

(1) Number of pages 18

(2) Date of repair 2-5-77

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 312	Press ~~Mis~~
29-30	
Dated 1. 2	1871 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st February 1871.*

No. 29. Read the following Endorsement of the Acting Consulting Engineer for Railways, dated Madras, 30th January 1871, No. 46:—

From the Agent and Manager of the Madras Railway Company, to the Acting Consulting Engineer for Railways, dated Madras, 27th January 1871, No. 65.

I HAVE the honour to inform you that the Chief Engineer* reports that the state of health of Mr. T. H. Going, the Deputy Chief Engineer on Construction,

necessitates a change to the hills, and that the Company's Consulting Physician has recommended that two months' sick leave be granted to him with that object.

2. Under these circumstances, it appears to me to be very desirable that the examination of bridges ordered by Government to be undertaken by the Committee, of which Mr. Going is a Member, should be postponed until that gentleman's return to duty, especially considering, as explained by Mr. Going in his letter to

the Chief Engineer,† that the preliminary arrangements will occupy most of the interval, and as the river beds will have become much drier by that time so that the examination can be more readily and satisfactorily conducted.

3. With regard to the Cheyaur bridge it is expected that, in a few days, the excavation commenced at one of the foundations will be completed. When this has been done Mr. Beresford Anderson will communicate with you and Colonel Roberts, and will be prepared to accompany you in your inspection.

4. I hope that, under the circumstances, these arrangements will be satisfactory to the Government.

From S. H. GOING, Esq., Deputy Chief Engineer, to the Chief Engineer of the Madras Railway Company, dated Madras, 26th January 1871, No. 2.

As the Consulting Physician considers my health to require a residence of two months on the hills, you will have his certificate accordingly.

2. Meantime, however, as I have been appointed a Member of the Commission nominated as per G. O., No. 2,710, of 12th November 1870, to examine bridge foundation, it will be desirable to inform the Members of the Commission, with whom I am associated (Lieutenant-Colonel R. A. Roberts, R. E., and Captain H. L. Prendergast, R. E.,) of the necessity which will occasion my absence from duty.

3. There need, however, be no apprehension that my efficiency as a Member of the Commission will be at all impaired by this temporary absence. I have given all necessary instructions to the Resident Engineers for the preparation of coffer dams, pumps, etc., at the various bridges which are included under the Order of Government for examination. It will require some little time to complete these preliminary arrangements. To the end of March will not be an unreasonable time to allow, and as by that time the quantity of water in the river beds will be much reduced, there will be less difficulty in getting at the foundations.

4. I would therefore propose that the Engineers be given to the end of March to make the preparations, and that the Members of the Commission should commence their actual scrutiny of foundations early in April.

5. With regard to the Cheyaur bridge, as the operation in connection with its reconstruction will afford full opportunity for studying the causes of failure of the original foundations more closely than is at present possible, I do not anticipate that the other Members of the Commission will consider my presence at the first stage of the examination of these foundations as a matter of any importance.

*Proceedings of the Madras Government, Public Works Department,
1st February 1871.*

6. May I ask you to be kind enough to communicate this matter to the Agent for the information of the Consulting Engineer and Colonel Roberts.

SUBMITTED to the Government.

No actual inspection of the foundations of bridges has as yet been accomplished by the Committee, as from the continuance of water in the sandy beds of the rivers, both on the surface, or immediately below, much labour and expense would have been involved in the arrangements necessary for pumping out the water to a depth of several feet.

2. At the Cheyaur river attempts were made, as soon as the flood of October last had subsided, to open out the foundations of one of the piers, but it appeared that nothing effectual could be done without the use of steam-power. When a steam-pump was obtained and placed in position it was found on trial to be out of order; and although a fitter was sent specially to remedy what was amiss, it became eventually necessary to bring down to the Perambore Workshops part of the machinery for repair. A second pump was then brought up, but the flood of last week put a stop to operations.

3. The two steam-pumps are now working at the 14th pier of the Cheyaur bridge, (this pier being undisturbed, and the nearest to those damaged by the great flood,) and as the water had nearly run off when I was on the spot four days ago, I am expecting to receive intimation at any moment that an examination of the foundations can now be effected.

The thorough inspection of this bridge, however, must be carried on as early as possible in order that a definite plan may be decided upon for the conveyance of traffic over the river in the next monsoon.

4. In regard to the arrangements proposed by Mr. Going, I scarcely consider it advisable to defer so long the examination of all the bridges together. Orders were issued by him to the Engineers to make the necessary preparations for the examination by the Committee of the bridges on the North-West Line, and I think it especially advisable that the foundations of the Palar bridge should be examined at an earlier date.

(Signed) H. L. PRENDERGAST, Captain, R.E.,
Acting Consulting Engineer for Railways.

No. 30. ORDER THEREON, 1st February 1871, No. 312.

RAILWAY, No. 3.

As the Government are of opinion that no avoidable delay should be allowed to occur in prosecuting the examination of the foundations of the bridges on the Madras Railway, His Excellency the Governor in Council resolves to direct the Consulting Engineer to request the Agent and Manager to nominate Mr. Beresford Anderson to act for Mr. Going on the Commission of which the latter is a Member.

(True Extract.)

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

To the Acting Consulting Engineer for Railways.
Exd. E. C. Shunker.

No. 65.
No. 65.
MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 27th January 1871.

From

Robert D. Edwin Eggo
Agent and Manager. M. R. Co.

To

Captain H. L. Prendergast, R.E.,
Actg. Consulting Engineer for Railways.

Sir,

1/46-26th
Jan 1871.

I have the honor to inform you that the Chief Engineer reports that the state of health of Mr. G. H. Going the Deputy Chief Engineer on Construction necessitates a change to the Hills, and that the Company's Consulting Physician has recommended that two months sick leave be granted to him with that object.

2. Under these circumstances it appears to me to be very desirable that the examination of bridges ordered by Government to be undertaken by the Committee of which Mr. Going is a Member, should be postponed until that gentleman's return to duty, especially considering—as explained by Mr. Going in his letter to the Chief Engineer.—that the preliminary arrangements will occupy most of the interval, and as the river beds will have become much drier by that time so that the examination can be more readily and satisfactorily conducted.

2-26th inst
Copy enclosed.

3. With regard to the Cheyenne bridge
it is expected that in a few days the excavation
commenced above of the foundations will be
completed. When this has been done Mr.
Berensford Anderson will communicate with
you and Colonel Roberts, and will be pre-
pared to accompany you in your inspection.

4. I hope that under the circumstances
these arrangements will be satisfactory to
the Government.

I have the honor to be
Sir
Your most obedient Servant.

Wm. J. Smith
Agent and Manager.

J P 3

Madras Railway Company
By Chief Engineer's Office
Madras 26th January 1871
The Chief Engineer

My dear Sir

As the Consulting Physician
considers my health to require a residence
of 2 months on the Hills, you will have
his certificate accordingly.
Meantime, however as I
have been appointed a member of the
Commission nominated as per G.O.
No 2712 of 12th November 1870, to examine
Bridges foundation, it will be desirable
to inform the members of the Commission
with whom I am associated (Lt Col R.A.
Roberts R.E. and Captain H. Prendergast R.E.)
of the necessity which will occasion
my absence from duty.

There needs however be no
apprehension that my efficiency as a
member of the Commission will be at
all impaired by this temporary absence.
I have given all necessary instructions
to the Resident Engineers for the pre-
paration of Coffin Dams, Pumps &c,
at the various Bridges which are
included under the Order of Govern-
ment, for examination. It will require
some little time to complete these
preliminary arrangements. To the end

From

MADRAS RAILWAY.

The Agent and Manager.

The Consulting Engineer

for Railways.

Off 44571

Dated 27th Jan'y 1871.
Recd. 28th

No. 65

Regarding the Civil
Engineers' requirements
that two months sick
leave be granted to the
going one of the members
of the Commission,
accounted for the
examination of the
foundations of the bridge
at Cleypore —

No. 46.

Submitted to the Government.

No actual inspection of the foundations of bridges has as yet been accomplished by the Committee: as from the continuance of water in the sandy beds of the rivers, both on the surface, or immediately below, much labour and expense would have been involved in the arrangements necessary for pumping out the water to a depth of several feet.

2. At the Cheyenne River attempts were made, as soon as the flood of October last had subsided, to open out the foundations of one of the piers; but it appeared that nothing

of ~~the~~ will not be an unreasonable time to ~~take~~; and as by that time the quantity of water in the river beds will be much reduced there will be less difficulty in getting at the foundations.

I should therefore propose that the ~~Engineers~~ be given to the end of ~~the~~ to make the preparations, and that the ~~Members~~ of the Commission should commence their actual scrutiny of foundations early in April.

With regard to the Cheyenne Bridge the operation in connection with its construction will afford full opportunity for studying the causes of failure of the original foundations more closely than is at present possible, I do not anticipate that the other Members of the Commission will consider my presence at the first stage of the examination of these foundations as a matter of any importance.

I ask you to be kind enough to communicate this matter to the Agent for the information of the Consulting Engineer and Colonel Roberts.

Yours very truly
J. H. Goins
Deputy Chief Engineer

afforded for me-
circulation of the
foundations of the bridge
at Cheyenne -

True copy

W. F. Smith
Agent & Engineer

effectual could be done, without the use of steam-power. When a steam-pump was obtained and placed in position, it was found, on trial, to be out of order; and although a Fitter was sent specially to remedy what was amiss, it became eventually necessary to bring down to the Perambore Workshops part of the machinery for repair. A second pump was then brought up, but the flood of last week put a stop to operations.

3. The two steam-pumps are now working at the 14th pier of the Cheyau bridge, (this pier being undisturbed, and the nearest to those damaged by the great flood): and as the water had nearly run off,

when I was on the spot 4 days ago; I am expecting to receive intimation at any moment that an examination of the foundations can now be effected.

The thorough inspection of this bridge however must be carried on as early as possible, in order that a definite plan may be decided upon, for the continuance of traffic over the river in the next monsoon.

4. In regard to the arrangements proposed by Mr. Goring, I scarcely consider it advisable to defer so long the examination of all the bridges, together. Orders were issued

months sick leave
be granted to be going.

1871. d. 1st
P. W. R. 445

From
The Consulting Engineer
for Railways,

To
The Secretary to Govt.
P. W. R.

Dated 1st } Jan 1871.
Received 31 }
Em: 21 } No. 46.

Submitting a
letter received from the
Agent & Manager in-
Camp, reporting that the
Consulting Physician
recommends that two
No. 312-1 Feb 71.

Ob 29

No. 312

Proceedings of the Madras Government

Under date the 1st January 1871.

Read the following

From the Chief Engineer
for Railways (Here enter No. 46/30. Jan 1871)

As the Government
are of opinion that no
avoidable delay should
be allowed to occur
in prosecuting the
examination of the
foundations of the
Bridges on the
Madras Railway
His Excellency the
Governor in Council
resolves to direct the
Consulting Engineer

N.

M.

J.

to request the Agent
and Manager to
nominate a Mr
Berisford Anderson

to act for the
going on the Com.
mission of which
the latter is a member.

Mr. Anderson
is a well
known
and
reliable
man

Further Book 558 of 21
571-27

The Com. Engrs
for Railways
L.S. Dept 1/2/71
L.C. 10/2/71

No 445

Govt of 1871 Madras.

PUBLIC WORKS.

1. The Consulting Engineer
for Railways

File

Recd.

2

G. O. 1st July 1871, No. 312.

No. 25400

Bridges. The Engineer for
Railways desired to request
the Agent & Manager to
nominate Mr. Herford
Anderson back for Mr.
Goring on the Commission
for the examination of
the foundations of
bridges on the Madras
Railway.