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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No.	Press / Mis.
Dated	18 .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 5th October 1869.

No. 85. Read the following Proceedings of the Madras Government in the Revenue Department :—

Tirukurungudi bridge in Tinnevelly District.—The revised estimate submitted by the Board of Revenue for its construction, sanctioned. (Here enter 27th September 1869, No. 2,665.)

No. 86. ORDER THEREON, 5th October 1869, No. 3,214.

LOCAL FUNDS, No. 9.
Civil Works.

COMMUNICATED to the Superintending Engineer of the 8th Division.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 8th Division.
,, Controller of Public Works Accounts.

Exd. S. T. Augustin.

Govt. of {1869} Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,

8TH DIVISION.

&c., &c., &c.

Dated October, 5th.

Read.

Encl.

G. O., 5th October 1869, No. 3,214

OCTOBER.

Nos. 85-86

Tirukurungudi bridge.—Proceedings Revenue Department, sanctioning the revised estimate of Rupees 14,100 for the construction of the Tirukurungudi bridge in the Tinnevelly District, communicated to the officer concerned.

Proceedings of the Madras Government, Revenue Department, 27th September 1869.

No. 410. Read the following Proceedings of the Board of Revenue, dated 24th August 1869, No. 6,357 :—

Read the following letter from the Acting Collector of Tinnevelly, to the Acting Secretary to the Board of Revenue, dated 25th June 1869, No. 254.

I HAVE the honour, in continuation of my letter, No. 216, dated 20th ultimo, requesting sanction for the grant of Rupees 3,554 from the District Road Fund Reserve of the current official year for completing the construction of the Tirukurungudi bridge, to request sanction for a further grant of Rupees 625, or a moiety of Rupees 1,250, being the difference between the original and the revised estimate herewith submitted; the other moiety to be met from the Chuttrum Funds.

	RS.
Original Estimate	12,850
Revised do.	14,100
Difference ...	1,250

2. The causes which led to the revision of the original estimate are set forth in the Superintending Engineer's letter, copy of which is forwarded.

ENCLOSURE No. 1.

From the Officiating Superintending Engineer, 8th Division, to the Collector of Tinnevelly, dated 20th June 1869, No. 691.

I HAVE the honour to forward, for submission to the Revenue Board, a revised estimate of Rupees 14,100, with a comparative statement for the construction of the five-arch bridge at Tirukurungudi. The original estimate which

1 Detailed estimate.
1 Abstract estimate.
1 Comparative statement.

was prepared by Supervisor Mooniappa Pillay in November 1867, was sanctioned in Government order, No. 551, of the 18th February 1868, to the amount of Rupees 12,850, and sanction is now requested for a further sum of Rupees 1,250.

2. One principal cause of the increased cost of the work is the destruction of the two piers in October last. You were, I believe, a witness yourself of the violent flood that came down the river, and swept away the piers. An earthen bund had been thrown across the river from the right bank to divert the water along the left bank while the foundations were being got in, and when the river rose the force of the water was concentrated at the opening near the left bank. A projection from the left bank of the river above the bridge on which some cocoanut trees were growing, threw off the force of the water diagonally towards the right bank; and the current acting on the whole length of the piers, instead of being broken by the cut-waters, the masonry was unable to stand the pressure. The projecting bank and trees had therefore to be removed to prevent there being any obstruction to the free passage of floods in their right direction.

3. The estimate allowed for the foundations being built of rough stone-in-chunam to a depth of seven feet, but, in the execution of the work, it was found necessary to sink wells at a cost of Rupees 750, and to build over them with brick-in-chunam to a height of two feet. The increased cost of brickwork-in-chunam in substitution for the rough stone, is Rupees 772; but both quantity and rates also are higher than first estimated. The rate of Rupees 4½ per cubic yard is raised by one Rupee. There are no bricklayers to be found at or near Tirukurungudi fitted for the careful construction of a bridge, and men had to be brought from Palamcottah; while also owing to the restrictions enforced by the Forest Department, firewood could only be obtained from a greater distance, and the cost of fuel was unavoidably raised. For the same reasons, there is an excess of Rupees 200 in the item of arch-work; owing to the removal of the irregularity in the river-bank above the bridge and improvements to the approaches, there is an excess of Rupees 257 in earth-work. Rupees 225 are added for the additional baling, together with scaffolding and

sundries, consequent on the renewal of the two fallen piers. There is an additional item of Rupees 135 also for giving the arch-work the protection of a covering of concrete. Towards meeting the considerable additions thus detailed, a reduction of Rupees 201 is effected on the roadway; and there is a saving of Rupees 426 on the wood-work and sand-boxes for the centerings; the general result however being an increase in cost of Rupees 1,250.

ENCLOSURES Nos. 2 and 3.—Estimates.

ENCLOSURE No. 4.—Statement.

THE revised estimate, amounting to Rupees 14,100, for the construction of the Tirukurungudi bridge is submitted for the sanction of Government.

2. The original estimate, amounting to Rupees 12,850, was sanctioned in Government order, Revenue Department, 12th February 1868, No. 399; half to be provided from the District Road Fund and half from the Endowment Fund.

3. It will be observed that the present revised estimate is in excess of the original estimate by Rupees 1,250, and it is proposed to meet this in similar portions from the same funds. The cause of excess is fully explained in the Superintending Engineer's letter, dated 20th June 1869, No. 691.

4. In anticipation of the sanction of Government to the revised estimate, the Board have provided an allotment of Rupees 625, being a moiety of the cost in the list of Incomplete Road Fund works, which will be disposed of separately. The other moiety, Rupees 625, may be disbursed from the Endowment Fund, and the Accountant-General is requested to place that sum at the disposal of the Public Works Department.

No. 411.

ORDER THEREON, 27th September 1869, No. 2,665.

Local Funds, No. 10.
Civil Works.

THE revised estimate, amounting to Rupees 14,100, is sanctioned. A moiety of this sum is to be provided from the District Road Fund, and the other moiety from the Endowment Fund.

(True Extract.)

Acting Secretary to Government.

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

Exd. F. R. Bantleman.

sundries, consequent on the renewal of the two fallen piers. There is an additional item of Rupees 135 also for giving the arch-work the protection of a covering of concrete. Towards meeting the considerable additions thus detailed, a reduction of Rupees 201 is effected on the roadway; and there is a saving of Rupees 426 on the wood-work and sand-boxes for the centerings; the general result however being an increase in cost of Rupees 1,250.

ENCLOSURES N... 2 and 3 ...

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No. 411.

To the Board
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Exd. F. R. Ba...

P.W. 1869 Dept.
Govt. of {1869} Madras.
No 4093
REVENUE.

To

THE BOARD OF REVENUE.

&c., &c., &c.

Dated September, 27th.

Recd. "29" Encl.

G. O., 27th September 1869, No. 2,665.

SEPTEMBER.

Nos. 410-411.

No 3214- 5th Octr 1869

Tirukurungudi bridge in Tinnevelly District.—The revised estimate submitted by the Board of Revenue for its construction, sanctioned.

With an order

3214

No 3214
Communicated to the
Supg Engr of the 1st Dn.

Fort St George
5th Octr 1869

To
Lt Col Dyas
Centr Dn
Dept 6/10/69.

sundries, consequent on the renewal of the two fallen piers. There is an additional item of Rupees 135 also for giving the arch-work the protection of a covering of concrete. Towards meeting the considerable additions thus detailed, a reduction of Rupees 201 is effected on the roadway; and there is a saving of Rupees 426 on the wood-work and sand-boxes for the centerings; the general result however being an increase in cost of Rupees 1,250.

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Govt. of {1869} Madras.

PUBLIC WORKS.

To The Superintending Engr
8th Division

Dated &c., &c., &c.

Recd.

Encl.

G. O. 5th Octr 1869, No. 3214.

Nos. 85-86

Tirukurungudi bridge Pro. Revt
Desp. Sanctioning the revised Estimate of Rs 14100 for the construction of the Tirukurungudi bridge in lieu Limeully Do. and to the Offr concerned.

Copies sent