

- (1) பக்கங்களின் எண்ணிக்கை 14
 (2) புதுக்கித் திருப்பிய நாள் 10.9.0
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 100

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

(43)

P.W.D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	<u>2377</u>	அச்சகம் பலவகை
நாள் :	<u>5 - 9 - 1891</u>	198.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

7 Sheets

2377
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Lieut.-Colonel R. R. E. DRAKE-BROCKMAN, R E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated 14th August 1891, No. 411 W.

I have the honour to forward, for sanction of Government, plans and estimate, amounting to Rs. 5,100, for constructing a rolled iron girder bridge of 1 span 25 feet over the Mullahulla stream, in the 62nd mile of road No. 2, connecting the Manzarabad ghât with Mani *via* Seeradi and Uppinangadi, in the Uppinangadi taluk, South Canara district

2. The District Board has provided the necessary funds for the bridge, and I therefore request that you will be good enough to obtain early sanction to the estimate to admit of the allotment being worked out before the close of the official year.

ORDER—dated 5th September 1891, No. 2377 W., Public Works.

The estimate, amounting to Rs. 5,100, for constructing a rolled iron girder bridge over the Mullahulla stream, in the 62nd mile of road No. 2, connecting the Manzarabad ghât with Mani, in the Uppinangadi taluk, South Canara district, is sanctioned.

2. This sanction has been registered as Local No. 16 W. of 1891-92.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
,, Local and Municipal Department, with five enclosures.

Exd. J. F. Henricos.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated September, 5th.

Recd.

Encl.

G.O., 5th Sept. 1891, No. 2377 W.

SEPTEMBER.

Bridge

Estimate for a rolled iron girder — over the Mullahulla stream, in the 62nd mile of road No. 2, connecting the Manzarabad ghât with Mani, South Canara district, sanctioned.

No. 411
W

2377
Supg. Engineers' Office, W Circle,
14th August 1891.

From

Col. R. D. E. Drake Brockman R.E.,
Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Enclosures 4

- 1 Plan.
- 1 Estimate
- 1 Report
- 1 Index map
- 4

Sir,

I have the honor to forward for sanction of Government Plans & estimate amounting to Rs. 5700 for constructing a rolled iron girder bridge of 1 span 25 feet over the Mullahulla stream in the 62nd mile of road No. 2 connecting the Manzarabad ghât with Mani via Seceradi and Uppinangadi in the in the Uppinangadi Taluk South Canara Dist.

2. The District Board has provided the necessary funds for the bridge and I therefore request that you will be good enough to obtain early sanction to the estimate to admit of the allotment being worked

worked out before the close of the official
year.

I have the honor to be,
Sir,
Your most obedient servant,

Wm. B. Richmond,
1st Lt. Colonel U.S.A.,
Superintendent, Puget Sound Circle.

2372
3

From
The Subj. Engr
4 Circle

Dated 14. } August 191
Sept 15 }

411
W

Encls 45 (plans and
estimates)

Mullahalla Bridge in the
Road at 2 connecting the
Mangarabad ghaut with the
Main

Forwards for sanction
of gaut. plans & estimates
amounting to Rs 5100/- for

25.9.91

2377
4

Public Works Department, 188 - 3

Current No. 8-31

Letter No. 411 W

Dated the 14. August 189

From the Subj. Engineer IV Circle

Sanction 0043

NOTE OF REMARKS.

Constructing a Rotted iron girder
bridge of one span over the
Mullahalla stream at the 62nd
mile of W. 2 road in Upper
Angady Dalup. South Canara Dist.
Amount of Estimate Rs 5100

The above bridge is proposed
to be built at the 62nd mile
of W. 2 road connecting the
Mangarabad ghaut with
Main over the Mullahalla
stream and it is to take the
place of the existing wooden
platform bridge which is
stated to be in a partially
collapsed state. The timber
bridge is of 25 feet span, rest-
ing on stone abutments set
in mud and pointed with
lime. It was last repaired
in 82-3 at a cost of Rs 1083
and is now in a state of
Collapse

Fr

Chaper, it is therefore ~~proposed~~
 proposed to dismantle the same
 and erect a rolled iron girder
 bridge in its place of the same
 span, viz 25 feet with ~~abutments~~
 of masonry abutments. The
 girder bridge is designed to
 carry a 14 feet roadway on
 4 rolled iron girders laid
 parallel to each other 4' 10" apart
 from centre to centre. The cen-
 tre & side girders to be of the
 section 14" x 6" and 10" x 6" res-
 pectively carrying flooring
 plates and the roadway.

The stream is stated to be
 a mountain torrent discharging
 into the Kumpole river and
 the waterway of 25 feet is
 considered ample to discharge
 the drainage of 1 square mile
 as noted in the report. No
 levels are furnished showing
 the bed fall of the stream to-
 gether with its ordinary &
 maximum flood levels.

The foundations are to be
 of gravel concrete in ^{masonry} ~~masonry~~
 laid to a depth of 4 feet
 when it is anticipated
 solid clay will be met.

X Concrete 1 foot
 stone is ~~not~~ ^{not} 3 feet
4

2327
5

The abutments and wings
 to be of coursed rubble
 set in lime and the face
 joints pointed with cement.
 The iron girders to be of rolled
 iron & painted. The road-
 way to be of stone metal
 laid to a depth of 4 inches.

The rates as far as can
 be checked from the schedule
 of rates for the Mangalore
 Sub-division of the West
 Coast Division are fair; an
 item of 5 p.c. has been
 provided for erection &
 Superintendence charges
 viz Rs 208.

No provision has been
 made in the estimate for
 passing the traffic during
 the reconstruction of the bridge
 also for blinding the road-
 way over the metal such as
 gravel &c.

A deduction may be
 made in the estimate for
 materials from the existing
 abutments &c. as the ~~old~~
 abutments are of stone in
 mass. This saving may
 be

be utilized for the temporary
bridge.

The plan estimate has
been countersigned by the
President, District Board
and the Super Engineer
IV Circle.

~~No.~~
18. VIII. 91.

No. 2377 W 45 Sept 1891
PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2322/6

Read the following

From the S. E. ^{Quarter} IV Circle No 411 W, d 14. VIII. 91.
2

the estimate
amounting to Rs 5,100
for constructing a rolled
iron girder bridge over
the Mullahulla stream
in the 62nd mile of road
No 2 connecting the
Mangarabad Ghaut
with Mani, in the
Uppinangadi taluk,
South Canara District,
is sanctioned.

This sanction
2. has been registered
as Local No 16 W of
1891-92.

S. E. IV Circle ✓
Local No 16 W of
with 5 enclos.
18/9

2013
27.8.91

2015 4/1/91

in
May

4/12

2377
9

3

3

12/11
7-11-91

The H. J. ...
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26/18

Cholera ...
...
...

8731

1890.

Public Works Department.

No. 2377⁴

Dated 5 Sep/91

Despatched

Received

SUBJECT.

Bridge

Get for a rolled iron
bridge — over the
Mullabull a stream
in the 62^d mile of
road No 2 connecting
the Mangarabod fort
with Mami, South
Kauora D., sanctioned.

60
14

28/9-

6/9
74

⑨