(1) பக்கங்களின் எண்ணிக்கை 16

(2) புதுக்கித் திருப்பிய நாள் மார்ச் 1991

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	84/W	அச்சகம் பலவகை
நாள் :	28-3-1893	~~198~~ .

B2

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண, கா-1—18,006—15-6-87.

1/9c1

28TH MARCH 1893, No. 841 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From J. C. LARMINIE, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Káveripák, 16th February 1893, No. 62 W.

With reference to the notes of your inspection of November 1892 and mine, dated 19th January 1893, I have the honour to submit, for your approval, revised plans and estimate, amounting to Rs. 9,000, for constructing the Sipathi bridge on the Vayitri-Gúdalúr road, resulting in a saving of Rs. 1,363 on the original estimate.

2. The original estimate provided Rs. 8,976 for iron-work, while the actual payment for the same is only Rs. 5,870 and the girders are at site.

3. You will observe that most of the foundations of the abutments of this bridge will be on rock, the necessary blasting of which and benching has been allowed in the revised estimate.

4. The overseer in charge of the work has been supplied on the 4th instant with copies of the plans.

Note by the Chief Engineer, Public Works Department.

Assuming the angle of repose to be 40° and the weight of earth and masonry to be 100 lb. and 140 lb., respectively, per cubic foot, the mean thickness of the wing wall shown in section on *AB* (which it is supposed will be founded on rock) works out to 4·9′, or. say, 5′; but, as this wall will receive considerable support from the revetted slopes, the section proposed may be adopted, care being, however, taken that the earth slopes are carefully made up and proceeded with in advance of the filling between the wings.

2. The granite bed plates should be one foot thick.

(Signed) G. T. WALCH,
Ag. Chief Engineer, P.W.D.

22nd March 1893.

ORDER—dated 28th March 1893, No. 841 W., Public Works.

The revised estimate, amounting to Rs. 9,000, for constructing the Sipathi bridge, is sanctioned in supersession of the provision of Rs. 10,363 made for the work in the general scheme for improvements to the Vayitri-Gúdalúr road, for which a revised estimate of Rs. 6,60,700 was sanctioned in G.O., No. 1722 W., dated 26th June 1891. The total estimated cost of the road will now be reduced to Rs. 6,59,337.

2. Attention is called to the note by the Chief Engineer, Public Works Department.

3. This sanction has been registered as Provincial No. 131 W. of 1892–93 and classified as Communications, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle,
with five enclosures.
,, Examiner, Public Works Accounts.
Editors' Table.

Exd. A. D. Xavier.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.
PUBLIC WORKS.

Dated March, 28th.

Recd. *Encl.*

G.O., 28th Mar. 1893, No. 841 W.

MARCH.

Sipathi Bridge

Revised estimate of Rs. 9,000 for constructing the — on the Vayitri-Gúdalúr road, sanctioned with remarks.

Note by S.E.

2/828

Assuming the angle of repose to be 40° & the weight of earth & masonry to be 100 lbs and 140 lbs respectively per cft the mean thickness of the wing wall shown in section on A.B. works out to 4'9" or say 5'. But as this wall will receive considerable support from the revetted slopes, the section proposed may be adopted, care being however taken that the earth slopes are carefully made up, and proceed in advance of the filling between the wings —

The granite bed plates should be 1 foot thick

17.3.93

Public Works Department.

48 feet span clear between the
abutmen

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.
PUBLIC WORKS.

Dated March, 28th.

Recd. *Encl.*

G.O., 28th Mar. 1893, No. 841 W.

MARCH.

Sipathi Bridge

Revised estimate of Rs. 9,000 for constructing the — on the Vayitri-Gúdalúr road, sanctioned with remarks.

8/841

Public Works Department.

841 W

Current No. 16 a
Letter No. 62 W
Dated 16th February 1893
From the Supdg. Engineer IV Circle.

TECHNICAL NOTE

17-3-93

B 17/3

Name of work Revised estimate for constructg. Seepathi bridge. Vayitri-Gudalur road

Amount of Estimate Rs 9000

The estimate under review has been framed with reference to W's notes of inspection on the Vayitri Gudalur road, communicated to the Supdg. Engineer IV Circle with G.O. W. 3485 W dated 20th Decr. 1892.

The original estimate for the work provided for fixing new wrought iron girders of 50 feet clear span on the masonry abutments of the existing wooden bridge. But as the girders received from England are found to be too short to suit the existing abutments hence it is proposed to construct an entirely new bridge on the up stream of the existing wooden platform bridge.

The new structure will be of 48 feet span clear between the abutments.

abutments so as to suit the new girders. the girders will have a bearing of 1 foot on each abut:ment & the roadway will be carried by 3 girders (section of girders not mentioned). The abutments will be built on rock of rough stone in chunam & the faces pointed with surki mor:tar with rustic work in string course & caps as per plan.

Bearing of 1 foot is hardly enough

The original estimate amount:ed to Rs 10,363 against Rs 9000 as per revised estimate ~~with~~ shewing a saving of Rs 1363 or 13·15% less. this saving is due chiefly to the cost of the girders being cheaper thus:-

Saving on girders including fixing to complete	Rs 3097
-do- temporary bridge	" 200
-do- contingent work	" 63
-do- Petty supervision	" 346
Total Rs	3706
Deduct value of new abut:ments & wings & revet:ment	2,343
Total Saving Rs	1363

The rates so far as can be checked are fair.

16. Feb. 93

P-1

No. 62/W

Supg. Engineer's office, 4th Circle,
Camp, Kaveripak, 16th February 1893.

From,
J. C. Larminie, Esq.,
Supg. Engineer, 4th Circle,

To,
The Chief Engineer,
P. W. Department.

Sir,

With reference to the Notes of your Inspection of November 1892 and mine, dated 19th January 1893, I have the honor to submit for your approval, revised plans and Estimate amounting to Rs 9000 for constructing the Seepathi Bridge on the Vayitri - Gudalur Road, resulting in a saving of Rs 1363 in the original Estimate.

Enclo 4
2 Plans
1 Estte
1 Com. statement

2. The original Estimate provided Rs 8976 for iron work while the actual payment for the same is only Rs 5870, and the girders are at site.

3. You will observe that most of the foundations of the abutments of this bridge will be on rock. The necessary blasting of ~~the rock~~ site and benching for foundation has been allowed in the revised Estimate.

4. The Overseer in charge of the work has

has been supplied on the 4th instant, with copies of the plans.

I have the honor to be,
Sir,
Your most obedt. servant
Supg. Engineer, 4th Circle.

16/2

P. W. CURRENT No. 1614

From

The Supg. Engr.
4 Circle

No. 791C d/21-2-93 ✓
" 149W " 21-1-93 ✓
" 3485W d/20-12-92 ✓
No. 399D d/17-6-91 ✓
" 324D " 6-6-91 ✓
" 77D " 22-4-91 ✓
" 2412W " 15-10-85 ✓
" 368E " 15-7-85 ✓
" 3109W " 18-12-84 ✓

" 1492W " 6-6-89 ✓
" 1722W " 26-6-91 ✓
" 3485W " 20-12-92 ✓

Dated 16 }
Despd. 20 } Feb/93
Recd. 21.2.93

Cp 62/IV

Enclos 4+5 x 2 plans

Seethathi bridge on the Vayitri Gudalur road

Submits for approval revised estimate of Rs 9000/ for constn—

6/841 P-3

Note by the Chief Engineer, P.W.D.

Assuming the angle of repose to be 40° and the weight of earth and masonry to be 100 lbs and 140 lbs respectively per cubic foot, the mean thickness of the wing wall (which it is [illegible] will be founded on rock) shown in section on A.B works out to 4.9' or say 5'. But as this wall will receive considerable support from the revetted slopes, the section proposed may be adopted, care being however taken that the earth slopes are carefully made up and proceeded with in advance of the filling between the wings.

2. The granite bed plates should be 1 foot thick.

Jr. 23/3/93

EW

HW 22/3/93

No. 841 W d/ 28th March 1893

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the S.E. IV Circle No. 62 W d/ 16 February 1893.
Note by the Chief Engineer, P.W.D d/ 22nd March 1893.

P. 4

H.S.
24 Mar

The revised estimate amounting to Rs. 9,000 for constructing the Sipathi bridge is sanctioned in supersession of the provision of Rs. 10,363 made for the work in the general scheme for improvements to the Vayitri-Gudalur road for which a revised estimate of Rs. 660,700 was sanctioned in G.O. No. 1722 W d/ 26th June 1891. The total estimated cost of the road will now be reduced to Rs. 659,337.

2. Attention is called to the note by the Chief Engineer, P.W.D.

3. This sanction has been registered

Hm

registered as Provincial
No. 131 W of 1892-93 and
classified as Com-
munications, Original
Works.

HWB
22/3/93

22/3/93

Note
It is proposed
to place this file
on the Editor's Table

N.S. 31/3/93
Mrs

To
The S.E. IV Circle
with 5 encls.
Exar. P.W. Accts.
Editor's Table

Hm. 24/3 R 27/3

C No. 1614

Govt. of (1893) Madras.
PUBLIC WORKS.

G.O. 28 March 1893, No. 841 W

Sripattri Bridge
=

Revised estimate of R 9000 for carrying the — on the Vayitri Cudalur road sanctioned with remarks.

C. 29/3

P. 29/3.