M.R.O. 1—27.005—3-8-57.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Reformer _____

MADRAS RECORD OFFICE.

Government of Madras.

..... DEPARTMENT.

G.O. No.	Press Mrs.
163-164	
Dated	18

Sil.

Not to be folded or roughly handled

No. 163. Read the following Proceedings of the Board of Revenue, dated 17th November 1873, No. 2345 :—

Read the following letter from A. MACGREGOR, Esq., President of the Local Fund Boards, Malabar, to J. GROSE, Esq., Secretary to the Board of Revenue, dated Calicut, 27th October 1873, No. 557 :—

I HAVE the honour to forward an estimate for Rupees 7,430 for rebuilding the Erangitodu Bridge.

2. The old bridge consisted of two bays spanned by timber-girders supported on laterite abutments with a pier of the same material in the middle.

3. In the Budget of 1873-74 a sum of 2,500 Rupees was provided for replanking the roadway, and, just as the planking was about to be put on, the centre pier gave way and the whole structure collapsed.

4. It was found that the wood-work was entirely decayed; the masonry-abutments were also injured.

5. As similar bridges with high laterite-abutments have one after the other given way, it was the intention of the Acting District Engineer to rebuild abutments and piers with brick, as has been done in the case of the Cherupoyah Bridge in the same locality.

6. The new bridge would have cost some 30,000 Rupees.

7. The present Acting District Engineer, however, who has been for many years acquainted with the locality, informed me some months ago that he did not consider that anything like so large an amount of waterway was required, as the stream, though wide and deep, owed this mainly to its being a sort of backwater from the river. Subsequently to this, that is, in July, there occurred one of the highest known floods in that part of the country, and this gave an opportunity of testing the correctness of this view. The temporary bridge, constructed at a cost of a few hundred Rupees, though the flood-water was at one time ten or twelve feet over it, was not carried away. I was at the bridge-site myself one evening when the water stood so high over the bridge that it was impossible to cross, yet there was scarcely any current, and what there was ran from the big river instead of towards it. Next morning the water fell to the level of the roadway and I found the bridge in no way injured.

8. Captain Bailey has now prepared a plan and estimate, based on the inspection he made directly after the flood, which provides for bridging the river at a cost of only 7,430 Rupees. The abutments are to be lowered five feet, which will remove a great deal of pressure, and this can be further diminished, if necessary, by adding a land-bay on each side, and the roadway is to be supported on strong teak-piles driven into the bed of the stream near enough together to admit of the opening being spanned by single beams, thus obviating the expense of masonry-pier and costly girders.

9. In anticipation of bricks being required a sum of Rupees 2,153 was spent in preparing them, as they can only be moulded and burned at certain seasons. Captain Bailey proposes to bring them on the accounts as stock and use them for other work.

10. This appears to be the best plan as there is no demand for bricks in the locality, but the mode of adjustment appears to be a subject belonging to the Controller.

Enclosure No. 1.—Plan.

Enclosure No. 2.—Estimate.

Enclosure No. 3.—Specification Report.

The estimate for rebuilding the Erangitodu Bridge, at a cost of Rupees 7,430, will be submitted for the sanction of Government.

2. The old bridge has fallen. A similar bridge with brick instead of laterite abutments and pier would cost Rupees 30,000, but good reasons are given for concluding that the smaller and less expensive work now proposed will suffice.

3. There is an allotment of Rupees 2,500 for the bridge in the current year's budget.

(A true Copy and Extract.)

(Signed) J. GROSE,
Secretary.

No. 164. Order thereon, 26th November 1873, No. 1724.
The work is sanctioned.
(True Extract.)

Chief Secretary.

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

Exd. J. Wright.

No. 2,345.

Proceedings of the Board of Revenue, dated 17th November 1873.

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4. It was found that the wood-work was entirely decayed; the masonry abutments were also injured.

5. As similar bridges with high laterite abutments have one after the other given way it was the intention of the Acting District Engineer to rebuild abutments and piers with brick, as has been done in the case of the Cherupoyah Bridge in the same locality.

6. The new bridge would have cost some 30,000 Rupees.

7. The present Acting District Engineer, however, who has been for many years acquainted with the locality, informed me some months ago that he did not consider that anything like so large an amount of waterway was required, as the stream, though wide and deep, owed this mainly to its being a sort of backwater from the river. Subsequently to this, that is, in July, there occurred one of the highest known floods in that part of the country, and this gave an opportunity of testing the correctness of this view. The temporary bridge, constructed at a cost of a few hundred Rupees, though the flood-water was at one time ten or twelve feet over it, was not carried away. I was at the bridge-site myself one evening when the water stood so high over the bridge that it was impossible to cross, yet there was scarcely any current, and what there was ran from the big river instead of towards it. Next morning the water fell to the level of the roadway and I found the bridge in no way injured.

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9. In anticipation of bricks being required a sum of Rupees 2,158 was spent in preparing them, as they can only be moulded and burned at certain seasons. Captain Bailey proposes to bring them on the accounts as stock and use them for other work.

10. This appears to be the best plan as there is no demand for bricks in the locality, but the mode of adjustment appears to be a subject belonging to the Controller.

(Signed) H. STRACHEY,
Offg. Secy. to Govt.

To
The Board of Revenue,
&c. &c. &c.

Postal Notice, 28th November, 1873.

G.O., 28th November 1873, No. 1724.

NOVEMBER
Nos. 1931-34.

Malabar District Local Funds.—The estimate amounting to Rupees 7,430, for rebuilding the Erangitodu Bridge, sanctioned.

Enclosure No. 1.—Plan.

Enclosure No. 2.—Estimate.

Enclosure No. 3.—Specification Report.

The estimate for rebuilding the Erangitodu Bridge at a cost of Rupees 7,430 will be submitted for the sanction of Government.

2. The old bridge has fallen. A similar bridge with brick instead of laterite abutments and pier would cost Rupees 30,000, but good reasons are given for concluding that the smaller and less expensive work now proposed will suffice.

3. There is an allotment of Rupees 2,500 for the bridge in the current year's budget.

(A true Copy and Extract.)

A Grote
Secretary.

To the Chief Secretary to Government, Financial Department, with three enclosures.

Copy to the President of the Local Fund Boards, Malabar.
" to the District Engineer, do.
" to the Officiating Controller of Public Works Accounts.

Exd. A. S. Rodgers.

Read 1873.

GOVERNMENT OF FORT ST. GEORGE,
MADRAS.

PROCEEDINGS, 17TH NOVEMBER 1873, No. 2,345.

Encl. 5

Received

NOVEMBER
No. 2,345.

Erangitodu Bridge—in Malabar District—Estimate for rebuilding—at a cost of Rupees 7,430, submitted to Government for sanction.

Govt. of India.

Financial.

To The Board of Revenue

Dated Nov^r 26.

Rec^d. Read.

Ans^d. 26 Nov^r. 1873. No. 1724.

Nos. 163. 164.

Malabar D. L. Fd. Fee Estimate.
Rs. 7430 for the building the
Erangeloden Bridge, Sanct^d.

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