

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2700-2701	Press
B.P. No.		Mis.-
Dated	6-10	1876
		195

Not to be folded or roughly handled

15

*Proceedings of the Madras Government, Public Works Department,
6th October 1876. No. 2,700.*

Read the following letters :—

No. 108. From Captain G. P. SKIPWITH, R.E., Assistant Secretary to the Government of India, Public Works Department, (Civil Works—Miscellaneous,) to Major-General G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, dated Simla, 31st August 1876, No. 285 M.

I AM directed to acknowledge the receipt of your letter, No. 139 A, of the 19th June last, and with reference to the Madras Government's Proceedings, Nos. 395—401 of April 1876, which formed an enclosure to that letter, to request that the Government of India may, with the permission of His Excellency the Governor in Council, be furnished with a copy of the plans referred to in paragraphs 4, 7 and 11 of No. 395, and with that referred to in paragraph 10 of No. 396.

2. I am also to inquire with reference to paragraph 5 of No. 395, what are the sizes of the blocks that have hitherto been quarried of the Ambatoor laterite, and what is the largest size that it is possible to quarry? Also that the cost at which the material has been or can be got out of the quarry may be stated.

3. Referring to paragraph 11 of the same Proceedings, I am to ask how the difficulty with regard to the 10 feet Royapooram sewer was intended to be met in Mr. Parkes' original design.

4. Lastly I am to request information as to the progress that has been made in the manufacture of the concrete blocks for the slope of the surf bank, alluded to in paragraph 13 of Proceedings No. 396.

No. 108-A. From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to Colonel F. FAREWELL, Officiating Deputy Secretary to Government, Public Works Department, dated Madras, 28th September 1876, No. 74 W.

I HAVE the honor to acknowledge the receipt of your memorandum No. T-1,016, dated 25th September 1876, and to send herewith the plans you refer to as having been asked for by the Government of India, viz :—

- (1). The plans noted in paragraph 3 of the Superintendent's letter, No. 50 W, dated 31st March 1876, which are taken from Mr. Parkes' report of 4th November 1873.
- (2). A copy of the plan referred to in paragraph 7 of the same letter.
- (3). A copy of the plan referred to in paragraph 3 of the Superintendent's letter No. 1 W, dated 1st April 1876.

2. In reply to the 2nd paragraph in your memorandum, I have to state that the laterite blocks or boulders now being used in the north surf bank, vary in size from somewhat less than 1 cubic foot to 11 cubic feet, the latter being the largest I could find lying in the surf bank. I think the average size may be taken as about 4 cubic feet.

*Proceedings of the Madras Government, Public Works Department,
6th October 1876. No. 2,700.*

3. With regard to the largest size of block that can be quarried from Ambatoor it is hard to give an opinion. At present, the quarrying power and plant is limited, and the stones quarried are only of such dimensions and weights as can be moved by the hand labor of several men; but there is no reason why, with suitable cranes and plant, blocks of from 4 to 5 tons should not be quarried, and I think that 7 tons might be taken as the maximum weight of block that could be obtained. The cubic contents of such a block would be about 116 cubic feet.

No. 109. ORDER THEREON, 6th October 1876, No. 2,700.

CIVIL WORKS, No. 7.

ORDERED that the following letter be sent:—

(Here enter No. 2,701, dated 6th October 1876.)

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 6th October 1876.

No. 110.

No. 2,701.

FROM

MAJOR-GENERAL G. W. WALKER, R.E.,

Secretary to the Government of Madras,

Public Works Department,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,

Public Works Department.

CIVIL WORKS, No. 8.

SIR,—I am directed to acknowledge the receipt of your letter, No. 285 M, of the 31st of August last, and, by order of

His Grace the Governor in Council, to forward the plans asked for, viz., those referred to in paragraphs 4, 7 and 11 of report No. 395, and in paragraph 10 of No. 396 from the Superintendent, Madras Harbour.

2. I am also directed to state that stones are only quarried at Ambatoor of such dimensions and weights as can be moved by hand labor; the laterite boulders hitherto quarried averaging about 4 cubic feet in size at a cost of 10 Annas per ton or 15.34 cubic feet. With appliances in the shape of cranes, blocks, tramways, &c., blocks of from 4 to 5 tons might be quarried, but it is not desired by Mr. Parkes that such blocks should be used.

3. I am further desired to forward copies of the Madras G.Os., No. 1,562, dated 29th July 1875, in the Financial Department, and No. 2,910, dated 12th October 1875, Miscellaneous. And to state with reference to paragraph 3 of your letter under reply that Mr. Parkes, in determining the original site of the north pier, no doubt relied on Mr. Clarke's drainage scheme for the city of Madras being carried out and the Royapooram sewer intercepted.

4. Lastly, I am to state that sixty-nine concrete blocks have been manufactured, amongst which those required for the abutments of the north pier are included.

I have the honor to be,

Sir,

Your most obedient servant,

Colonel,

*Offg. Under Secy. to Govt., P.W.D.,
for Secretary to Government.*

Exd. E. C. Shunker.
Spare Copies

From

THE SUPERINTENDENT,

MADRAS HARBOUR WORKS,

To

The Offy Under Secretary to Government,
Public Works Department,Fort Saint George,
MADRAS, 28 September 1876.

SIR,

I have the honor to acknowledge the receipt of your Memorandum No. 7076, dated 25th September 1876 and to send herewith the plans you refer to as having been asked for by the Government of India, namely:

(1) the plans noted in paragraph 3 of the Superintendent's letter No. 5024, dated March 31. 1876, which are taken from Mr. Parker's report of 4th November 1873.

(2) a copy of the plan referred to in paragraph 7 of the same letter.

(3) a copy of the plan referred to in paragraph 3 of the Superintendent's letter

No. 117 dated April 1st 1876.

Laterite

2. In reply to the second paragraph in your Memorandum I have to state that the laterite blocks or boulders now being used in the

North Surf bank, vary in size from somewhat less than one cubic foot, to eleven cubic feet, the latter being the largest I could find lying in the Surf bank. I think the average size may be taken as about 4 cubic feet.

3. With regard to the largest size of block that can be quarried from Ambaros it is hard to give an opinion. At present the quarrying power and plant is limited and the stones quarried are only of such dimensions and weights as can be moved by the hand labour of several men - but there is no reason why with suitable cranes and plant, blocks of from 4 to 5 tons should not be quarried, and I think that 7 tons might be taken as the maximum weight of block that could be obtained. The cubic contents of such a block would be about 116 cubic feet.

I have the honor to be,

ch

Your most Obedient Servant

F. A. Herwigood.

Superintendent

From the ...

From P.W.D.
28 SEP 76
The Superintendent
Madras Harbour Works
To The Offy Under Secretary for
Public Works Department
Fort St. George

Quoted 28th September 1876
Recd 27th
N. 76

Submits the Plans of
Harbour called for by the
Government of India.

N. 108a

dat. 27/9/76

91

No. 2702
Public Works Department.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 6th Oct/76
Read the following:—

From
The Gov. of India (N.E. No. 280 M. of 31 Aug/76)
Supt. Madras Harbour Works (N.E. No. 2701 of 28 Sept/76)

Ordered that the
following letter be sent.

N.E. No. 2701 of 6 Oct/76

To The Secy. to the Gov.
of India, S.A.B.

Sir I am directed to
acknowledge the
receipt of your letter
No. 280 M. of the 31 of
August last; and, by
order of His Grace the
Governor in Council,
to

M.E.
6.10.

M.E.
6/10

to forward the plans asked
for; viz those referred to
in paras 4, 7, and 11 of
~~your~~ letter No 395 and in para
10 of No 396 from the
Supy. Madras Harbour
and of Madras

2. I am also directed
to state that ~~it is found~~
~~that the existing power~~
~~at Ambarator is limited~~

~~and~~ stones are only
at Ambarator
quarried of such dimen-
sions and weights as
can be moved by hand
labor; the laterite
boulders hitherto quar-
ried averaging about
4 Cubic feet in size
at a cost of 10 Annas
per

115-
per ton or 15.34 Cubic
feet: with appliances
in the shape of Cranes,
Blocks, Tramways &c.
Blocks of from 4 to 5
tons might be quarried,
but it is not desired
~~that the same should~~
by Mr. Dorkes that
cast iron blocks
should be used -
3. I am further directed

to forward copies of the
Madras Govt. Orders
No 1562, dated 29th July
1875 in the Financial
Department and No 2910,
dated 12th October 1875,
Miscellaneous. And to
state with reference to
para 3 of your letter
under

under reply that Mr.
Parker in determining
the original site of the
North pier no doubt
relied on Mr. Clark's
Drainage Scheme for
the City of Madras
being out and the
Royapooram Sewer
intercepted.

4. Lastly I am to state
that 69 concrete blocks
have been manufactured,
amongst which those
required for the abut-
ments of the North
pier are included.

W.L.
3.10.76.

MM

108/9

Despd with Plans and with 2 g. ltr.
on the 21/10/76

P.A. ltr. 108/9-10-76.

65065
6969
Govt. of 1876 Madras.

PUBLIC WORKS.

To

The Secy to the Govt of India

Dated

Issued

Recd

Encl.

G. O. 1st October 1876, No.

2700
2701

Recd. 10/11/76

Madras Harbour

Notes - Passing orders
on letter from the Secy
of India calling for
certain information in
connection with the —

Let me know
20/10/76

15. 11. 3
Furnishing the
plans called for
in letter of date of
31st August 1876 as
well as the information
~~and~~ require of in
connection with the
works &c. of the block
quarries at the
Ambuloor latente —