M.R.O. 1—77,006—3-5-37.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Financial DEPARTMENT.

G.O. No. 1457	Press Mis.
1-3	1-3
Dated 1-5-41	18-14.

7/8

Not to be folded or roughly handled

Read the following papers:—

No. 1. Proceedings of the Board of Revenue, dated 5th August 1874, No. 2100.

Read the following letter from H. S. THOMAS, Esq., President of the Local Fund Board, Canara Circle, to J. GROSE, Esq., Secretary to the Board of Revenue, dated Mangalore, 14th July 1874, No. 546.

I HAVE the honor to submit, for the sanction of Government, an estimate,* amounting to Rupees 6,800, for repairing the Needgul Timber Bridge of eleven bays on the Codecal Ghaut Road No. 4, *viâ* Charmady to Buntwal.

* 1 Detailed and abstract estimate.
1 Specification Report.

2. I beg also to enclose a copy of the Resolution of this Board, dated the 6th instant, approving the estimate.

3. The District Engineer reports that this bridge is in great need of repair; that one of its beams has already fallen; and that almost all the joists and planking are so decayed, that it is not likely to be available for the use of traffic after the end of the current monsoon.

4. It was built in the year 1865-66, at a cost of Rupees 15,243-12-6, and is reported to have since undergone petty repairs from the maintenance grant of the Codecal Ghaut Road; but it does not, however, appear to have been thoroughly repaired on a separate estimate since that time.

5. A sum of Rupees 2,200 is available for this work out of the lump allotment of Rupees 9,000 for "repairs to timber bridges" in the current year's Budget, and the balance of Rupees 4,600 has to be provided from the current year's Road Fund Reserve.

ENCLOSURE No. 1.—Detailed and Abstract Estimate.

ENCLOSURE No. 2.—Specification Report.

ENCLOSURE No. 3.—Extract from Proceedings of Local Fund Board.

THE estimate, amounting to Rupees 6,800, is submitted for the sanction of Government.

2. On the receipt of the sanction to the estimate, the Board will allot the requisite funds.

(A true Copy and Extract.)

(Signed) J. GROSE,
Secretary.

Referred to the Chief Engineer for his opinion.

(Signed) D. F. CARMICHAEL,
Acting Chief Secretary.

OOTACAMUND,
14*th August* 1874.

Needgul Bridge.

No. 2.

There is no doubt of the necessity of repairs to the superstructure of this bridge. It is only necessary to remark that the kinds of timber to be used should

be distinctly specified by name, the general term "good jungle wood" used in the specification being insufficient.

2. The estimate may be reduced by Rupees 500, the propriety of tarring all the timber being doubtful. It greatly increases the liability of the superstructure to destruction by fire—a casualty which has happened before now to Canara Timber Bridges, and it will suffice to apply tar to the sleepers and struts, which alone are in contact with masonry. The ends even of well-seasoned timbers are liable to rot from such contact.

3. The prices allowed, Rupees 2 and Rupees 2¼ per cubic foot, as against Rupees 1¼, the rate of the original estimate of ten years ago, ought to insure the best jungle wood being used.

(Signed) G. W. WALKER, Colonel, R.E.,
Chief Engineer, P.W.D.

25th August 1874.

No. 3. ORDER THEREON, 1st September 1874, No. 1457.

The estimate is sanctioned, and the attention of the Local Fund Board will be drawn to the note by the Chief Engineer.

2. Perhaps the Rupees 500, which may be saved from the allotment for tarring, might be advantageously expended in trying the effect of a broken metal or gravel roadway in preserving the timber platform from the deteriorating effects of the weather and the traffic.

(True Extract.)

Acting Chief Secretary.

To the Board of Revenue.
,, Public Works Department, with three enclosures.
,, Accountant-General.

Exd. A. Grubert.

Govt. of Madras.

FINANCIAL.

To

THE BOARD OF REVENUE,

&c., &c., &c.

Dated September 1st.

Recd. *Read.*

G.O., 1st September 1874, No. 1457.

SEPTEMBER.

Nos. 1–3.

Needgul Timber Bridge, South Canara District.—The estimate, amounting to Rupees 6,800 for repair of this bridge, sanctioned, and the attention of the Local Fund Board drawn to the note by the Chief Engineer on the subject.

5

Needgul Bridge.

There is no doubt of the necessity of repairs & the superstructure of this Bridge – It is only necessary to remark that the kinds of Timber to be used should be distinctly specified by name; the general term "good timber" word "used in the specification being insufficient.

The Estimate may be reduced by Rs 500, the propriety of taxing all the Timber being doubtful. It greatly increases the liability of the superstructure to destruction by fire;

a casualty which has happened before now to Common Timber Bridges - and it will suffice to apply Tar to the Sleepers and Struts, which alone are in contact with masonry - The ends even of well seasoned Timbers are liable to rot from such contact -

The prices allowed, Rs 2 and Rs 2¼ per Cubic Foot, as against Rs 1¼, the rate of the original estimate of 10 years ago, ought to insure the best Jungle wood being used -

Lumsden Lt R.E.
Chief Engineer R.P.W.

25.8.74.

Chief Engineers Office.

Financial Dept.

No. 2.

Revd 14th Augt 74

Financial Dept

Needgul Timber Bridge.

Dated 30th July 1874.

P.C. No 1457

1457 9

Madras 1874. Dept.

Board of Revenue,

MADRAS.

PROCEEDINGS, 5TH AUGUST 1874, No. 2,100.

Dept 10 Aug 1874

Encl 8

No. 1648

Received 12 August 74.

AUGUST.

No. 2,100.

Needgul timber bridge—on Codeal Ghaut Road No. 4. *vid* Charmady to Buntwal, in South Canara District.—Estimate, amounting to Rupees 6,800, for repair of—, submitted for sanction of Government.

Referred.

Referred to the Chief Engineer for his opinion.

H Harrison
Actg Chief Secretary

No 3100 dated 12th Augt 74

To the Chief Engineer. The Board's Proc dated 5 inst

Dept 14th August 74

Copy to Rly

4 11

Cotacd 8th Sept 1874 No 1657.

The estimate is sanctioned and the attention of the Local Fund Board will be drawn to the note by the Chief Engineer.

Perhaps the Rs 500 which may be saved from the abstinence for tarring might be advantageously expended in trying the effect of a broken metal or gravel roadway in preserving the timber platform from the deteriorating effects of the weather and the traffic.

27/8

To the Board of Revenue

Dated The frequent renewal of timber bridges which is required in Canara is a most serious source of expense. The timber bridges on the Kalyani have also usually gravel roadways. - I spoke to Col Walker about this and though he thinks that a similar system might be tried in Canara he is not prepared definitely to recommend it for general adoption. Some of the timber bridges in South Canara have gravel roadways.