

- (1) பக்கங்களின் எண்ணிக்கை 16
 (2) புதுக்கித் திருப்பிய நாள் பிப்ரவரி
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் lay

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பெருத்தெரு துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	829	அச்சகம் பலவகை
நாள் : 13. 15 - 3 - 1890		198.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

சூலி

13TH MARCH 1890, No. 829 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Mangalore, 2nd March 1890, No. 79 E.W.

I have the honor to forward, for sanction, an emergent estimate, amounting to Rs. 2,835, for building a rough stone revetment to the left approach of the Sholadi bridge on the Vayitri-Gúdalúr road, in view to protect the road from landslip.

2. The landslip that occurred in October last cut off all communications between the bridge and left approach. To protect the road from such accidents an estimate, amounting to Rs. 8,146, was submitted by the Executive Engineer, Nilgiris. I consider such a heavy expenditure is not absolutely necessary.

3. The report accompanying the estimate under reference explains the necessity for the work, which has been prepared on the lines suggested by me on my inspection of the site last month.

4. Unless this protective work is completed before the ensuing monsoon, it is feared that landslips will again cause the destruction of the road and this will cut off communications as the old road and bridge are practically impassable.

5. In these circumstances I have authorized the Executive Engineer to commence the collection of materials pending the sanction of Government to the estimate.

ORDER—dated 13th March 1890, No. 829 W., Public Works.

The estimate, amounting to Rs. 2,835, for constructing a rough stone revetment to the left approach of the Sholadi bridge on the Vayitri-Gúdalúr road, is sanctioned.

2. This sanction has been registered as Provincial No. 126 W. of 1889-90, and classified as Communications, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with five enclosures.
„ Examiner, Public Works Accounts.

Exd J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.
PUBLIC WORKS.

Dated March, 13th.

Recd.

Encl.

G.O., 13th Mar. 1890, No. 829 W.

MARCH.

Sholadi Bridge on the Vayitri-
Gudalur Road

Estimate of Rs. 2,835 for constructing a
rough stone revetment to the left approach
of the —, sanctioned.

829
2
19TH JANUARY 1885, No. 155 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 5th December 1884, No. 541 E.W.:—

With reference to paragraph 6 of my letter, No. 448, of 29th September 1884, I have the honor to forward, herewith, the revised estimates promised for the Engapoya and Vangari iron girder bridges in the 24th and 28th miles of the Calicut-Vayitri road.

2. The original estimate prepared by Mr. Nordmann for the Engapoya bridge provided two vents of 43 feet at a cost of Rs. 17,066. Mr. Todd's revised estimate for the same bridge provides, as I suggested, two spans of 40 feet, and the estimate comes to Rs. 14,920 only.

3. For the Vangari river Mr. Nordmann submitted an estimate for one span of 60 feet at a cost of Rs. 10,068; Mr. Todd's revised estimate for one span of 56 feet comes to Rs. 10,050.

4. By substituting Mr. Todd's revised estimates in the general estimate, the three principal streams to be bridged will be provided with lattice girders of somewhat similar type, which I think will be an improvement. The girders of 56 feet span are exactly similar to those of the Kalpathi bridge, which has stood well for many years, and is now in good order.

ENCLOSURE.

From A. B. TODD, Esq., Assistant Engineer, on special duty, Wynand, to the Superintending Engineer, IV Circle, dated Vayitri, 14th November 1884.

In continuation of this office No. 357, of the 9th instant, I have the honor to forward plans and estimates, Rs. 14,920 and Rs. 10,050 respectively, for two iron girder bridges over the Engapoya and Vangari rivers, Calicut-Vayitri road, in place of the two already submitted.

2. The design for the Engapoya bridge is exactly similar to the one already submitted, but with modifications for a 40 feet span in place of a 43 feet span.

3. The design for the Vangari bridge is similar to that of the Kalpathi bridge, as instructed by you.

4. I regret that the coloring of the drawings is not so good as it should be, but, notwithstanding all precautions, the drawing paper deteriorates in the Wynand climate. I have, in fact, been obliged to trace two of the plans, as the originals were so spotted with mould.

5. The descriptions and specifications of these two bridges were given in the general specification accompanying the estimate for the improvements to the Calicut-Vayitri road.

ORDER—dated 19th January 1885, No. 155 W., Public Works.

The revised estimates, amounting to Rs. 24,970, for constructing iron girder bridges over the Engapoya and Vangari rivers, on the Calicut-Vayitri road, are sanctioned, in supersession of the estimates aggregating Rs. 27,134 for the same items in

the general estimate referred to in G.O., No. 3043 W., dated 12th December 1884. The total sanction for improvements to the Calicut-Vayitri road will now stand at Rs. 2,78,544.

2. This sanction has been registered as Provincial No. 231 W. of 1884-85, and classified as Communications, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with six enclosures.
" Examiner, Public Works Accounts, with two abstract estimates.
" Financial Department.
" Honorary Secretary, Wynad Planters' Association.

Edw. A. Grabert.
Spare Copies

829
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BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1885) Madras.

PUBLIC WORKS.

Dated January, 19th.

Recd.

Encl.

G.O., 19th Jan. 1885, No. 155 W.

JANUARY.

Iron Girder Bridges

Revised estimate for constructing — over
the Engapoya and Vangari rivers, on the
Calicut-Vayitri road, sanctioned.

No 79
E. W.

829

Supg. Engineer's Office, 4th Circle,
Camp Mangalore 2nd March 1890.

From

Major D. Mac Neil Campbell R.E.,
Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

Enclosures 4

1 Estimate with
abstract ^{abstract}
1 Abstract estimate
1 Report
1 Specification

I have the honor to forward for
sanction an emergent estimate amounting
to Rs 2835 for building a rough stone revet-
ment to the left approach of the Sholadi
bridge on the Vayitri Gudalur road, in view
to protect the road from land slip.

2. The land slip that occurred in
October last cut off all communications
between the bridge and left approach.
To protect the road from such accidents
an estimate amounting to Rs 8146 was sub-
mitted by the Executive Engineer Nilgiris.
I consider such a heavy expenditure is

not

is not absolutely necessary.

3. The report accompanying the estimate under reference explains the necessity for the work, which has been prepared on the lines suggested by me on my inspection of the site last month.

4. Unless this protective work is completed before the ensuing monsoon, it is feared that land-slips will again cause the destruction of the road and this will cut off communications as the old road and bridge are practically impassable.

5. In these circumstances I have authorized the Executive Engineer to commence the collection of materials pending the sanction of Government to the estimate.

I have the honor to be,
Sir,

Your most obedient servant,

J. W. Causwell Esq. B.A.,
Superintending Engineer, Circle

829

5A

P.W. Code 2335

From
The Supg. Engr.
4th Circle

No. 29173 of 18-9-88

Dated 2nd } March 1890
Desp'd 6th }

Rd 7-3-90

No. 79
E.W.

Circle 4

Sholadi Bridge

Forwarding for sanc-
tion an emergent esti-
mate amounting to
Rs. 2835 for building a
rough stone river line
to the left approach of
the — on the Vayitri
Gudalur Road

Engr 100
1/2000

11-3-90 R 13-3-90

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6

11-3-90

Public Works Department.

Current No. 2335

Letter No. 79 E.W.

Dated 2nd March 1890

From the Supg. Engr. 4th Circle

Sanction 1003
8-3-90
NOTE OF REMARKS.

The estimate under
series amounting
to Rs. 2,835 provided
for building a
rough stone river line
to the left approach
of the Sholadi Bridge
on the Vayitri Gudalur
road —

It is explained
that the river bank
is inclined to protect
the road from landslides.

The estimate is to
be laid in steps with
1 foot rise + 6" crest

The rate for stone work
is fair.

Contingencies
+ 7% supervision
are provided for
at 302% respectively

Chief
7.3.90

829
5

13th March 1890
No 829 W d/13 March 1890

PUBLIC WORKS DEPARTMENT.

829
5

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the S. E. IV Circle: no 79 W d/2 March 1890

210
The estimate amounting to Rs 2,835 for constructing a rough stone abutment to the left approach of the Sholadi bridge on the Vayitai Guda road, is sanctioned.

2. This sanction has been registered as Provincial No 126 W of 1889-90, and classified as Communications, Original W. O. R.

21/3

The S. E. IV Circle with 5 enclosures. 21/3
and P. W. Dept.

10003

10.3.90

Ans

11.7.90

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Soon
✓ *Curt*
13-3-90
✓ *Bray*

2835

11-1208

Govt. of Madras

PUBLIC WORKS.

14/3

Date

Recd.

Entl.

a.d. 13th March 1890 No. 8294.

Sholadi Bridge
on the Vijayagiri
Road.

Estimate of Rs 2835-
for constructing a
rough stone perpendicular
to the high approach
of the — sanctioned.

90
3

22/5/90
P. 14/3-