

- (1) பக்கங்களின் எண்ணிக்கை 14.
 (2) புதுக்கித் திருப்பிய நாள் 5/92
 (3) ஆதாரப் குறிப்பவர் சுருக்கொப்பம் 3

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

திரு. என். தி. என். தி. என்.

அரமணை எண்.
 மு. கோப்புத் தாள் எண். 3561

அச்சகம்
 பலவகை

தமிழ்நாடு

நாள் : 28-12-1992

199

மடிக்கலோ சுண்டபடி கையாளலோ கூடாது.



ஆவண. கா. 1-18,006-6-9-90.

Current No. 12,091

Letter No. 2168 K.S.

Dated 1st December 1892

From the Super. Engineer to Civils.

TECHNICAL NOTE.

Completing the bridge across the
Vupper Vagu in the Kistna Dist.
Amount of estimate Rs 11,500

This estimate provides for complet-
ing the bridge across the Vupper
Vagu at the 23rd mile of the Great
Northern road.

An estimate amounting to Rs
4,21,850 is stated to have been
sanctioned in G.O. No. 1503 & 705
of 8th May, 1889 & 18th April 1876 re-
spectively for improving the Great
Northern road.

The amount of the present es-
timate is made up as follows:-

Amount of original sanction	Rs 4,21,850
Expenditure to and of July 92	Rs 381,978
Amount for completing the bridge across the Vagu —	Rs 11,500
	Rs 3,93,472

Total saving on original sanction Rs 28,372

The work of improving this road
was handed over to the Local Fund
Dept in 1880 since then proper
accounts have not been maintained

hence it is proposed to show the original estimate & for which the accompanying completion estimate is submitted for work still remaining to be done in improving the road.

The original design for the construction of a bridge over the Rupper Vagu provided for a bridge of 3 spans of 30 feet each, arched over with semi elliptical arches to carry a roadway of $18\frac{1}{2}$ feet.

The work was undertaken as per original design some 6 years ago & brought up to the level of the springing line & then stopped. It is now proposed to alter the original design by adopting an iron girder bridge to carry a roadway of 13 feet & the necessity for this deviation is stated to be due to the want of good bricks for the construction of the arches.

The design now proposed is to reduce the length of the piers & abutments including cutwaters from 30'2" to 25'2" as per plan, to raise the existing piers & abutments $7\frac{1}{2}$ feet higher & to span the vents with 4 rolled iron girders placed 4'8" apart parallel to each other. The section of the 2 center girders are to be $16" \times 8"$

weighing 80 lbs per foot run. including, these girders are to rest on cut stone bed plates 9" thick & to have a bearing of $2\frac{1}{2}$ feet on each pier & abutment. over the girders heavy's patent arched flooring plates are to be laid & the roadway formed with 6" of stone metal covered with 2" of gravel.

The clear width of the roadway is to be 13 feet between the wheel guards & $14\frac{1}{2}$ feet between hand rails. The bottom of the girders are to be 12'6" above firm level & 5 feet above H.W. & the approaches formed with an easy gradient of 1 in 20.

The piers & abutments are to be built with rough stone in chunam & their faces finished with chunam. The blocking course & parapets are to be built with brick in chunam & plastered with 2 coats of chunam.

The ratios are fair.

In the plan the angle iron are shown to have a section of $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16}$ but the estimate provides for $3 \times 3 \times \frac{3}{8}$.

The estimate has been counter signed by the President & co.

Sanctioned in W.D. 12 months period.
:ings dated 12th November 1892

Ths.
17.XI.92

Not found in Chula Ponds
= 11 1/4 tons -
The estimate proposed 16" x 8"
can carry a safe
distribution load of just
13 tons. This estimate was
90 - 16" x 6" for
outer ponds with 4
subpumps -

Sanctioned

OK
19.12.92

No 3561 D. 2/28 December 1892

PUBLIC WORKS DEPARTMENT.

B. K. J. Waters

PROCEEDINGS OF THE MADRAS GOVERNMENT.

3561

READ the following

From the S. E. II Circle No. 2168K. S. d. 11 Dec 1892

or The estimate, amounting
to Rs. 11,500, for completing
the bridge across Appavaga
in the 232 mile of the Great
Northern Road, in the Madras
District, is sanctioned.

Res 2. This sanction has been
17 Dec registered as local No. 30 W
of 1892-93.

Note It is proposed
to Communicate the
Go. to the 'Editor's Table'.

20

The S. E. II Circle ✓
.. Exar. P.W. Accts.
.. Local and Mump. Deph.
with 5 Cnals ✓
.. Editor's Table

OK
21.12.92
24 Dec

R.S.

~~44-111-95~~

~~24/1~~

No 15034/8-5-69
- 705-18-4-76 Feb.

From,
The Superintending Engineer,
H Circle.
To,
The Chief Engineer
P. W. Dept
Madras.

Dated 1st Decr. 1892
Received 5-12-92

Enclosures. 3
No. 2168.Ko.

SUBJECT.

Bridge across Appurage
in the 23rd mile of the Great
North-m road - I now do
for approval & sanction
of Govt. an estimate amounting
to Rs 11,500 for completing the

The Honble / the Chief Secy
Local and Public Works
for favor of consideration

No. 2168 Ko

II CIRCLE, Bezwada,
Dated 1st December 1892.
Recd 2nd do.

From,

J. W. Martin Esquire, ³²⁶¹
Superintending Engineer,
II Circle.

To,

The Chief Engineer,
Public Works Department.

Enclosures. 3

1 Estimate with
specifications

1 Plan (3-sing)

1 Copy of
Board's resolution

Sir,

I have the honor to Sub. it here-
with for your approval and the sanction
of Government an estimate amounting to
Rs 11,500 for completing the Bridge across
Uppuravagu in the 232nd mile of the great
Northern road in the Kistna District. The
Report accompanying gives all particulars
regarding the completion of the above work.
2. Copy of the Proceeding of the District
Board Kistna dated 12th November/92 is here-
with forwarded for your information.
3. The rates are fair and the estimate is

recommended

recommended for sanction.

I have the honor to be,

Sir,

Your most obedient servant,

W. Martin
Superintending Engineer,
2nd Circle.

28TH DECEMBER 1892, No. 3561 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From J. W. MARTIN, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezvada, 1st December 1892, No. 2168 K.S.

I have the honour to submit, herewith, for your approval and the sanction of Government, an estimate, amounting to Rs. 11,500, for completing the bridge across Uppuvagu in the 232nd mile of the great northern road in the Kistna district. The report accompanying gives all particulars regarding the completion of the above work.

2. Copy of the Proceedings of the District Board, Kistna, dated 12th November 1892, is herewith forwarded for your information.
3. The rates are fair and the estimate is recommended for sanction.

ORDER—dated 28th December 1892, No. 3561 W., Public Works.

The estimate, amounting to Rs. 11,500, for completing the bridge across Uppuvagu in the 232nd mile of the great northern road in the Kistna district, is sanctioned.

2. This sanction has been registered as Local No. 30 W. of 1892-93.

(True Extract.)

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

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Local and Municipal Department, with five enclosures.
Editors' Table.

Exd. A. D. Xavier,
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of Madras.
PUBLIC WORKS.

3861
7

Dated December, 28th.

Recd.

Encl.

G.O., 28th Dec. 1892, No. 3561 W.

DECEMBER.

Bridge

Estimate of Rs. 11,500 for completing the
— across Uppuvagu in the 232nd mile of
the great northern road, Kistna district,
sanctioned.

Dec. 28th December 1892 No. 3561 W

Bridge