

(1) Number of pages 8(2) Date of repair 8-3-43

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No. 3792	Press
619-620	~~Mis.~~
Dated 29-11-	1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
29th November 1866.

No. 619. Read the following letter from the Acting Superintending Engineer, 2nd Division, to the Secretary to Government, Department Public Works, dated Camp, Tettoo, 14th November 1866, No. 58:—

- 1 Detail Estimate.
1 Abstract do.
1 Do. for centering.
1 Data Statement.
1 Specification Report.
1 Plan of bridge.
1 Survey.
1 Section of levels.
1 Do. of centering.

for sanction, an estimate for constructing a bridge across the Calinganuddy, at the forty-ninth mile of Trunk Road No. 6, in the Nellore District, prepared by Mr. N. Smith, Executive Engineer.
2. The original work, which the proposed bridge will re-place, was built by the Road Department prior to 1855, and was destroyed by the flood of November 1859. It consisted of seven arches of thirty-six feet span, affording a waterway to the flood of 1859 of about 3,400 square feet, the river having risen to at least three feet six inches above the crowns of the arches on the upper side. The bridge, it is believed, fell from insufficiency of apron, the defect being greatly aggravated by the inadequacy of the waterway in such a flood.
3. An estimate was sanctioned in G. O. No. 1,182, dated 26th June 1861, for a causeway to re-place this fallen bridge and other works for the restoration of the same line of road, but as explained in Lieutenant-Colonel Anderson's letter, No. 82, dated 6th April 1864, submitting for sanction an estimate for completing the eighty-eighth mile of the same road, this estimate required revision, and that Officer further gave it as his opinion that bridges were preferable to road dams for crossing such well defined streams.
4. With the exception of the river Soornamooke, the Calinganuddy is now the only unbridged stream on this line of road in the Nellore District, south of Nellore.
5. The catchment basin of the Calinganuddy lies in a hilly country, where absorption and storage would be small, and rain-fall be rapidly passed off.
6. The design now submitted provides nine arches of thirty feet span, and a waterway of about 5,550 square feet, with flood level at that of the arch crowns which would suffice to pass off a fall of six inches of rain over the entire catchment basin (estimated at 170 square miles) in twenty-four hours, with a velocity of about 4.8 feet per second.
7. The site chosen for the new work is a little below that of the old bridge; it allows, as far as possible, of the existing road being utilized, and provides a tolerably straight reach above and below bridge.
8. Funds have been provided to the extent of Rupees 10,000 in the Budget of 1867-68.

No. 620. ORDER THEREON, 29th November 1866, No. 3,792.

CIVIL WORKS, No. 128. As improvements of a more important and pressing character than the proposed bridge across the Calinganuddy on Trunk Road No. 6 in the Nellore District are held in abeyance for

greatly aggravated by the inadequacy of the

Proceedings of the Madras Government, Public Works Department,
29th November 1866.

want of funds, the Superintending Engineer will bring the work forward at a more favorable opportunity.

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 2nd Division, with nine Enclosures.

Exd. S. T. Augustin.

1058

Superintending Engineer
Camp Settoon
14th November 1866.

From
To
Captain C. J. Smith R.E.
Acting Superintending Engineer
Colonel C. A. Orr R.E.
Secretary to Government.
D.P.C.

Sir I have the honor to forward

- 1 Detail Estimate
- 1 Abstract do
- 1 " for Contracting
- 1 Data Statement
- 1 Specification Report
- 1 Plan of Bridge
- 1 Survey
- 1 Section of Canal
- 1 do of Contracting

for sanction an Estimate for Constructing
a Bridge across the Calingandy at
the 49th mile of Trunk Road No 6 in the
Nellore District - prepared by Mr. H. Smith Esq. Engineer

2 The original work, which the pro-
posed Bridge will replace, was
built by the Road Department prior
to 1855, and was destroyed by the flood
of November 1859. It consisted of 7
arches of 36 feet span affording
a waterway to the flood of 1859 of about
3400 square feet: the river having
risen to at least 3' 6" above the crowns
of the arches on the upper side - The
Bridge it is believed fell from in-
sufficiency of span the defect being
greatly aggravated by the inadequacy of
the

the waterway in such a flood.

3 An Estimate was sanctioned in
G.O. No 1182 dated 26th June 1861 for a
Canseway to replace this fallen bridge
and other works for the restoration of
the same line of Road, but as explained
in Mr. Col. Anderson's letter No 82 dated
6th April 1864 submitting for sanction
an Estimate for completing the 88th mile
of the same Road, this Estimate required
revision and that Officer further gave
it as his opinion that bridges were
preferable to road dams for crossing
such well defined streams.

4. With the exception of the Prin. or Joori
- mamoothee, the Calinganuddy is now
the only unbridged stream on this line of
Road in the Stellone District - South of Bellone.

5 The Catchment basin of the
Calinganuddy lies in a hilly Country,
where absorption and storage would
be small, and rain fall the rapidly
passed off.

6 The design now submitted provides
9 arches of 30 feet span and a water
way of about 5550 square feet with
flood

51
flood level at that of the arch Crown
which would suffice to pass off
a fall of 6 inches of rain over the entire
Catchment basin / Estimated at 170 square
miles / in 24 hours, with a velocity of
about 4.8 feet per second.

7 The site chosen for the new works
is a little below that of the old bridge,
it allows as far as possible of the
existing road being utilized and
provides a tolerably straight reach
above and below bridge -

8 Funds have been provided to the
extent of Rs 10,000 in the Budget of 1867-68.

I have the honor to be
Sir

Yrs. most Obedt Serv^t

Attest
Ag. Sup^r Engineerd D^r
Capt. H. B.

MR

21/11/1866

21/11/1866

for construction a bridge
across the Cullingamuddy
at the 19th mile of
Trunk Road No 6
in the Chittoor Dist.

Sanction an Estimate
for the same for
the year 1867

to the Secretary to Govt
of Madras

11/11/1866

Public Works Department.

21,3792

PROCEEDINGS of the MADRAS GOVERNMENT
Under date the 29th Novr 1866.
Read the following

From The Deputy Engineer of the
2nd Division

(Here enter No. 58 dated 14th November 1866)

To improvements of a
more important and proper
character than the proposed
bridge across the Cullingamuddy
on Trunk Road No 6 in the
Kilow District are held in
abeyance for want of funds.
The Deputy Engineer will bring
the work forward at a more
favorable opportunity.

Wm

The 28th Nov 1866
Despatch
11/11/1866
2
1
4
1

P. W. 186 *D.* Department.

Rep. of Govt for November
No. 3492

PROCEEDINGS OF GOVERNMENT. *of Madras*

Dated *29 November 1865*

The S & of the 2nd *Div* requested
to submit at some other time the estimate
for the bridge across the Calingamuddy
in Trunk Road at 6 in the hollow *Div*

Feb 19. 620

21 Feb 1866 @ 265