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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT

G.O. No.	134	Press
		Mis.
Dated	18	

Not to be folded or roughly handled

17

*Proceedings of the Madras Government, Public Works Department,
29th June 1871.*

No. 499. Read the following letter from the Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 9th June 1871, No. 1,041 —

I HAVE the honour, with reference to former correspondence, to bring to the notice of Government the unfinished state of the Cortelliar bridge on the Great Northern Road, some 15 miles from Madras.

1 Abstract Estimate
1 Plan.

G O, No 1,300, dated 28th April 1868
Superintending Engineer's letter to Government,
No 3,769, dated 9th December 1870
Memorandum from the Secretary to Government,
Public Works Department, No 40, dated
10th December 1870
Superintending Engineer's letter to Government,
No 3,935, dated 20th December 1870
G O, No 2,436, dated 8th October 1870

2 The original estimate was for 23 arches of 50 feet span at a cost of Rupees 1,00,790.

3. The abutments, piers, and wing walls are raised to the springing line, and the amount already expended is Rupees 68,077.

4. It will now require Rupees 58,923 to finish the structure agreeably to the revised estimate herewith submitted, and referred to in my letter No 3,935, dated 20th December 1870, and it is for this amount I now ask the Government sanction.

5. The Penanguda backwater bridges I hope to be able to finish this year from funds taken from the annual maintenance, and then the whole length of the Northern Road in my division will be finished.

6. It is very important that the work should be undertaken while Mr. Goodchap is in the district, as he has been there many years and built the portions of the bridge now done, so that he could better than any other person carry it out without exceeding the estimate.

7. Colonel Orr was very anxious that an iron bridge should be placed on the piers, but on referring the matter to the Superintendent of Workshops and asking for an estimate, I find that it would cost Rupees 75,000 without counting cost of carriage out, and the raising of the piers.

No. 499A. *Memorandum by Chief Engineer, Public Works Department*

With the above the Superintending Engineer of the 4th Division submits a revised estimate of Rupees 1,27,000 for constructing a bridge of 23 arches of 50 feet span each across the Cortelliar river, on that portion of the Great Northern Road between Madras and Calcutta which lies in the Chingleput District. The estimate is unaccompanied by a comparative statement and by any explanation as to the causes of increase over the amount of Rupees 1,00,790 already sanctioned for the bridge. It is observed that the level of the highest known flood reaches so nearly to the crown of the arches as they are proposed to be constructed, as to cause serious apprehension that, taking into consideration the extent to which the water-way is blocked by the piers of the bridge, in the event of a similar flood there would not be sufficient water-way. The undersigned is of opinion that the Superintending Engineer should be directed to report whether a greater rise could not be without

Proceedings of the Madras Government, Public Works Department,
29th June 1871.

inconvenience given to the arches, and to submit, at the same time, the particulars of the iron bridge referred to in the last paragraph of his letter, as otherwise it will be deserving of consideration whether this kind of superstructure on piers of greater height would not be far preferable although costing a good deal more.

FORT ST. GEORGE,
17th June 1871.

(Signed) J. CARPENDALE, Colonel, R.E.,
Chief Engineer.

No 500

ORDER THEREON, 29th June 1871, No 1,734.

CIVIL WORKS, No. 25.

G O, No 1,300, dated 28th April 1868
between Madras and Calcutta lying in the 4th Division. This amount included a sum of Rupees 1,00,790 for constructing a bridge across the Cortelliar river for which a revised estimate of Rupees 1,27,000 is now submitted. Before passing final orders on the subject, the Government direct that the papers submitted by the Superintending Engineer of the 4th Division be returned with reference to the Chief Engineer's remarks, and with a request that, when re-submitting them, an estimate for constructing the bridge with piers of greater height and with iron girders should be furnished, together with explanation as to the circumstances and authority under which 23 arches of 50 feet span have been substituted for 27 arches of 40 feet span.

(True Extract)

Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 4th Division, with Plan and Estimate.

Exd. S. T. Augustin

No 1041. Supp. Engrs. Office 15th June 1871.
Madras 9th June 1871.

From

Colonel J. Wilkieson R.E.
Supp. Engineer 4th Division
To Colonel J. Carpendale R.E.
Secretary to Government P.W.D.

Enclosures
1 Abstract estimate
1 Plan.

Sir,

I have the honor with reference to former correspondence to bring to the notice of Government the unfinished state of the Cortelliar bridge on the Great Northern road some 15 miles from Madras.

2 The original estimate was for 23 arches of fifty feet span at a cost of Rupees 1,00,790.

3 The abutments, Piers and wing walls are raised to the springing line, and the amount already expended is Rupees 68,077.

It

4 It will now require Rupees 58,923 to finish the structure agreeably to the revised estimate herewith submitted, and referred to in my letter No. 3935 dated 20 December 1870, and it is for this amount I now ask the Government sanction.

5 The Perunguda backwater bridges I hope to be able to finish this year from funds taken from the annual maintenance, and then the whole length of the Northern road in my Division will be finished.

6 It is very important that the work should be undertaken while Mr. Goodchap is in the district, as he has been there many years, and built the portions of the bridge now done, so that he could better than any other person carry it out without exceeding the estimate.

7. Colonel Orr was very
anxious

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anxious that an iron bridge should be placed on the piers, but on referring the matter to the Superintendent of Workshops and asking for an estimate, I find that it would cost Rupees 75,000 without counting cost of carriage out and the raising of the piers.

I have the honor to be
Sir
Your most obedient servant

W. Wilson Colonel R.E.
Supg Engineer to Div.

1/8

Memorandum by Chief Eng. P. B. S. P.

With the above the Capt. Engin^r of the 4th Reg^t of Art^y submitted a revised estimate of Rs 1,27,000 for constructing a bridge of 23 arches of 50 feet span each across the Fortellur river on that portion of the Great Northern Road between Madras and Palcutta which lies in the jungle part of the district. The estimate is accompanied by a comparative statement between the prescribed form and by any explanation as to the causes of increase over the amount of Rs 1,00,790 already sanctioned for the bridge. This observed that the level of the highest known flood reaches so nearly to the crown of the arches as they are proposed to be constructed, as to cause persons apprehension that taking

I enclose the original estimate for the bridge with a copy of the memo. forwarded to the latter part of the memo. I enclose the original estimate for the bridge with a copy of the memo. forwarded to the latter part of the memo.

Dec 28th 1871
 8th Dec 1871
 10 Dec 1871
 6 Jan 1872

Public Works 1871 Report

From 28-2-1872

The Deputy Engineer to the

to the Secretary to Govt

Dec 10th 1871

Dec 2nd 1871

Submitting a revised estimate and by Rs 58,923 for joining the Corbettan bridge on the Great Northern Road some 45 miles from Madras and requesting sanction thereon -
 Rs 17,34-29-11

into consideration the extent to which
the water-way is blocked by the
piers of the bridge, in the event of a
similar flood, there would not be
a sufficient water-way. The under-
-standed is of opinion that the Chief
Eng^r. should be directed to report
whether a greater rise could not
be without inconvenience given
to the arches - and to indicate at
the same time the particulars
of the iron bridge referred to in
the last para of this -
letter, as otherwise it will be con-
- vining of consideration whether
this kind of superstructure
on piers of granite is
would not be far preferable
although costing a good deal
more.

W. G. M. Dale
Fort St. George
17th June 1871
Chief Eng^r -

No 1734
Proceedings of the Madras Government
Under date the 29th July 1871
Read the following

From the Chief Eng^r 18th June 1871

In April 1858 a
G.O. No. 1300 of 25th April 68
tion was recorded to an
estimate of Rs 2,31,482 for
completion of a rapid
wheel traffic the
portion of the Great
Northern Road between
Madras and Calcutta
lying in the 4th Div. This
amount included a
sum of Rs 1,00,790 for
constructing a bridge
across the Coovellar river

for which a revised
estimate of Rs 1,27,000
is now submitted. Before
passing final orders
on the subject, the Govt.
directs that the papers
submitted by the Engrs.
of the 4th Div. be
returned with reference

to the Chief Engrs. &

- marks, an ~~explanation~~

~~should at the same~~

~~time be afforded~~

~~under what circum-~~

- stances and authority
under which

23 arches of 50 feet

span have been

substituted for

with a request
that, when resubmitting
them, an estimate for con-
- structing the bridge
with piers of greater
height and with iron
girders should be
furnished, together
with explanation as
to the

G. O. No 648 of 27 Feb/68 27 arches of 40 feet
span.

15 June

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2

To the Supt Engr 4th Div
with plan & estimate

Recd 3/7/71

7/1/71
Govt of 1871 Madras.

PUBLIC WORKS.

To

Date

Recd

6 29 June 71, No 1734.

Nos. 499 & 500