

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works DEPARTMENT

G.O. No.	2413-14	Press
B.P. No.		Mis.
22.23.24		
Dated	1. 10. 1873.	195 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st October 1873.*

No. 22. Read the following endorsement of the Consulting Engineer for Railways, dated Madras, 12th September 1873, No. 481:—

From W. B. WRIGHT, Esq., Acting Agent and Manager of the Madras Railway Company, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Madras, 11th September 1873, No. 706.

WITH reference to the correspondence noted in the margin, I have the honour to enclose you a copy of the Acting Chief Engineer's letter, No. 609, of the 10th instant, in which he reports further as to the result of the process of silicating the brickwork at the New Central Station.

From T. H. GOING, Esq., Acting Chief Engineer, to W. B. WRIGHT, Esq., Acting Agent and Manager of the Madras Railway Company, dated Madras, 10th September 1873, No. 609.
Consulting Engineer's letter, No. 809, of 4th instant.

I HAVE examined the brickwork in Central Station which was treated with the silicating mixture in last April, and find that the process of decay has been completely arrested in all those bricks whose surfaces had been crumbling previous to the application of the mixture. These, as well as the sound bricks, have been rendered externally harder than on ordinary well-burned brick.

2. From what I can learn through the Inspector and Maistry who were engaged in washing the brickwork on this occasion, more attention was paid to thoroughly saturating the face of the bricks with the mixture by means of a brush, than appears to have been thought necessary on the first occasion when it was applied in January 1872. The mixture was also, at the recommendation of Mr. Chisholm, used without the admixture of equal parts of water as specified by the Patentee. The result is certainly far more successful than on the first occasion, and I should be inclined to attribute this principally to the care bestowed in thoroughly saturating the surface of the brickwork than to the omission of water in mixing the wash.

3. It is, however, to be observed that a period of only five months has elapsed since the silicate was effectively applied, and that ultimate results cannot be derived with certainty from this amount of experience.

SUBMITTED for the information of Government with reference to the second paragraph of their order, dated the 29th November 1872, No. 2,806.

2. The Chief Engineer has been requested to submit another report upon the result of the silicating process after longer experience.

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Consulting Engineer for Railways.

No. 23. ORDER THEREON, 1st October 1873, No. 2,413.

RAILWAY, No. 6.

ORDERED that these papers together with the previous report recorded with G. O., No. 2,806, dated 29th November

1872, be forwarded for the information of the Government of India.

2. The further report of the result of the silicating process which has been called for will be awaited.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.

Exd. W. H. French.

Spare Copies.

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 1st October 1873.

No. 24.

No. 2,414.

FROM

COLONEL G. W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

RAILWAY, No. 7.

SIR,—With reference to paragraph 2 of your letter, No. 765-G.R., dated 7th June 1872, I am directed by

His Excellency the Governor in Council to forward the accompanying reports of the result of the silicating process as applied to the brickwork of the New Central Station.

2. I am to add that a further report will be submitted after longer experience of the experiment.

I have the honour to be,

Sir,

Your most obedient servant,

Colonel, R.E.,
Secretary to Government.

Exd. W. H. French.
Spare Copies.

No. 706

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 11th Sept 1873

From

H. Banton Wright Esqre,
Acting Agent and Manager of the M.R. Co

To

Lieut Col. J. Hall Shaw Stewart Esq
Consulting Engineer for Railways.

Sir,

With reference to the Circulars
To Comd Engrs 10828 - 14th Nov 1872 } - for clause marked
H.M. - Do - 1008. 30 Decr 1872 } in the margin, I
H.M. - Do - 809. 4 Sept 1873 } have the honour
to enclose you a copy of the Acting Chief
Engineer's letter 10609 of the 10th instant
in which he reports further as to the
result of the process of silicating the
Brickwork at the new Central station

I have the honour to be,
Sir,
Your most obedient servant

[Signature]

Acting agent & Manager

to boy

Madras Railway Company
Chief Engineer's Office
Madras 10th Sept 1873

The Agt Agent & Manager,
Dear Sir,

Consulting Engineer's letter to boy of 11th instant

I have examined the Brickwork in Central station which was treated with the silicating mixture in last April and find that the process of decay has been completely arrested in all those Bricks whose surfaces had been crumbling previous to the application of the mixture - These, as well as the sound Bricks have been rendered externally harder than ordinary well burned brick -

2. I know what I can learn through the Inspector and Maistry who were engaged in washing the Brickwork on this occasion, more attention was paid to thoroughly saturating the face of the bricks with the mixture, by means of a brush, than appears to have been thought necessary on the first occasion when it was applied in January 1872. The mixture was also, at the recommendation of Mr. Chisholm, used without the admixture

From
MADRAS RAILWAY.

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated Madras 12th Sept 1873
Recd.

11th No. 706.

Enclosed copy of a
letter to the Agent from
the Chief Engineer
as to the result
of the process of
silicating the
brickwork at the
Central Station
Madras 10th Sept 1873.

of equal parts of water as specified
by the Patentee - The result is
certainly far more successful than
on the first occasion and I should
be inclined to attribute this principally
to the care bestowed in thoroughly
saturating the surface of the brickwork,
than to the omission of water in
mixing the wash -

3. It is however to be observed
that a period of only 5 months has
elapsed since the silicate was
effectively applied and that ultimate
results cannot be derived with
certainty from this amount of
experience -

Yours faithfully
Signed J. H. Goring
Chief Engineer

/ True Copy /

~~Wm. H. Goring~~

Ag. agent & Manager

Consulting Engineer's Office
Railway Department No. 481

Submitted for the
information of Government,
with reference to the second
paragraph of their order
dated the 29th November 1872,
No. 2806.

2. The Chief Engineer has
been requested to submit another
report upon the result of the
silicating process after longer
experience.

Wm. H. Goring
Chief Engineer

Madras
12th Sept
1873
J. H. Goring
Chief Eng.

Cons. Eng. for Railway

Letter to Lady B. Sept 73 B. 20

W
1891
64
2
To The Cong: Eng.
for Rep.
S. C. and 7/10/73

To
The Secretary to the
Govt of India (P.W.)
Sir. With reference to para-
graph 2 of your letter
No. 765 G. O. dated 7th
June 1872, I am directed
by

by His Excellency the
Governor in Council
to forward the accompanying
reports of the result of the
elicitating process as applied
to the brickwork of the
New Central Station

I am to add that
a further report will be
submitted after longer
experience of the experiment.

G. W. W.

Dated with previous
Page 7/10/73

H^o 22-26.

12.20.8/173

12.20.8/173

Forward Reports
of the results of the
elicitating process
as applied to the
brickwork of the
New Central Station
at Madras.

by His Excellency the
Governor in Council
to forward the accompanying
reports of the result of the
silicating process as applied
to the brickwork of the
• New Central Station

I am to add that
a further report will be
submitted after longer
experience of the experiment

G.W.

Decked with previous
Page 7/10/13

8^o 22-26.

22-20-8/11/13

Order to be sent to the
order to be sent to the

Govt. of 1873 Madras
PUBLIC WORKS.

The Consulting Engineer
for Railways
To the Secretary to the
Govt of India

Dated

Encl.

Encl. 2

o.c. 1^o Dec 24/13
24/14.

Nov. 22-23/14

Silicating process.

Reports of the results
of the silicating process
as applied to the brick-
work of the New Central
Station at Madras
ordered to be for-
warded to the Govt of
India