgan was of such remarkably good quality that I used it for making blocks. It is greatly

Concrete Block making

Quarries.

to be regretted that cement of this high standard was not supplied last year, as it is without doubt equal to any received from England.

5. The outturn from the quarries has been small during May, and it is fortunate that a small supply of material sufficed, as the heat and hardness of the soil have been greatly against quarrying. At Pallavaram a new siding has been opened by the contractor, and a fine class of stone will be procured from this site. The outturn from Ambathur has been 5676 tons and from Pallavaram 11,860 tons giving a total for the month of 17,536 tons. From this date (June 7th) the outturn will be increased to the full extent possible.

South Pier Superstructure

6. As at the North Pier, the Titan was withdrawn from the Pier end during the greater part of the month as a precaution in case of a sudden storm. But on the 18th block setting was resumed and 62 blocks were set in the month advancing the pier by a length of 37 feet, and making the total length from the point B to be 2272 feet. - Since

June 5th the progress has been more rapid and in ten days time we hope to commence the curve northward.

7. The deposit of rubble base has been very small during May, but has sufficed to keep the base in advance of the superstructure. The total amount deposited has been only 16 1/2 tons.

South Pier
Rubble Base

8. The revetment in front of Mr. Coleman's house has now been very nearly brought to width necessary for forming a 30 feet roadway, and it bids fair to answer all protective purposes as well as to restore the shore to its former alignment. Piling May 1635 tons of very large granite boulders were thrown over to widen the slope and strengthen the work.

Protective Work
to Beach.

9. The sewer along the beach has been greatly delayed by influx of water into the excavation, and I have been obliged to erect a steam engine and pump to keep the water down. In consequence of this the advance has been but small, and only 150 feet lineal have been completed in the month, but the fact of having to suspend operations

Intercepting
Sewer along
Beach.

operations during the fixing of the engine and pump will account for the small amount of progress.

Stores received
on work

10. The following vessels brought stores during May:

S. Bokhara	with 176 casks Portland Cement
S. El Dorado	943
S. Duke of Argyll	840
S. Indus	392
Mars	1120

Total Casks 3471

The S. Almora likewise brought deal planks and canvas much needed on the works.

Expenditure

11. The expenditure on the works up to May 31st has been approximately Rs 39,910.28 subject to corrections in detail.

12. I should mention that Mr. Beardmore Assistant Superintendent left for England on May 6th since which time until June 5th have had no European Assistant, and it is this that is the cause of my submitting this report some days later than should be the case.

Have the honor to be,
Sir,

Your most Obedt Servt.

J. H. Gooden
Superintendent
Madras Harbour Works

S. G. No. 1144 W. 14-5-80.

Buildings & Roads

From the Superintendent
Madras Harbour Works

P.W.D.

7 JUN 80

NO 3667

No 16 W
Dated 7 June 1880

No. of Enclosures 3 plans

1. Plan not submitted
from Cir. will follow
C.S.

Progress

Submit Progress Report for
May 1880. -

Cir H. G. No. 14.6.80 -
Copy. S. G. No. (R. 16-6)

Cir

No 1408 H. 7/6/80

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 16th June 1880.

Read the following: -

From the Supt Madras
Harbour Works } (H. G. No 16 W d/7 June 1880)

Ordered to be

recorded.

D. S.

Attn

10/6/80

Supt Madras H.W.

Secy H.W. Committee

General Manager
Business Dept

18/6/80

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Cir 12.6.80. Rtd 14.6.80
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3667

Govt. of Madras

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O. 16th June 1880, No. 1408 W.

Nos. 38-39

Public Works

Receipts Report
of the — for the
month of May/80

Recorded