

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1286	Press
B.P. No.		Mis.
	299-306	
Dated	12-5-1876	195-

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
12th May 1874.*

Read the following letters :—

No. 299. From Lieutenant-Colonel J. GODDARD, R.E., District Engineer, Presidency, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Fort St. George, 23rd March 1874, No. 5,867.

In obedience to G. O., dated 14th March 1874, No. 704, I have the honour to note below the particulars of copper rod and sheeting available for use in the Public Works Stores :—

Copper rod 1 inch	R. ft.	257
" 1/2 "	188	
" sheet 6' x 2' x 1/2"	lbs.	100
" " 6' x 2' x 3/4"		908
" " 6' x 2' x 1"		1,758
" " 4 1/2' x 2' x 1 1/4"		431
" " 4' x 2' x 1 1/8"		19,839

2. The District Engineer, Malabar, as well as the Range Officer, Cannanore, applied to the Public Works Stores for 1,453 feet of copper rod 1 inch, and 8,187 running feet of copper strap 2 inches wide, 24 B.W. gauge, with copper nails.

3. The weight of copper sheet, 24 B.W. gauge, is 1.16 lbs. per superficial foot, while that of 1/8th inch, the thinnest size of sufficient quantity in store, is 5.8 lbs. per superficial foot. The length of strap required of 24 B.W. gauge would weigh lbs. 1,583, and the same length of strap of 1/8th inch would weigh lbs. 7,914, being five times in excess of the estimated weight.

4. Of copper rod there is not sufficient in stock.

5. Under the above circumstances the General Superintendent indented on the Grand Arsenal, but this source of supply also failed. He next resorted to the local market, but could not obtain the required sizes, or any thing near the District Engineer's requirement, and intimated the facts to that officer.

No. 300. From Lieutenant-Colonel N. G. CAMPBELL, R.A., Officiating Deputy Inspector-General of Ordnance and Magazines in charge Ordnance Office, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Fort St. George, 27th March 1874, No. G/347 :—

WITH reference to Proceedings* of Government in the Department Public Works, I have the honour to report, for the information of Government, that the description and quantities of copper sheet as per margin are available in the Grand Arsenal for issue for lightning conductors.

2. The maximum thickness of copper sheet in store is 1/8th of an inch.
3. Copper rod for lightning conductors and platina tips for the same are also available for issue.

* No. 704, dated 14th March 1874

26 oz. per square foot 48" x 30" sheets	911
24 oz. " " 48" x 30" " "	714
18 oz. " " 48" x 14" " "	1,191

the information of Government, that the description and quantities of copper sheet as per margin are available in the

Proceedings of the Madras Government, Public Works Department,
12th May 1874.

No. 301. ORDER THEREON, 12th May 1874, No. 1,286.

ACCOUNT, No. 14.

The foregoing letters will be recorded. The Inspecting Engineer for Buildings will be requested to intimate to District Engineers the proper dimensions of copper rod and sheeting which they should indent for on account of lightning conductors, and the General Superintendent of Public Works Stores will arrange for the supply of the articles.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Military Department.
,, Inspecting Engineer for Buildings.
To District Engineers.
To the Officiating Controller of Public Works Accounts.

N^o. 5867.
From

Lieut. Col. J. Goddard R.E.
District Engineer
Presidency

To,

Colonel S. M. Barker R.E.
Chief Engineer & Secretary
to Government
B.W.

Sir,

In obedience to G.O. of 14th March 1874 No. 702 I have the honor to note below the particulars of copper rod and sheeting available for use in the P.W. Stores.

Copper rod 2 inch	875
1 1/2 "	188
Sheet 6' x 2' x 1/32"	100
5' x 2' x 1/16"	962
5' x 2' x 1/4"	1758
4 1/2' x 2' x 1/4"	431
4' x 2' x 1/8"	1983

1. The District Engineer Malabar as well as the Range Officer Cannanore applied to the P.W. Stores for 1458 feet of copper rod 1 inch, and 8787 running feet of copper straps 2" wide, 24 B.W. gauge with copper nails.

2. The weight of copper sheet 24 B.W.G. is 1.15 lbs. per suffl. foot while that of 1/8" the thinnest size of sufficient quantity in store is 5.8 lbs. per suffl. foot. The length of strap required of 24 B.W.G. would weigh lbs 530, and the same length of strap of 1/8 inch would weigh lbs 7914 being five times in excess of the estimated weight.

3. Of copper rod there is not sufficient in stock.

5. Under the above circumstances the General Superintendent indentured on the Grand Arsenal, but this source of supply also failed. He next resorted to the local market but could not obtain the required stock or any thing near the District Engineer's requirement, & intimated the facts to that Officer.

I have the honor to be

Sir,
Your most obedient servant,

Wm. J. Campbell

District Engineer
Fort Saint George

Fort Saint George
23rd March 1874

Indent Department.

ORDNANCE OFFICE:

Fort Saint George,

27th March 1874.

No. 347

upbell R. L.

Magazines.

Office.

Public Works.

(a)

readings of barometer
etc. I have the honor
to state that the description

and
quantities of
Copper sheet
as per margin
for issue for lightning

rod of Copper sheet

ing Conductors and
available for issue.

I have the honor to be,

Sir,

Your most obedient servant,

Wm. J. Campbell, Lieut. Colonel R. L.

Off. Dy. Insp. Genl. of Ord. & Stores
In charge Ordnance Office

W. J. C.

and the General Engineer.
tendent of Public Works
Stores will arrange for the
supply of the articles.

Chas.

1860
1733
Gobl. of (1874) Madras.
PUBLIC WORKS.

To
The Engr. Dept.

Dated

Recd.

Encl.

G. O. 12 May 1874. No. 1280

No. 299-301

Copper root and sheeting
Letters from the Engr.
Proclamation and the Insp. Genl
of Ordnance & Magazine, re
ferring the particulars of
available for issue in
the two stores and from
Arsenal for Sept. 1874.
Enclosures, recorded -
21 1874. A. write
instructions to the Insp.
Super. Bul. Am. 1874

299-301

14/1/74 R. 21/4/74