

(1) Number of pages 26
(2) Date of repair 11-7-44
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	<u>14-15</u>	Press
		<u>Mis.</u>
<u>27-36</u>		
Dated	<u>5-1-45</u>	18 <u>64</u>

Not to be folded or roughly handled

CM

17

*Proceedings of the Madras Government, Public Works Department,
5th January 1864.*

Read the following papers :—

No. 27. From Captain O. W. S. CHAMBERS, R. E., Superintending Engineer, 1st Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Waltair, 28th October 1863, No. 1,511.

SIR,

1. In pursuance with the Order of Government as per margin,* I have the honor of reporting that there are no Powder Magazines in this Division unprovided with Lightning Conductors, with the exception of the small Expense Magazine of the Battery of the Royal Horse Artillery at Waltair, which is a private building, in fact a mere room, and which will be abandoned immediately the new Barracks are constructed.

2. I would observe that in my opinion the existing Lightning Conductors are of more than doubtful utility; perhaps harmful: Estimates have been submitted for refitting them after the approved method.

No. 28. From Lieutenant-Colonel J. C. ANDERSON, R. E., Superintending Engineer, 2nd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department, Public Works dated Masulipatam, 27th October 1863, No. 965.

SIR,

Referring to G. O. No. 3,007, dated 17th instant, I have the honor to inform you that all the Powder Magazines in the 2nd Division are provided with Lightning Conductors.

No. 29. From Lieutenant-Colonel E. HEMERY, R. E., Superintending Engineer, 3rd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Camp Royachoti, 23rd October 1863, No. 183.

SIR,

With reference to Order of Government No. 3,007, dated 17th instant, I have the honor to report that all the Powder Magazines in this Division are protected by Lightning Conductors with the exception of the Magazine in the Cuddapah Cantonment, but this deficiency has been provided for in the Estimate submitted for sanction on the 1st instant.

No. 30. From Lieutenant-Colonel A. J. M. BOILEAU, R. E., Superintending Engineer, 4th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 15th December 1863, No. 4,056.

SIR,

1. With reference to the Proceedings of Government No. 3,007, dated 17th October 1863, I have the honor to report that all Powder Magazines at the Presidency are provided with Lightning Conductors; but the one at the grand Magazine is reported not to be in working order, a portion of the Copperrod having apparently been stolen. An Estimate for its repair was prepared last year, but the Deputy Chief Engineer Centre Circle declined to sanction it on the grounds that the Magazine was not then in use for the storage of powder; there is however, now a probability that the Ordnance authorities will soon resume charge of this building, and I have instructed the Range Officer to submit an Estimate for placing the Lightning Conductors in efficient order, and for altering them in

accordance with the principles laid down in the War Office Circular on the subject.

Vide Proceedings of Government No. 1,540,
dated 16th June 1863.

2. At Saint Thomas' Mount and at Vellore the Powder Magazines in use are provided with Lightning Conductors; at the former place is a Magazine not so provided, but it is so damp that it is never likely to be used for the storage of powder.

3. At Raneepott (Arcot) there is a Powder Magazine without a Conductor, for which the Range Officer has been directed to furnish an Estimate to meet the rules laid down in the Circular above quoted.

*Proceedings of the Madras Government, Public Works Department,
5th January 1864.*

No. 31. From Captain E. A. FOORD, R. E. Superintending Engineer 6th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Tanjore, 17th November 1863, No. 1,140.

SIR,

With reference to your Official Memorandum No. 60 of the 13th instant, I have the honor to inform you that Powder Magazines in this Division are provided with Lightning Conductors. In letter No. 841 of the 28th September I reported there are at present no Public Buildings in this Division which require Lightning Conductors.

No. 32. From Lieutenant-Colonel H. W. HITCHINS, R. E., Superintending Engineer, 5th Division, to Colonel C. A. ORR, R. E., Secretary to Government Public Works Department, dated Bangalore, 3rd December 1863, No. 1,483.

SIR,

With reference to the Proceedings of Government dated the 17th October last, No. 3,007, I have the honor to report for their information that all the Powder Magazines in this Division are provided with Lightning Conductors.

No. 33. From Lieutenant-Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Canote, 24th November 1863, No. 239.

SIR,

1 Indent in duplicate.
1 Inspector General of Ordnance,
Wrapper.

1. I have the honor to report with reference to Government Order, No. 3,007 of 17th October, and Memorandum, No. 60 of 13th November, that I have ascertained from the various Ranges that no Powder Magazines remain unprotected from lightning save those for which Estimates have been prepared in conformity with the revised instructions, and for which the sanction of Government is not yet received.

2. With reference to this subject, I forward a duplicate indent for copper wire required for lightning Conductors in Neilgherry Range, not complied with by the Inspector General of Ordnance on account of the article not being in store, I shall feel obliged by your instructing me how otherwise it may be obtained in Madras.

No. 34. From Captain F. J. MOBERLY, R. E., Superintending Engineer, 8th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madura, 29th October 1863, No. 1,001:—

SIR,

In reply to your No. 3,007, dated 17th October 1863, I have the honor to report that the Powder Magazine at Palamcotta has a Lightning Conductor; that at Quilon is not provided with one; an Estimate was forwarded on the 18th June 1859 to the Military authorities, but has not yet been sanctioned, amounting to Rupees 200; it will probably require revision.

No. 35. ORDER THEREON, 5th January 1864, No. 14.

1. The Government will await the receipt of the Estimates referred to in paragraphs 1 and 3 of the letter from the Superintending Engineer, 4th Division.

2. The Superintending Engineer, 8th Division, will be requested to submit an Estimate for fitting a Lightning Conductor to the Magazine at Quilon.

3. Ordered that the following letter be sent:—

(Here enter No. 15, dated 5th January 1864.)

(True Extract)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 4th Division.

Do. do. 8th do.

Exd. T. Dunn.

PUBLIC WORKS DEPARTMENT.

Public.

FORT SAINT GEORGE,
5th January 1864.

No. 15.

No. 36.

From

COLONEL C. A. ORR, R. E.,
Secretary to the Government of Fort Saint George, P.W.D.,

To

The Secretary to the Government of India, Public Works Department.

SIR,

1. With reference to the Circular marginally noted, I am directed by the Honorable

From Major Chesney, No. 5,099, dated 21st September 1863. the Governor in Council to state that with the exception of those mentioned below, all the Powder Magazines in this Presidency are protected by Lightning Conductors:—

Small Expense Magazine of the Battery of the Royal Horse Artillery at Waltair, Vizagapatam District.

Powder Magazine in the Cantonment of Cuddapah.

Do. at Saint Thomas' Mount, Madras District.

Do. at Raneepett, North Arcot District.

Do. at Quilon, District.

2. The Expense Magazine at Waltair, which is a small private building in fact merely a room, will shortly be abandoned, while that at Saint Thomas' Mount is so damp that it is never likely to be used for the storage of powder. An Estimate for fitting Lightning Conductors to the Magazine in the Cantonment of Cuddapah is now under the consideration of Government, and others for fitting Lightning Conductors to the Magazines at Raneepett and Quilon have been called for.

3. Several Estimates have been received and others are now under preparation for fixing the Lightning Conductors attached to the Public Buildings in this Presidency in the manner laid down in the note on page 10 of the Circular Memorandum from the War Office, received with the Circular from the Government of India No. 7 of 1863.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. T. Dunn.

N^o 1001

Supg. Engineers Office 8th Divⁿ
Madras 28th October 1863

From

Captain F. J. Moberly R. E.
Supg. Engineer 8th Division

To

Colonel F. A. Orr R. E.
Secy. to Government P. W. D.

Sir

Public

In reply to your No. 3007 dated
17th October 1863 I have the honor to
report that the Powder Magazine at
Palametta has a lightning conduc-
tor that at Quilon is not provided
with one an estimate was forward-
ed on the 18th June 1859 to the Military
authorities but has not yet been
sanctioned. Amounting to Rs. 200 it
will probably require revision.

I am, Sir,

F. Moberly Captain R. E.
Supg. Engineer 8th Division

N. 1140

Sup: Engr's Office to Division
Tanjore 17th November 1853

From

Captain C. A. Ford R. E.

Sup: Engineer to Division

To

Colonel C. A. Orr. R. E.

Secretary to Government
P. W. D.

Sir,
With reference to your Official
Memo N. 60 of the 13th Instant, I have
the honor to inform you that Powder
Magazines in this Division are provided
with Lightning Conductors. In letter
N. 841 of the 28th September I reported
there are at present no Public Buildings
in this Division which require Lightning
Conductors.

I have the honor to be

Sir,

Your most obedient servant

Edw Ford Capt. R. E.

Sup: Engineer to Division

25th 1853
Office of Capt. C. A. Ford
Dated 28th 1853

The Sup: Engineer
P. W. D.

The Secy to Government
P. W. D.

Dated 28th 1853
Nov 27th 1853

Reports that the powder
magazines at Palamcottah
have a lightning conductor
that had been some time
used with one at the end
estimate of Rs 200 was
forwarded to the building
authorities on the 18th June
1853

25th 1853
Office of Capt. C. A. Ford
Dated 28th 1853
Nov 27th 1853

P. 214780002, 1853000, 2200

1854

Superinty: Eng^{rs} Office, 5th Aⁿ
Bangalore 3rd December 1863.

Sir^t Col. H. W. Kitchins R. E.

Superintg. Engineer 5th Division

Colonel C. A. Orr &c.

Secretary to Government P.W.D.

Hi,

With reference to the Proceedings of Government dated the 17th October last No 3007, I have the honor to report for their information that all the Powder Magazines in this Division are provided with Sighting Conductors.

Shave the honor to be,

Mr,

104,
Your most Obedt Servant.

Gröden

L. Col. R. E.

Superintg: Engineer 5th Regt

Oct 17 1863 *2* after
 the of *10* for *10* and
 from *10* to *4* 1798.
 The ship: *10* passed
 the
 the necessary by *10*
 S. W. C.
 Dec 17 { *10* for *10*
 Dec 21 { *10* for *10*
 S. W. C.

2. 11. 40

Informing that
Greater efficiency in
the Division are
provided with important
Conductions

Jan 14 1845

07032

24th Dec 1923. P. 2. 2nd

Superintending Engr's Office
7th D^o
Canoto, 24th Nov/63.

Supr Engr's Office 2nd D^o
No 965 Masulipatam
27th October 1863.
From Lieut Colonel J. B. Anderson R.E.
Supr Engineer 2nd D^o
To, Colonel Charles Barr R.E.
Secretary to Govt 2nd D^o

Sir. Referring to G.O. No 3007
dated 17th instant, I have the
honour to inform you that
all the powder magazines
in the 2nd D^o are provided
with lightning conductors.

I have the honour to be
Sir,
Your most obed^t Serv^t
J. Anderson R.E.
Supr Engineer 2nd D^o

L. K.
Engr

I have the honour to be
Sir,
Your most obed^t Serv^t
M. Walker Lieut. Col. R.E.
Supr. Engr. 7th D^o

Pub. No 1863 Report
of the Engrs of the 5th Division
to the Secretary to Govt
2nd D^o

Dated 3rd Decem^r
1863.

No. 1483

Reporting that all
the powder magazines
in the 5th Division are
provided with lightning
conductors.

For 14815-5th January 1864.

No. 1483

C. J. 10578207 1863 22.20.13

21st Oct 1863

21

No 1863 Lupa
 Pro. of foot for January
 From J. 4429
 The Supr Engineer
 D.D.
 The Secretary to Govt
 D.W.
 Dated 21st October 1863
 Recd 2 Nov
 No 965

Informing that
 all the powder
 magazines in the
 Division are
 provided with
 lightning conductors.

14 & 15-5 January 1864.

No 21

21st Oct 1863 A. 22m

Superintending Eng's Office
 7th Div
 Canote, 24th Nov/63.

From,
 Lieut. Colonel G. W. Walker R.E.
 Superintending Engineer 7th Div.

No 183. Camp Payakoto
 23rd October 1863.

From
 Lieut. Col. G. W. Walker R.E.
 Superintending Engineer 3rd Division.
 To
 Colonel G. A. R. R.E.
 Secretary to Government P.W.D.

Sir
 With reference to order of Government
 No 3007 dated 17th Inst. I have the honor
 to report that all the powder magazines
 in this Division are protected by lightning
 conductors with the exception of the Magazine
 in the Buddapak bastionment but this
 deficiency has been provided for in the
 Estimate submitted for sanction on the 1st Inst.

I have the honor to be
 Sir most
 Your obedient servant
 G. W. Walker
 Lieut. Col. R.E.
 Superintending Engineer
 3rd Division.

Have the honor to be
 Sir
 Your most obedt. Servt.
 G. W. Walker Lieut. Col. R.E.
 Supr. Eng. 7th Div.

C. 21st Dec 1863

11

W 1863 Depa
Pro. of foot for January
N 4429

W 1863 Depa
Pro. of foot for Jan 11.
N 4361

Lieut Col. E. Henry P. Co.
Superintending Engineer
3rd Division.

Col. E. A. Orr
Secretary to Govt. P. & O.

Dated 23rd
Received 28th } October 1863.

Report that all Powder Magazines
in the 3rd Division are protected
by lightning conductors except
the one in Buddapah Cantonment

14-4-15-5th January 1864

C. 21st Dec 1863. Or. 22nd

N 29

Superintending Engineer's Office

7th Div
Canote, 24th Nov 63.

From,

Lieut. Colonel G. W. Walker R.E.
Superintending Engineer 7th Div.

To,

Colonel E. A. Orr R.E.
Secy. to Govt. P. & O. Madras.

Sir,

Encls 3.
1. Sent in dupli.
1. Draft Genl. of Mr. Munro
1. Draft of Mr. Munro

I have the honor to report with reference
to Government Order N^o 3007 of 17th October &
Memo N^o 60 of 13th November, that I have
ascertained from the various Ranges that no
Powder Magazines remain unprotected from
Lightning save those for which Estimates have
been prepared in conformity with the revised in-
structions, and for which the sanction of Government
is not yet received.

2. With reference to this subject I forward
a Duplicate Estimate for Copper wire required for
Lightning Conductors in Nilgerry Range, not
supplied with by the Inspector General of Ord.
nance on account of the article not being in
store. I shall feel obliged by your instructing
me how otherwise it may be obtained in
Madras.

I have the honor to be
Sir

Your most obedt. Servt.
Wm. Walker Lieut. Col. R.E.
Sup. Eng. 7th Div.

Superintending Engineer
Office, 1st D^o, Wattair,
28th October 1863.

From
Captain W. S. Chambers R.E.
Superintending Engineer

To
Colonel Charles A. Orr R.E.
Secretary to Government
Madras.

Sir,

In pursuance with the Order of
Government as per margin, I have the
honor of reporting that there are no pow-
-der magazines in this Division unpro-
-vided with lightning conductors, with
the exception of the small expense Ma-
-gazine of the Battery of the Royal
Horse Artillery at Wattair, which is a
private building, in fact a mere room,
and which will be abandoned imme-
-diately the new barracks are construct-
-ed.

2. I would observe that in my
opinion

* N^o 3007 of
17th Dec^r 1863.

1863
17th Dec^r 1863
Office of the Secretary to Government
of the Madras Presidency
The Secy. to Govt. Office
Madras
Dated 24th 1st November 1863
Per: 3007

N^o 3007
1863
17th Dec^r 1863
Office of the Secretary to Government
of the Madras Presidency
The Secy. to Govt. Office
Madras
Dated 24th 1st November 1863
Per: 3007
1863
17th Dec^r 1863
Office of the Secretary to Government
of the Madras Presidency
The Secy. to Govt. Office
Madras
Dated 24th 1st November 1863
Per: 3007

opinion the existing lightning conduc-
tors are of more than doubtful utility,
perhaps harmful: Estimates have been
submitted for refitting them after the
approved method.

I have the honor to be
Sir,
Your most Obedient St.
Supg Engr's Office
1st Div. Wallair.
28th October 1863.

Rob. Chambers Capt. R.E.
Superintending Engineer 1st Div.

R.M.

Copy Public Works Dept
ingr of the India Government
Under date 5th Jan^y 1864
118 / 1 / Read the following
Notice.

108

to submit an estimate
for fitting a lightning
conductor to the Magazine
at Andon.
Ordered
Transf^d to the Secy. 16th by Order
of the Registrar.

opinion the existing lightning conductors are of more than doubtful utility;

W 1863 Depo
 Co. of Capt Geo Chapman
 Major 1st Div
 The Superintendent
 1st Division

To The Secy to Govt
 D. W. Chapman
 Dated 28th
 Decr 29th 1863
 Recd. 3rd Jan 1864
 No 1511

Reports that there are no powder magazines in this Division unprovided with lightning Conductors with the exception of the small expense Magazine of the Battery of the Royal Horse Artillery at Waltham.

No 27

21st Decr 1863 P. 22nd

14 & 15 - 5th January 1864

Proceedings of the Committee of the Government
 Under date the 5th Jan 1864
 Read the following
 papers.

from the Supergrange 1 st Div.	84.2. 28 th (Octr 1863 No 1511)
— 2 nd —	84.2. 27 th — " No 965
— 3 rd —	84.2. 23 rd — " No 183
— 4 th —	84.2. 15 th — " No 4056
— 5 th —	84.2. 3 rd — " No 1485
— 6 th —	84.2. 17 th Nov — " No 1160
— 7 th —	84.2. 24 th — " No 239
— 8 th —	84.2. 28 th (Octr) — " No 1001

The Government will await the receipt of the Estimates referred to in paras 1 and 3 of the letter from the Supergrange. The Superintendent Engineer & Co will be requested to submit an Estimate for fitting a lightning conductor to the Magazine at Dublin.

The Supergrange 1st Div.
 8th 5th

Encls: Transf. to the Secy to Govt
 16th 1864
 of the Registrar.

Ordered

Ordered that the following
letter be sent.

10/15

To
The Secy to the Govt of India
(P.M.D.)

Sir

With reference to the
Circular marginally notd,
I am directed by the
Honorable the Governor
in Council to state
that with the exception
of those mentioned below,
all the Powder Magazines
in this Presidency are
protected by Lightning
Conductors.

Small Expense Magazine of
the Battery of the Royal
Artillery at Waller-
Vazagpet m. at 10.

Powder Magazine in the
Cantonment of Madras
at St Thomas Mount. Ma
Do

From Major Greening
No 5099 D 21 Sept/65

— With reference to the
Circular at Madras —

128
Expense 128
The Magazine at
Wallar which is a small
in fact merely a room
private building will
shortly be abandoned, while
that at Saint Thomas
Mount is so damp that
it is never likely to be
used for the storage of
Powder. An Estimate
for fitting lightning Con-
ductors to the Magazine
in the Cantonment of
Waller is now under
the consideration of Govt
and also for fitting
lightning Conductors to the
Magazines at Ramnath
and Quilon have been
called for.

Several Estimates
have been received and
others

Others are now under
preparation for fitting
the Lightning Conductors
attached to the Public
Buildings in this Territory
in the manner laid
down in the note on
page 10 of the Circular.
Memo: from the War
Office, received with the
Circular from the Govt.
of India May 1868

Received
of the
Treasury
28/12/68

Chepauk
5th Jan 1869

Recd. 6th January/69

1827 @ 205

40 W 1864 Disps
Pro: of Govt for Aug.

No 14 & 15
Pro: of the Mfg Co
D/ 5th Aug/64

Papers containing
replies of the Supp.
Eng^r relative to
Powder Magazines
being provided with
Lightning Conductors.

No 27. at 35 & 36