

(1) Number of pages 198

(2) Date of repair 1937

(3) Initials of the Referencer

# MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

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| G.O. No. 1555    | Press |
| 63-55-26         | Mis.  |
| Dated 30-5-1864. |       |

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,  
30th May 1864.*

No. 635. Read the following letter from Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Tanjore, 18th May 1864, No. 174:—

SIR,

Enclosure 1.

1. On a late visit to Trichinopoly it was reported to me by the Assistant Engineer Mr. Brosnahan that the bridge of 36 arches of 60 feet span across the Colleroon river, near Trichinopoly, was showing signs of settlement, when I took the opportunity of proceeding in his company to inspect the work.

2. I found that there was evidence of several of the piers sinking, and the greatest settlement had occurred at No. 1 pier from the north bank of the river. I enclose a sketch showing the cracks, in one instance from 1½ to 2 inches wide, in four of these piers. They extend across the length and through the body of the piers, and present the same appearance on both faces, indicating, I consider, that the piers and foundations are settling *en masse*. One or two of the piers were plastered over the cracks, and No. 1 pier showed the settlement through the plaster on the 4th day.

3. I think the bridge may remain safe for years. No. 1 arch is the only one that exhibits cracks at the haunch, but this may have been an old settlement. I have sanctioned an Estimate on emergency, amounting to Rupees 1,700, for pointing and repairing the piers, and for filling up the floorings of the bridge with loose stone between these piers, as the old floorings have also settled. These precautions will tend to prevent disturbance by the river floods at the foundations of the work, and I consider it unsafe to take further measures such as opening up the bed with a view to strengthening the walls and masonry above.

No. 636. ORDER THEREON, 30th May 1864, No. 1,555.

The proceedings of the Superintending Engineer, 6th Division, reported in this letter are approved.

(True Extract.)

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

To the Superintending Engineer, 6th Division.  
Controller and Auditor of Public Works Accounts.

Exd. S. T. Augustin.

... are  
settling "en masse". One or two of the

N. 174

Super Engineer Office to D<sup>r</sup>  
Tanjore 13<sup>th</sup> May 1884

From

Captain J. Beem R.E.

Offg. Super Engineer to D<sup>r</sup>

To

Colonel C. A. Dyer R.E.

Secretary to Government

P. W. D.

Sir,

Enclosure one

On a late visit to Trichinopoly it was reported to me by the Assistant Engineer Mr. Brownham that the Bridge of 36 Arches of 60 feet span across the Coleroon River near Trichinopoly was showing signs of settlement, when I took the opportunity of proceeding in his company to inspect the work.

I found that there was evidence of several of the Piers sinking, and the greatest settlement had occurred at No. 1 Pier from the south bank of the River. I enclose a sketch showing the cracks, in one instance from 1½ to 2 inches wide, in four of these Piers. They extend across the length and through the body of the Piers, and present the same appearance on both faces, indicating, I consider, that the Piers and Foundations are settling "en masse". One or two of the

the Piers were plastered over the cracks, and No. 1 Pier showed the settlement through the plaster on the 4<sup>th</sup> day.

<sup>3</sup> I think the Bridge may remain safe for years. No. 1 Arch is the only one that exhibits cracks at the haunch, but this may have been an old settlement. I have sanctioned an Estimate on emergency amounting to Rupees 1700 for pointing and repointing the Piers, and for filling up the floorings of the Bridge with loose stone between these Piers, as the old floorings have also settled. These precautions will tend to prevent disturbance by the River floods at the foundations of the work, and I consider it unsafe to take further measures such as opening up the bed with a view to strengthening the Walls and masonry above.

I have the honor to be  
Sir  
your most obedient servant

*H. M. Gupta* R.C.  
Offg. Supr. Engineer Ind.

NO 1555

The proceedings of the  
Superintending Engineer B. Division  
reported in this letter are approved.

To The Supg Engineer  
B. Division

Controller & Auditor

A.P. W. accounts

20<sup>th</sup> May 1861

21<sup>st</sup> May

the Piers were plastered over the  
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1864  
Dep't  
of  
Treas  
No 2738  
The Supr. Engineer  
to the  
The Secretary of the  
Board.

Dated 15<sup>th</sup> May 1864  
Recd 21<sup>st</sup>  
No 174

Enclosure one  
No 1555-30<sup>th</sup> May 1864.  
Reporting that the Bridge  
across the Coleroon River  
near Trichinopoly was  
showing signs of settlement  
and that he has sanctioned  
an Estimate for repairing  
certain Piers &c  
of the same -  
With orders

No 605. 136.

I have the honor to be  
Sir  
your most obedient servant  
J. M. S. R. C.  
Offr. Supr. Engineer