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TAMIL NADU ARCH

GOVERNMENT OF TAMIL NADU

P.W. DEPT

G.O. No.	2636	Press.
B.P. No.		Mis.
Dated	6.11.1885	198

En. 8

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from F. N. THOROWGOOD, Esq., M. L.
Superintendent, Madras Harbour Works, to the Secretary to Government,
Public Works Department, dated Madras, 3rd November 1885, No.

I have the honor to submit the following brief report of the progress of works during October.

2. *North pier rubble Base.*—The weather has not been very favorable working at the north pier base, and the boats latterly were turned over to the pier. There were 8,224 tons of rubble deposited during October, or about less than in September. This branch of the work is now well forward, the feet of foundation being ready to receive the superstructure blocks. Level soundings are taken over the base as opportunity offers.

3. *South pier rubble base.*—During the latter part of October the tipping base worked at the south pier. The divers also worked well at blowing fallen blocks in line of the new foundation, fifty-five blocks having been done by dynamite in the month. This gives a total of 3,947 tons of rubble deposited in October, of which 1,485 tons are due to broken pieces of concrete blocks. On 29th October all work at sea was stopped by bad weather.

4. *Blockmaking.*—The making of blocks was resumed on 15th October and went on as usual till stopped by the rain. There were 121 blocks made during October, a total of 809 blocks now ready for the new section besides 255 old blocks available for the new work and now available for use.

5. *Pallavaram quarries.*—Work has been carried on satisfactorily at the quarries and the railway lines have been much improved by cutting back the slope so that the rain run off more gently. During October 12,553 tons of stone were quarried, of which 1,578 tons were used for blockmaking and the rest for the rubble work on the breakwaters. This branch of the work cannot be brought into full play until the setting commences.

6. *Titan cranes and plant.*—The north pier Titan was completed on 1st October, and is now ready for steam. A permanent road has meanwhile been built on the breakwater on which the Titan will travel out to its work. The whole machine has been built without any serious hitch, and appears to me to be highly satisfactory. It is my intention to deposit "wave-breaker" blocks with it as soon as I have ascertained its stability, but it will always be withdrawn from the breakwater before night if the storm season has passed away.

7. The south pier Titan is progressing rapidly and will soon be ready for work to its full height. Much confusion has occurred in the erection of this machine owing to mistakes in numbering the packages before shipment; many packages have disappeared, and from others all traces of a number have been obliterated. I have reported this to Mr. Parkes in England. The immense "wave-breaker" crane arrived during the past month, and is being landed slowly. This machine will, in the first instance, be erected at the north pier, and when its work there is done, it will be transferred to the south.

6TH NOVEMBER 1885, No. 2636 W., PUBLIC WORKS

8. *Stores received.*—There arrived during October the following vessels with stores for the works:—

S.S. "Avocet" with 560 casks Portland cement.

S.S. "Pelican" with wave-breaker crane.

S.S. "Buteshire" with drilling machine, slotting machine, and turning lathe.

Also the steamers "Nevasa" "Chanda," "Arcot," and "Goa" with sal wood sleepers and pieces.

9. *Madras cement.*—The local cement factory did not supply any cement in October, as I was anxious to make many tests from the sample offered before accepting it. The testing is still going on.

ORDER—dated 6th November 1885, No. 2636 W., Public Works.

Recorded.

2. The report is satisfactory.

(True Extract.)

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

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

Exd. E. Fernandez.
Spare Copies

of rubble deposited in October of which
11,85 tons are due to broken pieces of Con-
crete blocks. Since the 29 October all
work at Sra was stopped by bad weather.

4 The making of blocks was resumed ^{Blockmaking}
on October 15 and carried on as usual
till stopped by the rain. The
blocks made during October giving a
total of 809 blocks now ready for the new
section besides 255 old blocks altered
to suit the new work and now available
for use.

5 Work has been carried on satisfactorily <sup>Palluravay
Quarries</sup>
at the quarries, and the railway lines have
been much improved by cutting back the
slope so as to let the rain run off more
quickly. During October 12,553 tons of Stone
were quarried of which 1575 tons were used
for blockmaking and the rest for the rubble
work of the breakwaters. This branch of the
work cannot be brought into full play un-
til block setting commences.

6 The North Pier Titan was completed on <sup>Titan Cranes
and plant</sup>
the 31st October and is now ready for steam
and permanent road has meanwhile been
built on the pier.

with travel out to its work
machine has been built
hitch, and appears to me
satisfying. It is my intention
"breaker" blocks with it
tested its stability, but
with gravel from the break
night until the storm
away.

7 The South Pier Titan
rapidly and will soon be
to its full height. A truck
occurred in the erection of
owing to mistakes in measuring
packages before shipping
have duplicate numbers on
traces of a number have
I have reported this to all
The immense "Wave Breaker"
piled during the past month
loaded slowly. This machine
first instance, be erected
and when its work there
be transferred to the South

Stores received 8 There arrived during October
vessels with stores for the
S.S. "Avocet" with 569 cases

S.S. "Basture" with drilling machine,
slotting machine and turning lathe
also the Strainers "Yusa" "Chanda" "Arat"
and "Gon" with salt wood glue and
pieces.

9. The local Cement factory did not
supply any Cement in October. ^{Madras} ~~Local~~ Cement
anxious to make many tests from the
sample offered before accepting it. The
testing is still going on.

I have the honor to be,
Sir,

Yours most obedt. Servant

W. H. Rowood.

Superintendent

13th Nov
at work
No 2636 W. H. H. H. H.

Dec 9578 ✓

Buildings & Roads

A. J. H. H. H.
Recorded.
Recorded.

From
The Superintendent
Madras Harbour Works

2. The report is
satisfactory.

Thurs
5/11/85



W. H. H.
5.11.85

No 37 W
Dated 3rd November 1885

No of Enclosures Nil

S. H. H. H. ✓
Marine Dept
Marine Dept.

Revised Report
A. 2547 W. H. H. H.
with the House

Progress Report

18/4/85

Submits — for October 1885

95/01

Govt. of Madras.

PUBLIC WORKS.



East

G.O. No. 1889, No. 2636

Madras Harbour

Report of -

for the year 1885, revised.

3.40 PM

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