

memo no 1958. of 3-6-82
4.6. no 1460 of 12-6-82
" " 1460 " 12-6-82
Ob. no 623W. " 6-3-84

No 1251 Way 16th May 81

Recorded with
reference to G.O.
No 1236W d/14th May 81
W
14.5.84

+ Directing Mr. Thompson
to proceed to England

Σ

W.
16/5

Supt. M. St. Works.

Yours
D.S. 36/5-81

10.12.5.84

Memo 3959
Buildings & Roads

From
The Superintendent
Madras Harbour Works

(6)

No 5W
Dated 8th May 1881
No 9

No 1251 Way 16-5-81

Σ

Requests that a Boiler
indicated for on England
may be expedited.

With order
Supt. M. St. Works

Square	48
Saw-hand 6"	96
Lenox 4"	48
Princeton 30" x 4"	9
24" x 4" pin Trolley	1
Hammers Striking C.S. 5th.	N. 800
Plano Jack with 4th iron	24
Tryng	12
Square Engineers' 12"	4
6"	6
Tape with stakes & screws level	Set 1
for Math's shot. level	24 Jan. W. G. Appleby May
Screw Tacks 1/4 size for shot. level	Set 3
Tools Engineers'	6
Via lathe makers pin	N. 6
Brass sheet 6' x 2' - 3/4" thick	Sheet 6
10 3/4"	3
Brass plate 1/2" x 1' diam. - 18 Blk.	75 - 48
3" 4"	48
Rod 1/2"	75 6
10m Round of wire	Two 14
Square	8

Chrysolite Cape	1884	18 Jan.	S. W. D. Smith	Mich.
Old shot Protractors	1884	18 Jan.	Elliott Bros.	M.
Abney's level	1884	18 Jan.	Elliott Bros.	M.
Double Convex lens to 3/4" diam in horn	1884	18 Jan.	Elliott Bros.	M.
Magnetic magnet for magnetizing needles	1884	18 Jan.	Elliott Bros.	M.
Leveling instrument to Rimp 15"	1884	18 Jan.	Elliott Bros.	M.
12"	1884	18 Jan.	Elliott Bros.	M.
16"	1884	18 Jan.	Elliott Bros.	M.
Mathematical Shot. in box, 2nd Class	1884	18 Jan.	Elliott Bros.	M.
Pinions Brass Opt. for theodolite	1884	18 Jan.	Elliott Bros.	M.
levels	1884	18 Jan.	Elliott Bros.	M.
Rack for D.	1884	18 Jan.	Elliott Bros.	M.
Plane Convex lens of two sizes for eye piece :-	1884	18 Jan.	Elliott Bros.	M.
1" focus	1884	18 Jan.	Elliott Bros.	M.
3/4"	1884	18 Jan.	Elliott Bros.	M.
Rules parallel brass rolling 12" x 18" x 24"	1884	18 Jan.	Elliott Bros.	M.
5" each	1884	18 Jan.	Elliott Bros.	M.
Folding barwood 2' 6" joint	1884	18 Jan.	Elliott Bros.	M.
Scales plotting with spots	1884	18 Jan.	Elliott Bros.	M.
Set 50	1884	18 Jan.	Elliott Bros.	M.
Marquis	1884	18 Jan.	Elliott Bros.	M.
Spirit level 1/4 size for theodolite	1884	18 Jan.	Elliott Bros.	M.
N. 36	1884	18 Jan.	Elliott Bros.	M.
levels	1884	18 Jan.	Elliott Bros.	M.
36	1884	18 Jan.	Elliott Bros.	M.

Service. *Madras Public Works*

*Bi-Monthly Return of Stores under provision by the Director-General of Stores
for India up to 31 Jan. 1884.*

INDIA OFFICE,
LONDON,
8 Feb. 1884

A. ABERCROMBIE JOFF,
Director-General of Stores.

N.B.—This Return includes all Stores under supply in England.
Stores reported in this Return to have been shipped will
not be inserted in future Returns.

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Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Date of Sanction by Secy of State in Council.	Quantity.	Date and Number of Indent, when received by Store Department, and Description of Articles.
(Madras Public Works)						
Indent received with Pub. Works. No. 20 of 3 June 1882.						
Received 27 July 1882. (5/122)	(5/122)	1882	14 Dec.	1883	15 June	Shipped per S.S. Sango (7 Jan.)
Dredges for Canals in Godavari Delta No. 1	No. 1					
Madras Harbour Works Indent No. 2 of 27 Oct. 1882.						
Received 8 Dec. 1882. (5/123)		1883	10 Jan.	1884	12 Jan.	6 Shipped as before reported in 4 per S.S. Sango (9 Jan.)
Chilled Wheels C.V. 22" diam., asidem.	No. 48					
Indents of 12 Feb 1883.						
Received 14th March 1883. (5/127)		1883	17th.	12 July	Hydraulic Eng. Co.	
Left Hydraulic	No. 1					
Steam Engine 8 HP. with spare parts						
as demanded	1					
Belting leather	74. 100					
Engines Portable 12 HP. as demanded	No. 2					
	4 HP					
	8 HP					

Date and Number of Indent, when received by Store Department, and Description of Articles.

Quantity.

Date of Sanction by Secy of State in Council.

Date of Contract.

Name of Contractor.

Probable Date of Shipment.

Shipments (Quantity, Name of Vessel, and Date of Sailing) ; or Remarks.

Indent dp. 29 Oct. 1883 contd

Crane Portable, to run on rails :—
to 4 ft 1 in

No. 1

2

5

Engines Steam Portable 8 HP. by Clayton

Span Boilers tubes

Bearings & Fittings

Engine Steam Vertical Portable, with

boilers Combined 6 HP.

Span Boilers tubes for 20

Foot-lathes screw cutting, with
tools, slide rest & chucks :—

6 feet

3

Machine hand planing, to plane

2 ft. in length

Saw or Dog Chuck

Chucks of 5 sorts

Slide Rest

2

36

5

Memo. 195 E of 3 June 1882

Date and Number of Indent, when received by Store Department, and Description of Articles.

Quantity.

Date of Sanction by Secy of State in Council.

Date of Contract.

Name of Contractor.

Probable Date of Shipment.

Shipments (Quantity, Name of Vessel, and Date of Sailing) ; or Remarks.

Indent dp. 29 Oct. 1883 contd

Taper Metallic Measuring. 100 ft.

No. 100

100

Screw 8' x 4 3/4"

50

1884

24 Jan. British

1884

20' x 4 3/4"

25

24 Jan.

British

1884

15' x 4 3/4"

25

24 Jan.

British

1884

Scales Rolling Boxwood 12" 1/2 x 1/2"

100

18 Jan.

Elliott Bros.

M.

Aug. 1/2 in 1/2" x 5/8"

24

18 Jan.

Elliott Bros.

M.

3/4" x 1/2"

12

18 Jan.

Elliott Bros.

M.

3/8" x 1/2"

6

18 Jan.

Elliott Bros.

M.

Bellevue Ferry 36" x 32"

6

24 Jan.

A. Wright & Co.

M.

Chisole Castles 7 in 1/2" to 1 1/2"

Set 20

24 Jan.

A. Wright & Co.

M.

1 1/2"

No. 12

24 Jan.

A. Wright & Co.

M.

Chisole 3/4" x 5/8"

Each 75, 1,500

24 Jan.

A. Wright & Co.

M.

3/8"

1,000

24 Jan.

A. Wright & Co.

M.

3/8"

500

24 Jan.

A. Wright & Co.

M.

Callipers in outside combined

No. 6

24 Jan.

A. Wright & Co.

M.

Files - 1/2 round standard, 10 sets

72

24 Jan.

A. Wright & Co.

M.

Smooth flat

48

24 Jan.

A. Wright & Co.

M.

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing) ; or Remarks.
Indent of 29 Oct. 1883 contd.						
Iron Flat, of size	Tons 15					
" shape "	6					
" T "	4					
" Sheet "	30					
Steel Cast Octagon $1\frac{1}{4} \times 1\frac{3}{4}$ of each	$\frac{1}{2}$	1884	25 Jan.	Williams & Co. by A.H.	1884	
Plate Glass $\frac{1}{8}$ thick :-						
$6\frac{3}{4} \times 5\frac{3}{4}$ " Diam. "	No. 48		26	Chance Bros	Mech.	
Catgut round $\frac{1}{4}$ " for the foot	71-50					
Emery Cloth, Rough, Medium & Smooth	of each Sds. 144					

Memo No 1956 of 3 June 1882

No 89 W. 12.1.84.

W 1935

S. S. C

Rev 3/3/84

B No 623 W a/b 6th March/84

Communicated
to officers concerned.

Cur
CJ.
3-3-84

S.E. I circle ✓
Ch. S. for S. ✓
Supt Mr. H. W. ✓
Genl Supt Mr. ✓
6/3

S. S. in receipt Regt

99 7/3
8/3

12TH JUNE 1882, No. 1460
A

GOVERNMENT OF
PUBLIC WORKS DEPARTMENT

General
Account.

No. 82.

READ—the following letter from N. St. B.
Superintendent, Madras Harbour Works,
Public Works Department, dated Ma

I have the honor to forward an indent
required for these works in the event of the p
material I can obtain in India, but not of so go
England. This is especially the case with reg
mention of Titan cranes as I have received n
reconstructed by means of such machines.

No. 82-A.

READ—the following letter from N. St. B. BE
intendent, Madras Harbour Works,
Department, dated Madras, 7th June

I have the honor to acknowledge your m
I asked to have 2,000 tons of Portland
in reserve in case of the local supply failing,
Cement of local firms, I think 1,000 tons ore
canal steamer quickly will be sufficient unless,
structing the piers are quickly decided on and
when the requirements would be greater. Th
500 to 650 tons per month, but I can only ma
reconstruction is commenced, for the block g
the present stock, be filled. To make that nu
date of commencing, but all machinery and
order, in some cases quite worn out; and not
repairs, it will be some time before they are c

The Manager of the Madras Cement V
specification) with 200 tons per month for six
in the first week of June. I have, however, re
on getting any cement from Messrs. Burn a
that I have received in order to test is a hig
English Cement of one of the best makers
Messrs. Burn and Co. have not replied to my
charge for a large quantity, so I presume
Company, or fear the terms of my specificatio
from another firm here of English Cement at
for which cement has been sent out from Engla

Memo No 195 E of 3 June 1882

Letter from the Ag Superintendent

M.A.W. No 8 W a/b 25/5/82

- 1460 A

Adverting to the Home

indent submitted with the

above letter, the Ag Supt

M.A.W. is requested to

state whether, in view of

the probability of being

able to obtain a large

proportion of the required

Cement from manufacturers

in Madras and Calcutta,

it is desirable to indent

for so much as 2,000 tons

from England.

2. The monthly supply

likely to be needed, in

case the works are pushed

on vigorously should also

I am a little suspicious of this cement; it appears to be strong, but not quite "slaked." I have had a quantity turned out on a floor to "slake," and I dare say it will prove a good and strong cement.

There is another cement referred to in G.O., No. 1182, of 10th May 1882, that I should like to test. Should I address the Secretary, Public Works Department, of the Bengal Government, or in what manner could I obtain a cask? I do not understand who makes this cement; the Company has the same name as that at Raneegunj represented by Messrs. Burn and Co., but it is said that the Government has made an agreement with Messrs. MacAllister and Co.

I trust that you will perceive from the foregoing that it is uncertain to say positively what proportion of the monthly quantity required can be calculated on from local supply. I may be able to obtain 200 tons per month from the Madras Company, but I have received none as yet. I consider Messrs. Burn and Co. out of the market on account of their high price; and if the English Cement offered to me by a local firm proves reliable, I may be able to make up the quantity required by purchasing from them.

No. 83.

ORDER—dated 12th June 1882, No. $\frac{1460}{A}$ W., Public Works.

Ordered to be forwarded to the Secretary of State for India, who will be requested by telegraph to authorise the first thousand tons of Portland Cement being sent out immediately by canal steamer.

2. The Superintendent, Madras Harbour Works, will keep the Chief Engineer regularly and fully informed as to the requirements of the works in regard to cement, and as to the supplies obtainable from local cement works.

3. The Bengal Government will be requested to arrange for the despatch to Madras of one or two casks, from Messrs. MacAllister and Co. of Indian Portland Cement, to be tested here by the Superintendent, Madras Harbour Works, who will in due course report the result.

(True Extract.)

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

To the Superintendent, Madras Harbour Works.

GENERAL.
ACCOUNT.

Gobt. of 1882 Madras.
PUBLIC WORKS.

Dated June, 12th.

Recd.

Encl.

G.O., 12th June 1882, No. 1460 W.
A

JUNE.
Nos. 82-83.

Madras Harbour Works.

Indent for materials and stores required for
the —, forwarded to the Secretary of State
for India.

24-A
12TH JUNE 1882, No. 1460 W., PUBLIC WORKS.
B

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE MOST HONORABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD MARQUIS,

We have the honor to forward a copy of our Proceedings, No. $\frac{1460}{A}$ W., dated 12th June 1882, together with an indent for stores required for the Madras Harbour Works, and to request that orders may be issued for the early supply of the articles indented for in the event of the reconstruction of the piers being sanctioned by your Lordship.

2. A copy of our telegram, dated 12th June, in connection with this indent is appended for information:—

“Please authorise immediate despatch by canal steamer one thousand tons Portland Cement for Madras Harbour.”

We have the honor to be,

My Lord Marquis,

Your Lordship's most obedient, humble servants,

(Signed) M. E. GRANT DUFF.
(„) FRED. ROBERTS.
(„) DAVID F. CARMICHAEL.
(„) H. E. SULLIVAN.

OOTACAMUND,
12th June 1882.

Exd. A. F. Goodall.

28/6/04

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

LETTER to the Most Honorable
the Secretary of State for
India.

No. Dated 1882.

Madras Harbour Works.

INDENT for materials and stores required for
the —, forwarded to the Secretary of State for
India.

12TH JUNE 1882, No. $\frac{1460}{C}$ W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 84.

LETTER—from

COLONEL R. H. SANKEY, R.E.,

*Secretary to Government, Public Works Department,
Madras,*

To

THE SECRETARY TO THE GOVERNMENT OF BENGAL,

PUBLIC WORKS DEPARTMENT.

SIR,

Adverting to your letter, No. 1071 E., dated 29th March 1882, to the Secretary to the Government of India, copy of which has been furnished to this Government, I am directed to request that you will be good enough, with the permission of His Honor the Lieutenant-Governor, to arrange with Messrs. MacAllister and Co. for the despatch to Madras, at early convenience, of one or two casks of Indian Portland Cement addressed to the Superintendent, Madras Harbour Works, who has been directed to test the cement and to report on its quality and suitability for use on the Harbour Works.

I have the honor to be,

Sir,

Your most obedient servant,

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

OOTACAMUND,
12th June 1882.

Exd A. F. Goodall
Spare Copies

GENERAL.
ACCOUNT.Govt. of (1882) Madras.
PUBLIC WORKS.*Dated June, 12th.**Recd.**Encl.*

12th June 1882, No. $\frac{1460}{C}$ W.

JUNE.

No. 84.

Indian Portland Cement.

REQUESTS to arrange with Messrs. Mac-
Allister and Co. for the despatch to Madras
of one or two casks of —

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Letter from the Supt. Mr. H. Works H.E. No. 5 W of 8th May 1854.

Ordered that the
Secretary of State be
addressed.

H.E. No. W of

To

The Rt. Honble the Secy of State
for India.

My Lord

We have the
hon^r to forward the
accompanying copy of a
letter from the Supt. Madras
Harbour Works, and in
view

Pros. dated May 1854, No. 5 W

To Mr Supt Mr. H. Works

memo no 1958. of 3-6-82
4.6. no 1460 11/60. 12-6-82
" " 1460 " 12- " "
Os. no 623N. " 6-3-84

Mr. 3059
Buildings & Repairs

From
The Superintendent
Madras Harbour Works

(6)

to SW
Dated 8th May 1884
No 9

Re 1251 Waj 16 May 84

Recorded with
reference to G.O.
No 1236W d/14th May 84
A

W.
14.5.84

4. Directing the Engineer
to proceed to England

Re 1251 Waj 16-5-84

E

W.
16/5

Supt. M. S. Works.

27/5

O.S. 36/5-84

O. 12-5-84
O. 12-5-84

Requests that a Boiler
indicated for on England
may be expedited. -

with order
Subd in Repd Works