

- (1) பக்கங்களின் எண்ணிக்கை 10
 (2) புதுக்கித் திருப்பிய நாள் October 90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 100

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

(94)

அரசாணை எண். 416
 மு. கோப்புத் தாள் எண்.

அச்சகம்
 பலவகை

நாள் : 10-2-1892

198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

5 Sheets

ஆவண, கா-1-18,006-15-6-87.

2-9

Enclosure

Table referred to.

Number of girders	Deflection	Side deflection	Date of testing.
1 East	$\frac{1}{4}$ "	$\frac{1}{4}$ "	7-12-91 46/X
1 West	$\frac{3}{8}$ "	$\frac{1}{2}$ "	
2 East	$\frac{1}{4}$ "	$\frac{1}{4}$ "	
2 West	$\frac{1}{4}$ "	nil	
3 East	$\frac{1}{8}$ "	nil	10-12-91
3 West	$\frac{1}{4}$ "	$\frac{1}{8}$ "	
4 East	$\frac{1}{4}$ "	$\frac{3}{16}$ "	
4 West	$\frac{1}{4}$ "	nil	
5 East	$\frac{3}{16}$ "	$\frac{1}{8}$ "	11-12-91
5 West	$\frac{1}{8}$ "	nil	
6 East	$\frac{1}{8}$ "	nil	
6 West	$\frac{1}{8}$ "	$\frac{1}{16}$ "	
7 East	$\frac{1}{8}$ "	$\frac{1}{16}$ "	14-12-91
7 West	$\frac{1}{8}$ "	nil	
8 East	$\frac{1}{4}$ "	nil	
8 West	$\frac{1}{8}$ "	nil	
9 East	$\frac{1}{8}$ "	$\frac{1}{16}$ "	
9 West	$\frac{1}{4}$ "	nil	
10 East	$\frac{3}{8}$ "	$\frac{1}{8}$ "	
10 West	$\frac{5}{16}$ "	$\frac{1}{8}$ "	

No 1 Girder is at North end of the Bridge.

Order 6th February 1892, no. 250 M-Ins

Recorded pending the issue of final orders on the question of improving the Coorn rivers.

/ True Extract/

M. W. D. C.

Ag. Under Secretary.

To

The President, Municipal Commission, Madras.

Public Works Department.

C. W. D.

Writing to the effect in the Coorn Scheme that the bridge over the Coorn on the Beach has been condemned & that the new bridge, provided in his Scheme, might be sanctioned independently of the Scheme under "Communications". Is this so?

C. W. D.

12.2.96

L. W.

The bridge and connected works have been included in the Canal Scheme and they must, I think, be held to form a part of that Scheme. To now exclude the bridge in consequence of the estimate being found to exceed the powers of the Local Government, I think, is inadvisable. At all events, it would be open to challenge by the same way as the Canal entrance within

Municipal Department.

4/16/96

RAS GOVERNMENT.

Read the following paper:—

Municipal Commission, Madras

P. W. No. 1329

G. O. dated 8 July 1891, No. 1031.

Order to submit as follows:—

to the question of repairing the

advisable to have some practical

and having obtained a grant

committee for the purpose the vice

it to the following test.

10 spans of the Bridge was

in rails, the estimated weight of

is equivalent to a dense crowd

test load which it is ever likely

to sustain.

ing to put on the load, the

order was noted and as the

deflection was carefully

taken

Order 6th February

Recorded pending

orders on the question of improvement of rivers.

1/2

harbour limits has been challenged. If the bridge the bridge were wholly unconnected with the Canal Scheme there would, of course, be no objection to carrying it out as an independent work.

R.S.
12 Feb 96.

Can.

Even so we long whether the existing bridge is condemned or not. This seems to be an important point.

Can. 12.2.96

R.H. Please put up the papers on the subject of the bridge.
R.S.
12 Feb 96.

Can. Papers put up - Please see paras: 98 & 99 on page 17 of G.O. No 349 - Sec. II - of 11 March 1891 and notes you recorded with G.O. No 1349 W of 15-5-91 -

D.W.
12-2-96
The bridge belongs to the Municipality and is

If the President's letter recorded with H.O. 416 W of 10 Feb 92 he expresses the opinion, after regular test, that the bridge is in no immediate danger. It would thus seem that, apart from the Canal Scheme, there is no claim on Provincial funds in connection with the bridge.

H.O. 4

R.S.
12 Feb 96

Under the circumstances -

13.2.96

R.H. These notes can be attached to H.O. 416 W of 10 Feb 92 and the file put away.
R.S.
13 Feb 96

at and Municipal Department.



4/6/96

MADRAS GOVERNMENT.

Read the following paper:-

nt, Municipal Commission, Madras

2, P. W. No 1529

to G.O. dated 5 July 1891, No 1031

to honor to submit as follows:-

into the question of repairing the

it advisable to have some practical

tion and having obtained a grant

Committee for the purpose the vice

put it to the following test.

the 10 spans of the Bridge was

row rails, the estimated weight of

tons equivalent to a dense crowd

atest load which it is ever likely

to sustain.

encing to put on the load, the

gorder was noted and as the

the deflection was carefully

taken

Order 6th February

Recorded pending
orders on the question of improve-
ments.

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To

The President, Municipal Commission

Public Works Department

No.

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[26]

Local and Municipal Department.



4/16/91

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

From the President, Municipal Commission, Madras

Dated 15 January 1892, P. W. No. 1329

1972 W 226-7-91

With reference to G. O. dated 8 July 1891, No. 1031

Mr. Meis, I have the honor to submit as follows:—

Before going into the question of repairing the
Bridge I deemed it advisable to have some practical
proof of its condition and having obtained a grant
from the standing Committee for the purpose the vice
President, P. W. 13 put it to the following test.

Each of the 10 spans of the Bridge was
loaded with 250 iron rails, the estimated weight of
which was 52 1/2 tons equivalent to a dense crowd
of people, the greatest load which it is ever likely
to be called upon to sustain.

Before commencing to put on the load, the
position of each girder was noted and as the
load increased the deflection was carefully

taken

or
riv
taken and the table appended gives the total deflection
of each girder from which it will be seen that so
far as the girders are concerned the Bridge
is perfectly safe in spite of the girders having
rusted in many places.

It only remains for the flooring and
bracing to be put in good order and when this
is done the Bridge will last for many years.

The cost of this is estimated at Rs 14,000/. But
until the question of improvements to the
Coorn involving as it may the removal
of the Bridge, is settled I do not think it
advisable to undertake these repairs there
being no urgent necessity for them.

In conclusion I may
add that Colonel Pennington was good
enough to accompany me one morning
and inspected the testing of one span.

Enclosure

4/6
1/4

(2)

Govt. of 1892 Madras

Local and Municipal Department.

To

The P. W. Dept.

Recd 9.2.92

Proceedings, dated

No. 250 (Mun.)

Subject.

According with
remark, letter from the
President Municipal
Commission Madras submitting
a tabular statement with
a report as to the testing of
the Napier Bridge.

No 753. W 14.3.91
No 1347 W 5.5.91
No 611. W 1.3.91
No 345 W 10.6.91
No 3264. W 9.12.86
No 1972 W 23.7.91
No 247. D 14.6.86
No 1288. W 21.5.86
No 1643 C 4.10.84
No 3582. C 7.8.91

No. 1416 W 10 February 1892

Communicated to
the Consulting Architect
for information in con-
tinuation of L.O. 1972 W
of 23^d July 1891.

CCB
9.2.92

S. J.

Notes attached -

S.S.
13-2-96

✓ The (L)

C.A. 10/12

C.A. 10/12