

(1) Number of pages _____

(2) Date of repair 2/1/55

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	<u>1270</u>	Press Mis.
Dated	<u>12-5-55</u>	1855.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
12th May 1865.*

No. 248. Read the following Proceedings of the Madras Government in the
Public Department:—

Requesting the Director of Telegraphs,
Southern Division, to see that in the
erection, in future, of telegraph posts
on bridges or anicuts, &c., the Superin-
tending Engineer's permission and
approval of the proposed method of
erection is previously obtained. (Here enter 3rd May 1865, No. 464.)

No. 249. ORDER THEREON, 12th May 1865, No. 1,290.

CIVIL WORKS, No. 33.

Communicated to the Superintending Engi-
neer, 1st Division, and to all other Superintending
Engineers.

(True Extract.)

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

To the Superintending Engineer, 1st Division.
To all other Superintending Engineers.

Exd. S. T. Augusta.

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*Proceedings of the Madras Government, Public Department,
3rd May 1865.*

No. 15. Read the following letter from Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works; dated Waltair, 19th April 1865, No. 1877.

I have the honor to forward copy of a Report by Sub-Engineer Irving, with a view to orders being issued that, when it is deemed necessary to put up telegraph posts on bridges or anicuts, &c., the Superintending Engineer's permission, and approval of the proposed method of erection, should be previously obtained.

2. In the present case, I have called upon the Superintendent of Electric Telegraph to carry the lightning conductor down to the river bed, as suggested by the Range Officer.

From Mr. H. IRVING, Sub-Engineer, in executive charge of No. I Range, to Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division; dated Chicacole, 12th April 1865, No. 213.

In inspecting the bridge across the Nangoolka river at Chicacole, I observe that the telegraph wire, which spans the river at this place, crosses the bridge, and is fixed on the eastern parapet wall.

2. The posts composed of corrugated or galvanized iron, four in number, are screwed into the parapet wall with an iron screw, similar to a screw pile—the top portion being of wood for about three feet—and from the point of this wooden portion is a lightning conductor, leading to the iron lower standard, and no further, and this latter arrangement appears to me to be highly objectionable, as should the wire be struck with lightning (as is not at all unlikely); the electricity would be conveyed directly into the masonry of the bridge, and there, meeting with an obstruction, would most probably splinter, if not destroy, the bridge. I would, therefore, suggest that the Telegraph Superintendent of the Division be communicated with, if you think it necessary, and that he should be requested to suspend the lightning conductor by carrying it over the parapet walls and burying it in the bed of the river.

(True Copy).
(Signed) J. G. RYVES, Captain, R. E.,
Superintending Engineer, 1st Division.

Referred to the Public Department, for consideration.
(Signed) C. A. ORR, Col., R. E.,
Secretary to Government, P. W. D.

FORT SAINT GEORGE,
20th April 1865.

ORDER THEREON, 3rd May 1865, No. 464.
Communicated to the Director of Telegraphs, Southern Division, with a request that, in the erection in future, of telegraph posts, on bridges or anicuts, &c., he will be good enough to observe the course suggested in paragraph 1 of the letter from the Superintending Engineer, 1st Division.

(True Extract).

Chief Secretary.

To the Director of Telegraphs, Southern Division.
" Department Public Works.

Ed. J. H. Burns.

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*Proceedings of the Madras Government, Public Department,
3rd May 1865.*

No. 15. Read the following letter from Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works; dated Waltair, 19th April 1865, No. 1877.

I have the honor to forward copy of a Report by Sub-Engineer Irving, with a view to orders being issued that, when it is deemed necessary to put up telegraph posts on bridges or anicuts, &c., the Superintending Engineer's permission, and approval of the proposed method of erection, should be previously obtained.

2. In the present case, I have called upon the Superintendent of Electric Telegraph to carry the lightning conductor down to the river bed, as suggested by the Range Officer.

From Mr. H. IRVING, Sub-Engineer, in executive charge of No. I Range, to Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division; dated Chicacole, 12th April 1865, No. 243.

In inspecting the bridge across the Nangoolka river at Chicacole, I observe that the telegraph wire, which spans the river at this place, crosses the bridge, and is fixed on the eastern parapet wall.

2. The posts composed of corrugated or galvanized iron, four in number, are screwed into the parapet wall with an iron screw, similar to a screw pile—the top portion being of wood for about three feet—and from the point of this wooden portion is a lightning conductor, leading to the iron lower standard, and no further; and this latter arrangement appears to me to be highly objectionable, as, should the wire be struck with lightning (as is not at all unlikely); the electricity would be conveyed directly into the masonry of the bridge, and there, meeting with an obstruction, would most probably shatter, if not destroy, the bridge. I would, therefore, suggest that the Telegraph Superintendent of the Division be communicated with, if you think it necessary, and that he should be requested to lengthen the lightning conductor by carrying it over the parapet walls and burying it in the bed of the river.

(True Copy).
(Signed) J. G. RYVES, Captain, R. E.,
Superintending Engineer, 1st Division.

Referred to the Public Department, for consideration.
(Signed) C. A. ORR, Col., R. E.,
Secretary to Government, P. W. D.

FORT SAINT GEORGE,
20th April 1865.

No. 16.

ORDER THEREON, 3rd May 1865, No. 464.
Communicated to the Director of Telegraphs, Southern Division, with a request that, in the erection, in future, of telegraph posts, on bridges or anicuts, &c., he will be good enough to observe the course suggested in paragraph 1 of the letter from the Superintending Engineer, 1st Division.
(True Extract).

[Signature]
Chief Secretary.

To the Director of Telegraphs, Southern Division.
" Department Public Works.

Ed. J. H. Burns.

2^d M. 1865 20th May
(Mo. of Govt. for 1865)

From the Hon. Secy. of the
War Office, London

2^d M. 1865
20th May 1865

1865

Received by the
Director of Telegraphs
on the 20th May 1865
the following report
of the progress of the
work on the line of
telegraph from the
Director of Telegraphs
to the Hon. Secy. of the
War Office, London
on the 20th May 1865

20th May 1865

20th May 1865

Civil Works

1865

Communicated to
the Hon. Secy. of the
War Office, London
on the 20th May 1865

20th May 1865

20th May 1865

20th May 1865

20th May 1865

20th May 1865