(1) பக்கங்களின் எண்ணிக்கை 12

(2) புதுக்கித் திருப்பிய நாள் Aug 1991

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

166

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2378

அச்சகம்
பலவகை

நாள் : 26-8-1992 198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

6 Sheets

இவண. கா-1—18,000—15-6-87.

2378/1

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 7th August 1892, No. 354 W.

I have the honour to forward, for sanction of Government, a plan and a revised estimate, amounting to Rs. 6,430, for constructing a rolled iron girder bridge of one span 30 feet in the clear over the Uppineerkatta stream on coast road No. 22 from Mangalore to Byndoor *viâ* Udipi and Coondapoor in the Mangalore taluk, South Canara district.

2. An estimate of Rs. 4,880 for the above work was approved of by me in August 1891. When excavating for foundation, a seam of clay of several feet in depth was met with, which necessitated going down deeper than was originally estimated for. This and the incidental charges on account of baling water and providing a dam to shut out water during the progress of the bridge work chiefly account for the revision of the estimate and the comparative statement, which accompanies the estimate, fully explains each item of excess.

ORDER—dated 26th August 1892, No. 2378 W., Public Works.

The revised estimate, amounting to Rs. 6,430, for constructing a rolled iron girder bridge over the Uppineerkatta stream in the fifth mile of coast road No. 22 from Mangalore to Byndoor *viâ* Udipi and Coondapoor in the South Canara district, is sanctioned.

2. This sanction has been registered as Local No. 22 W. of 1892-93.

(True Extract)

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

To the Superintending Engineer, IV Circle.
„ Local and Municipal Department, with eight enclosures.
Editors' Table.

Exd. C. A. Munisawmy.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1892} Madras.

PUBLIC WORKS.

Dated August, 26th.

Read. Encl.

G.O., 26th Aug. 1892. No. 2378 W.

AUGUST.

Girder Bridge over the Uppineerkatta Stream

Revised estimate of Rs. 6,430 for constructing a rolled iron — in the fifth mile of coast road No. 22 from Mangalore to Byndoor *viâ* Udipi and Coondapoor in the South Canara district, sanctioned.

No. 354/N

Supg Engineer's office, 4th Circle,
7th August 1892.

From,

Lt-Col. R.H. Drake-Brockman, R.E.
Supg. Engineer, 4th Circle,

To,

The Chief Engineer,
P.W. Department.

2378/2

1 Pice

Sir,

I have the honor to forward for sanction of Government a plan and a revised estimate amounting to Rs 6,430 for constructing a rolled iron girder bridge of one span 30 feet in the clear, over the Uppaneerkatta stream on Coast road No. 22 from Mangalore to Byndoor via Udipi and Coondapoor in the Mangalore Taluq; South Canara District.

Encls 8
1 Old estimate
1 Abstract
1 Report
1 Plan
1 Skeleton web
1 Revised estimate
1 Abstract
1 Con. Statement

2. An Estimate of Rs 4,880 for the above work was approved of by me in August 1891. When excavating for foundation a seam of clay of several feet in depth was met with, which necessitated going down deeper than was originally estimated for. This and the incidental charges on account of baling water and providing a dam to shut out water during the progress

of the bridge work chiefly account for the revision of the Estimate; and the comparative statement which accompanies the Estimate fully explains each item of excess.

I have the honor to be,
Sir,
Your most obed^{t} & servant,

Rue Drake. Buchanan Lt Col Rk.,
Supg. Engineer, & Tiv ele

278
27/7

P. W. CURRENT No. 8047

From

The Supg. Engr 2/
4 Circle

Dated 7th August 1892
Despd 8
Rec: 9-8-92
No. 354
W

Encls-8 (Atlas)

Uppuveer Katta stream

Forwards for sanction of 1 out a revised estimate amounting to Rs 6430/ for constg. a Rolled iron girder bridge over the — on the road from Mangalore to Byndoor

0/58

A 26-8-92

23784

Public Works Department.

Current No. 8047
Letter No. 354/W
Dated 7th August 1892
From the Superg Engineer IV Circle

Sanction
one

TECHNICAL NOTE.

P.W.D.

Revised estimate for Constructing a rolled iron girder bridge over the Uppinankatta stream in Mangalore South Canara District

Amount of estimate Rs 6430

This bridge is being erected over the Uppinankatta stream at the 5th mile of Coast road No. 22 from Mangalore to Byndoor via Padipi & Kundapur in the South Canara Dist.

The bridge is of one span 30 feet in the clear and carries a roadway of 15 feet wide on flooring plates & rolled iron girders resting on masonry abutments, the iron girders are placed parallel to each other at 4'10" apart centre to centre & rest on cast iron bed plates set on cut stone blocks 3'x2'x1' in cement

T/

The original estimate for the work amounted to Rs 4880. This sum being below Rs 5000 was approved of by the Supdg Engr IV Circle. The present revised estimate amounts to Rs 6430 being Rs 1550 or 31·6 % in excess over the original estimate. The excess is due to the following causes:-

(a) Excess due to lower arch, Rs 370
(b) — Do — to reducing the gradient of approaches to higher rate for earth paid — } 446
(c) Extra quantity of pointing done from foundation for the protection of masonry } 127
(d) Insufficient provision for baling, temporary dam & for supervision — } 347
(e) Omission in original estimate: to cart on turfing slopes & to allow flooring & curb stone pedestals — } 351
(f) alteration in material — 88

Total Excess 1629
Deduct savings — 79
Total excess Rs 1550

The plans & estimate have been countersigned by the President

Dist. Board

12.VIII.92

PUBLIC WORKS DEPARTMENT.

No 2378. W dt 26 August 1892

B.P. Civil Works.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2 Rs.

READ the following

from the S.E. IV Circle No: 3524 W dt 7th Augt 1892

The revised estimate, amounting to Rs. 6430, for constructing a rolled iron girder bridge over the Uppineerkatta stream in the 5th mile of Coast road No: 22 from Mangalore to Byndoor via Udipi and Coondapoor in the South Canara District, is sanctioned.

2. This sanction has been registered as local No: 22 W of 1892-93.

Dist 23 Augt

To The S.E. IV Circle
" Local and Munpl. Dept
with 8 encls.
Editor's Table.

C No. 8047

Govt. of {1892} Madras.

PUBLIC WORKS.

Dated

Read. Read.

G.O. 26 August 1892 No. 2378/7

Girder bridge over the Elyppinerkatta Stream

Revised estimate of Rs. for constructing a rolled iron ____ in the 5th mile of Coast road No 22 from Mangalore to Byndoor via Udipi & Coondapoor in the South Canara Dt, sanctioned.

(6)

8°/4

1-3

J.C. 2478