MRO 1—77,006—8-6-37.

(1) Number of pages_____

(2) Date of repair 10.6.[illegible]

(3) Initials of the Referencer_____

# MADRAS RECORD OFFICE.

## Government of Madras.

Public works DEPARTMENT.

G.O. No. 2138 Press ~~Mis.~~

249-50

Dated 19—8— 1871.

**Not to be folded or roughly handled**

No. 249 Read the following letter from the Acting Superintending Engineer, 7th Division, to the Secretary to Government, Public Works Department, dated Camp Avenashypolliem, 28th July 1871, No. 78 —

I HAVE the honour to inform you that the undermentioned bridges in Malabar and South Canara are reported to have been injured during the first burst of the monsoon on the Western Coast, namely :—

MALABAR.—*Koodataya Bridge* on the 3rd mile of the Tambracherry and Areacode Road. This bridge consists of three spans, 30 feet each, of ordinary beams, supported by cantilevers. On the 16th of June 10 feet by 7 feet of the upstream corner of the left abutment collapsed, leaving one beam unsupported at its extremity, but held up by joist nails The rest of the abutment was so badly split from top to bottom that it fell two days afterwards The Range Officer was on the spot on the 16th of June, and saved the timber superstructure. A good fair weather ford is reported to be available 200 yards south of the bridge.

2. CANARA.—*Goletuttoo Bridge*, at the 42nd mile of road from Mangalore to Munzerabad, consisting of two segmental arches of 21 feet span, pier and abutments 3½ feet high; constructed in the year 1862-63 at a cost of Rupees 2,163 The Range Officer reports that half of both the arches on one side fell on the 26th June 1871, and a portion of the pier cracked fell on the following night, without injuring the remaining halves of the arches, which are still standing. The Range Officer states that a longitudinal crack existed in these arches since 1865, but that this crack remained unchanged till he observed it on the 23rd June, or three days before the collapse, when the crack had become wider and extended to the pier to a depth of about a foot and a half below the springing line of the arches.

3. I have just received another report of the fall of part of the Mahe bridge, on the coast road between Calicut and Tellicherry. Full details have not arrived; but the bridge has been in a dilapidated condition for some time, and an estimate for an iron girder bridge on screw piles is under consideration. The estimate for this bridge, as well as for another on the same line, called the "Koodacadadoo," will be submitted in due course. They are delayed pending receipt of the memoranda promised by the Superintendent of Public Works Workshops, giving plans and estimates for such girders as the materials available will allow to be constructed at Madras.

4. Sundry other damages have occured to other bridges in the South Canara District from the effect of drift-wood from freshes; but these can be repaired from maintenance grants.

5. Funds not being available for the reconstruction of the bridges* for the present, I propose, after personally inspecting them on my next tour in Malabar and Canara, which I hope to commence in October, to report further on the same, submitting the necessary estimates, etc., etc.

* Noted in paragraphs 1 to 3.

No. 250. ORDER THEREON, 19th August 1871, No. 2,138.

CIVIL WORKS, No. 13.

WITH reference to his letter of the 28th July 1871, No 78, reporting the damage sustained by several bridges in

Copy to Superintending Engineer 7th Division

*Proceedings of the Madras Government, Public Works Department,*
*19th August* 1871.

the Malabar and South Canara Districts from floods, the Superintending Engineer of the 7th Division will be informed that Government will await the further report promised by him after a personal inspection of the works. Meanwhile the Acting Superintending Engineer should, with as little delay as practicable, inform the General Superintendent of Public Works Stores and Workshops what are the general dimensions of the iron bridges that he desires to erect, when, as he was informed in G. O, No. 1,778, dated 5th July 1871, plans and estimates of the same will be prepared in Madras and be furnished to him.

(True Extract)

Captain, R.E.,
*Under Secretary to Government.*

To the Acting Superintending Engineer, 7th Division.
,, General Superintendent of Public Works Stores.

Exd. S T Augustin.

No. 78

Supy Engineer's Office,
7th Division,
Camp Avinashypollium,
28th July 1871.

3B

From Lieut. Colonel D. Farewell &c.
Ag. Supy Engineer, 7th Dn

To The Secretary to Government,
P.W.D. Madras.

Sir,

I have the honor to inform you that the undermentioned Bridges in Malabar and South Canara are reported to have been injured during the first burst of the Monsoon on the Western Coast, viz—

Malabar— Koodalaya Bridge, on the 3rd mile of the Tambrachery and Arecode Road.— This Bridge consists of 3 spans, 30 feet each, of ordinary beams supported by Cant-levers. On the 16th of June, 10 x 7' of the Upstream Corner of the left Abutment collapsed, leaving one beam unsupported at its extremity, but held up by Joist rails. The rest of the Abutment was so feebly split from top to bottom that it fell 2 days afterwards

afterwards.- The Range Officer was on the Spot on the 6th of June, and Levelled the Timber Super 2 structure - A good fair weather ford is reported to be available 200 yards South of the Bridge.-

2. Goletuttoo Bridge - At the 42nd Canara - mile of Road from Mangalore to Mungerabad - Consisting of 2 Segmental Arches of 21 feet span, Pier & Abutments 31/2 feet high; Constructed in the Year 1862-63 at a cost of Rs 2163.- The Range Officer reports that half of both the Arches on one side fell on the 26th June 1871 and a portion of the Pier Cracked, fell on the following night, without injuring the remaining halves of the Arches which are still standing - The Range Officer states that a longitudinal Crack existed in these Arches since 1865, but that this Crack remained unchanged till

till he observed it on the 23rd June or 3 days before the collapse, when the Crack had become wider and extended to the River to a depth of about a foot and a half below the Springing line of the Arches -

3. I have just received another report of the fall of part of the Beahe Bridge on the Coast Road between Calicut & Tellicherry - Full details have not arrived but the Bridge has been in a dilapidated Condition for some time and an Estimate for an Iron Girder Bridge on Screw Piles is under Consideration - The Estimate for this Bridge as well as for another on the same line called the "Kodacadavoo" will be submitted in due Course - They are delayed pending receipt of the Memoranda promised by the Superintendent of

of Public Works. Workshops, giving plans & Estimates for such Girders as the Materials available will allow to be constructed at Madras.—

4 Sundry other damages have occurred to other Bridges in the South Canara District from the effect of driftwood from freshes; but these can be repaired from Maintenance Grants.—

5. Funds not being available for the reconstruction of the Bridges* for the present, I propose, after personally inspecting them on my next tour in Malabar and Canara which I hope to commence in October, to report further on the same submitting the necessary Estimates &c &c &c

I have the honor to be,
Sir,
Your most obed Servt

W Hamilton Lt Col R.E.
Asst Inspr Genl of Works

* Noted in paras 1 to 3.—

No 249

6 Bridges Constructed in S. Canara

Copy of Letter
P. W. D. Department
No. 2138/38
98

Proceedings of the Madras Government
Under date the 19th August 1871

Read the following.

From The Supg Engr 7th Div. / No. 3887 dated 28th July 1871 Recd 2nd Augt

The Supg Engineer
7th Div.

To The Secretary to Govt
P. W. Department
Madras.

No. 78
Dated 28th July 1871.
Recd 2nd Augt

Reports destruction of certain Bridges in Malabar & South Canara Distts.

No. 2138 - 19th Augt 71

With reference to his letter of the 25th July 1871, No. 78, reporting the damage sustained by several bridges in the Malabar and South Canara districts from floods, the Supg Engineer 7th Division will be informed that Government will await the further report promised

promised by him after a personal inspection of the Works. Meanwhile the General Superintendent of Public Works Stores will be requested to expedite the preparation and despatch of such plans and estimates of iron girders as the Superintending Engineer may consider necessary.

Approved

the Acting Supdg Engr should with as little delay as practicable inform the Genl Superintendent of P.W. Stores and Workshops what are the general dimensions of the iron bridges that he desires to erect; when, as he was informed in Pub Dept Letter dated 5 July 1871, plans and estimates of the same will be prepared in Madras and furnished to him.

8 Aug: 10th

To The Supdg Engr of the ... Div
... Genl Supt of Pub Works Stores

Despd 21/8/71.

No 3687

Govt of 1871 Madras.

PUBLIC WORKS.

To

The Acting Superintending
Engr 1st Division

Dated

Recd. Feb 1

G. O. 19th Augt. No 2128.

Nos. 249 & 250

Bridges in the Malabar & South Canara Dists. The further report promised by the Mhgy. Engr of the 1st Dn on the damage sustained by several bridges in the Malabar & South Canara Dists, awaited.