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MADRAS RECORD OFFICE

Government of Madras

Public works DEPARTMENT

G.O. No.	810	Press
B.P.-No.		Mis.
311-312		
Dated	14-3-	18-13

Not to be folded or roughly handled

5-1

*Proceedings of the Madras Government, Public Works Department,
14th March 1873.*

No. 311. Read the following Endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 19th February 1873, No. 93 :—
From the District Engineer, Kistna, to the Secretary to Government, Public Works Department, dated Camp at Masulipatam, 3rd February 1873, No. 25.

I HAVE the honour to forward herewith comparative statement and revised* estimate and plan for constructing bridge of one arch of fifty feet span across the Ellore canal at Perikeed. The original estimate (plan enclosed) received the approval of Government in G. O. No. 169, dated 19th January 1866.

Amounting to Rupees 14,250.
* { 1 Original Plan. } (Plans by banghy.)
 { 1 Revised do. }
 { 1 Sketch. }
 { 2 Revised Detailed Abstract Estimates. }
 { 1 Specification Report. }
 { 1 Comparative Statement. }

2. The revised plan appears to have been prepared so long ago as June 1871, and to have been finally submitted by the Range Officer on the 4th September 1871, to have been generally approved of by the Superintending Engineer, but retained in order that some trifling proposed alterations should be made in it. On inspection of the work, I found the work had been commenced in accordance with the revised plan, the abutments and wings were raised to springing level, the flooring and retaining walls completed, and great part of the materials for completion of the work were ready. Under these circumstances, although the plan is not exactly as I should have proposed it, I have no alternative but to send it for approval. The only alteration I suggest is narrowing the roadway to seventeen feet by bringing the parapet into the same line as the face wall; the total of estimate with this reduction amounts to Rupees 14,150, and is shown on the plan in red ink.

3. The principal items of increase are—

	RS.	A.	P.
1. Arch-work	376	10	3
2. Cut-stone facing	1,339	4	0
3. Metalling roadway	1,532	12	4
4. Wood-work (railing)	1,832	10	0
5. Earthwork	1,335	6	8

On the first item, it is observed that the original estimate was framed nearly eight years ago, and the increase is, therefore, not unreasonable. The second item is caused by the adoption of cut-stone facing to abutments and wings in lieu of rough stone, a change which I consider advisable in a bridge of this span. The third item is for metalling the road and approaches, the difference in rate is more than is to be expected from the rise in prices during eight years, but I have gone into the subject and find the rate to be not excessive now; it is a question if the metalling should be a charge on Imperial Funds, or if the Local Fund Board who have thought it advisable to metal the road should not bear the cost. The fourth item provides for wooden railings on each side the approaches, and the excess is caused by a considerable extension of the railings, the rate is only half of that allowed in the original estimate, as country wood is substituted for teak, the railing is a decided improvement to the bridge and almost necessary to prevent accidents with such high approaches, but this again may not be considered a legitimate charge on Imperial Funds. The last item is an excess which cannot, I think, be avoided, considering the additional average height given to the approaches and the length of time that has elapsed since the original estimate was framed.

51

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4. Of the minor items of increase, Rupees 180 for pointing is caused by the substitution of cut stone for rough-stone facing, and Rupees 200 by the provision of a towing path on each side on iron brackets to avoid reducing the waterway.

5. A reduction of Rupees 788 is made in the original estimate by the introduction of cut-stone facing, Rupees 349-3-1 by the omission of concrete.

6. With these explanations I beg to recommend the revised estimate for sanction. The work is not actually in progress at the present time on account of the water in the channel, but preparations are being made for its vigorous prosecution, on the canal being closed, and the work having progressed so far before I joined I considered it inadvisable to stop these preparations.

UNDER the circumstances explained by the District Engineer of the Kistna, the revised estimate is forwarded for the favourable consideration and sanction of Government.

(Signed) C. J. SMITH, Captain, R.E.,
For Chief Engineer for Irrigation.

No. 312.

ORDER THEREON, 14th March 1873, No. 810.

CIVIL WORKS, No. 22.

UNDER the explanations afforded, His Excellency the Governor in Council sanctions the revised estimate of Rupees 14,150 for a bridge across the Ellore Canal at Perikeed. The Financial Department will be requested to consider whether the charges indicated should properly be borne by Local Funds. A provision of Rupees 9,000 has been made in the Budget for 1873-74 towards covering the expected excess over the original estimate.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
,, District Engineer, Kistna.
,, Controller of Public Works Accounts.
,, Financial Department.

Exd. E. C. Shunker.

No 93.

Under the circumstances explained by the District Engineer of the Kistna, the revised estimate is forwarded for the favourable consideration and sanction of Government.

Capt. R.E.

For Chief Eng. for Irr.

In The Secretary to Government

P. W. Department

19th February 1873

Robert M. 93-87-
19-24-73

P. W. 1873 Kelpart
From the District Engineer
No 928.
C.S. No 234 Kintia
To the Secretary to
Government D.P. 71.

Date 9th February 1873

Received 12 — do —
" — 18th — do —
No 25

Enclosures 7

Forwards Comparative
Statement and revised
Estimate and plan
for constructing Bridge
across the Ullore Canal
at Perikud, for
sanction.

With an endorsement

P. W. 1873 Depart
No 1185.

From.

The Chief Engineer for
Irigatani.

Oct 19th } Feb 175-
and 21st }

Rec: 7. Wm. 1893.

Submitting
the revised
estimate for the
construction of
a bridge over
the Ellore Canal
at Perikud in the
Mistra District.

Bitte an Order

L. J. -
W. C. L.

Under the explanations afforded the Council the Governor in Council sanctioned the revised estimate of Rs 14,150 for a Bridge across the Ballah Canal at Perical. The Financial Department will be requested to consider whether the charges indicated should properly be borne by Local Funds. A provision of Rs 9,000 has been made in the Budget for 1893/94 towards covering the expected excess over the original estimate.

17/3/93

C/o 1185

Govt. of 1873 Madras

PUBLIC WORKS.

The Chief Engineer for
Irrigation

C. O. 14 Charles 810

No. 3113/2

Bridge across the Ellore
Canal at Perikud.

Revised estimate of
Rs. 14,150 for a bridge
across the Ellore Canal,
Sanctioned with re-
marks.