

- (1) பக்கங்களின் எண்ணிக்கை 18
 (2) புதுக்கித் திருப்பிய நாள் 7-88
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் byd

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பெருமன் துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	3050 w	அச்சகம் பலவகை
நாள் :	28-9-1888	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From R. W. BARLOW, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 17th August 1888, No. 2139.

I have the honor to submit herewith, for the information of Government, copy of a letter from the Engineer to the Harbour Trust Board, No. 647, dated 7th August 1888, reporting upon the progress made on the Harbour Works during the month of July 1888.

2. G.O., No. 2390 W., Public Works, dated 6th August, was not received until after this report had been written. Referring to paragraph 2 and with regard to the tracing, the practice hitherto has been for a single tracing only to be submitted, but I am instructing the Engineer to submit a chart in duplicate in future, and also, as directed by Government, to report in greater detail.

ENCLOSURE.

From A. L. POGSON, Esq., Superintendent, Madras Harbour Works, to the Chairman, Harbour Trust Board, dated Madras, 7th August 1888, No. 647.

I have the honor to submit the following brief report of progress on these works, during the past month of July, with a plan showing the state of the works in progress on the beach and at sea on the 31st July, as handed over to me by Mr. F. N. Thorowgood on his retirement.

2. *North Pier*.—No work was done on the north pier beyond refixing the survey boat davits damaged by the S.S. *Hughenden*.

The wave-breaker crane is being dismantled as speedily as possible, in accordance with letter No. 113, dated 10th April 1888, but I must mention progress has been much slower than was anticipated, owing to many of the bolts and keys being so rusted in as to require a drill.

3. *Block-making*.—The making of concrete blocks was carried on briskly until the 21st, when work had to be stopped for want of cement; consequently only 191 wave-breakers' blocks were turned out, representing 5,730 tons of concrete.

4. *Quarries*.—The outturn of stone at the Pallavaram quarry was just sufficient to meet the requirements of block-making, but no stock could be accumulated before the 21st of July. Thirty-two trains of chips were received at the works, bringing down a total of 6,725 tons of chips for block-making. The average weight of stone in each wagon was 5 tons 12 cwt. 1 qr. All the railway lines and plant were kept in good order and repair.

5. *South Pier*.—At the south pier the work of block-setting was impossible from 6th to 24th, after which date the sea was sufficiently smooth for a diver to remain below. On the 25th the first row, this season, was set and, by the 31st, 36 superstructure blocks had been placed in position advancing the pier by 24½ feet. The total length of masonry pier built to date is 3,129 feet from point E.

The following vessels brought stores from England for the works during July :—

S.S. Goorkha.—With twenty stone-crusher jaws, drums of turpentine and 1,000 feet of chain $\frac{3}{4}$ " and $\frac{1}{2}$ " an inch.

S.S. Da ca.—One case of Indiarubber suction and delivery hose.

S.S. Manora.—Three thousand seven hundred casks of Portland cement, equivalent to 660 tons, and one case of helmet-washers and drawers for the diving department.

Two hundred *grool wood* broad-gauge sleepers were delivered by the contractor.

6. *Beach improvements*—*Iron pier*.—The work of redecking the iron pier was practically at a standstill during July on account of there being no timber on stock, but the staff was kept employed at fixing new pile caps and cutting away the old timber and bolts, &c.; consequently only 35 feet of pier-decking was completed.

A masonry platform was commenced south of the iron pier, on which will be erected one of the large corrugated iron sheds now under construction at the Harbour Workshops. The north goods shed was partitioned off to meet the requirements of the Ordnance, Commissariat and Public Works Departments. The following was the heavier work turned out at the iron pier smiths' shop during July, viz. :—

Two new 8-ton pier trucks, Nos. 6 and 7, were built throughout and two old trucks, Nos. 18 and 20, were thoroughly overhauled.

Portable crane No. 1 of the B class was fitted to a new frame and thoroughly repaired.

Four new skids and several bolts for the pier were also made during the month.

Transferred to the Public Works Department.

(By Order.)

(Signed)

W. S. MEYER,

Assistant Secretary.

3rd September 1888.

ORDER—dated 28th September 1888, No. 3050 W., Public Works.

The report will be forwarded to the Secretary of State.

2. It is hoped that the instructions given in G.O., No. 2390 W., dated 6th August 1888, will be attended to in the preparation of the report for the month of August and future reports.

(True Extract.)

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

To the Chairman, Harbour Trust Board.
„ Marine Department.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.
PUBLIC WORKS.

Dated September, 28th.

Recd.

Encl.

G.O., 28th Sept. 1888, No. 3050 W.

SEPTEMBER.

Madras Harbour Works

Orders on progress report of the —
during July 1888.

3050
B1

Harbour Trust Board Office,

MADRAS, 17th August 1888

No. 2139

FROM

R. W. Barlow Esquire C.S.

CHAIRMAN, HARBOUR TRUST BOARD,

MADRAS,

TO

J. H. Pies Esquire C.S.

Acting CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

Cotheamund.

Sir

I have the honor to submit
herewith, for the information of
Government, copy of a letter from
the Engineer to the Harbour Trust
Board, No. 147, dated 7th August 1888,
reporting upon the progress made
on the Harbour Works during the
month of July 1888.

2. G.O. No. 2930 W, Public Works
dated 6th August, was not received
until after this report had been
written. Referring to para 2 and
with regard to the tracing, the
practice hitherto has been for a
single

Single tracing only to be submitted,
but I am instructing the Engineer to
submit a Chart in duplicate in future,
and also as directed by Government,
to report in greater detail.

I have the honor to be
Sir

Your most obedient servant.

M. Morison
Chairman
Harbour Trust Board.

3050
4

was just sufficient to meet the requirements of Block making, but no stock could be accumulated, before the 21st of July. Thirty-two frames of chips were received at the works, bringing down a total of 6,400 tons of chips for Block making. The average weight of stone in each wagon was 8 tons 12 cwt. 10 lb. All the Railway lines and plant were kept in good order and repair.

At the South Pier the work of Block setting was impossible from 6th to 24th after which date the sea was sufficiently smooth for a diver to remain below. On the 25th the first row, this season, was set and by the 31st 36 super-structure Blocks had been placed in position advancing the Pier by 24 3/4 feet. The total length of Masonry Pier built to date is 3129 feet from Point B.

The following vessels brought stores from England for the works during July:-

S.S. Gorkha - With twenty four Cranes, Sails, frames of Turpentine and 1000 feet of chain 3/8" and 1/2" an inch.

S.S. Dacca - One case of Indian rubber suction and delivery hoses.

S.S. Mauna - 3400 Casks of Portland Cement equivalent to 660 3/4 tons, and one case of Helmet Coashers and drawers for the Diving Department.

200 brook wood Broad Gauge sleepers were delivered by the contractor.

Iron Pier - The work of redocking the Iron Pier was practically at a stand still during July, on account of there being no

Beach
Improvements

Beach
Improvements

timber on stock, but the staff was kept busy at fixing new false coles and cutting away the old timbers and bolts so convergently, only 30 feet of Pier docking was completed. 38

A masonry platform was commenced south of the Iron Pier, on which will be erected one of the large corrugated Iron sheds now under construction at the Harbour workshops. The North Goods shed was partitioned off to meet the requirements of the Ordnance, Communi- at and Public Works Departments. The following was the heaviest work turned out at the Iron Pier Smiths shop during July - viz

Two new 8 ton Pier Trucks Nos 6 and 7 were built throughout and two old Trucks Nos 18 and 20 were thoroughly overhauled.

Portable Crane No 1 of the B. Class, is as fitted to a new frame and thoroughly repaired.

Four new Sheds and several bolts for the Pier were also made during the month.

I have the honor to be

Sir

Your Most Obedient Servant.

(Signed) A. L. P. P. P.

Superintendent

Madras Harbour Works.

Enclosure

Tracing of Harbour

(True copy)

C. P. P.

Secretary, Harbour Trust Board.



Letter

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 28th Sept. 1888.

READ the following

Letter from the Chairman Harbour & Trust Board No. 2139 of 17th August 1888.

Endorsement from the Marine Deptt of 3rd September 1888.

The report will be forwarded to the Secretary of State.

It is hoped that the instructions given in G. O. 2390 W. of 6th August 1888 will be attended to in the preparation of the report for the month of August and future reports.

By The Chairman H. T. Rogers.
" Marine Deptt.

By The Right Honble the Secretary of State for India
My Lord.
In continuation of our despatch

3/10

Plan to be sent to the Secretary

despatch No. ¹⁵/_{2390 W.} dated 6th

August 1888, we have the
honor to forward herewith
the progress reports of the
Madras Harbour Works
for the month of July 1888.

The Chairman of the Harbour
Trust Board explains in his
covering letter that as the
report had been prepared
prior to the receipt of our
orders of the 6th August 1888,
No. 2390 W. the full details
called for have not been
included on the present
occasion, but that they
will be furnished in future.
The report is accompanied by
a survey of the harbour and
roadstead.

roadstead on which the
present state of the works
is shown.

John
4/9/88

Despatched into 40
No 2999 W
& plan

3/10/88

R.S.

Govt. of Madras.

PUBLIC WORKS.

WOW

13/7
2 p.m.

Dated

Recd.

Encl.

G.O., 28th Sept. 1888, No. 3050W

Madras Harbour ¹⁸ 3050W
works

Orders in proper report
of the - Survey July/88

(to S. J. S.)

Forward proper
reports of the M. H. works
for July/88 70
13