

40
17TH JUNE 1885, No. 1411 W., PUBLIC WORKS.

1411
1
GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

No. 277 T.J.

REPORT by the Superintending Engineer, VI Circle, on plan and estimate for constructing a bridge of 3 arches of 20-feet span across the Palavar at the junction of the cross road from road No. 48 to road No. 71 at Vappatur, Rs. 7,900.

The bridge is of ordinary construction with solid foundations 6 feet deep on a bed of 2 feet depth of concrete.

- 1 Survey of the site.
- 1 Plan.
- 1 Estimate.

2. The waterway is the same breadth as a bridge across the river about 2 miles above it; the springing level is made 2

feet above what is believed to be the highest recorded flood. The estimate is recommended for sanction.

KODAIKANAL,
13th May 1885.

(Signed) H. R. MEAD, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

ORDER—dated 17th June 1885, No. 1411 W., Public Works.

The plan and estimate, amounting to Rs. 7,900, for constructing a bridge across the Palavar at the junction of the cross road from road No. 48 to road No. 71, in the Tanjore Circle, are sanctioned.

2. This sanction is registered as Local No. 11 W. of 1885-86.

(True Extract.)

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

To the Superintending Engineer, VI Circle.
" Financial Department, with four enclosures.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated June, 17th.

Recd.

E

G.O., 17th June 1885, No. 1411 W.

JUNE.

Bridge across the Palavar

Plan and estimate for a — at the junction of the cross road, Tanjore district, sanctioned.

No 277.29

14/11/2

h1

Report by the Sup^s Engineer

b^{to} briele on plan and estimate for constructing a Bridge of 3 arches of 20 feet span across the Palavar at the junction of the cross Road from Road No 148 to Road No 71 at Vakkattur Rs 7,900.

Encl^s 3

1 Survey of the Site

1 Plan

1 Estimate

3

The Bridge is of ordinary construction with solid foundations 6 feet deep on a bed of 2 feet — depth of concrete.

The water way is the same in breadth as a Bridge across the river about 2 miles above it, the springing level is made 2 feet above what is believed to be the highest recorded flood: the estimate is recommended for sanction.

Kodaikanal

13: May 1885

Dec/2/22

Sup^s Engineer b: briele

Inch 4630

From (4)

The Supp Engine
VI. Circle

To

The Chief Engineer
P.W.D.

Dated 13

Decd 22 } May 1885

Recd 126

Encls. 3 (3 plans)

No. 1411 Way 17-6-83

No. 277 J.F.

accompany
Report to plan
and Estimate for Cons.
tructing a bridge
across the Palavar

6.13.6 83-17-6-85

Public Works Department, 1885-86.

(4) 1411/3

Current No. 4635

Letter No. 277 J.F.

Dated the 13th May 1885

From the S.E. VI Circle

NOTE OF REMARKS.

1. The plans and estimate now submitted provide for constructing a bridge across the Palavar at the junction of the cross road from Road No. 48 to Road No. 71 with it at Depparatur. - The amount of the estimate is Rs. 7,900.
2. The bridge is one of three segmental arches, each of 20 ft. span and 4 ft. rise. The arch is 1 3/8 ft. thick at crown and 2 1/4 ft. at springing line. The piers are 4 ft. thick and the abutments 6 ft. - Their height is 9.55 ft. above the flooring. - The brickwork of the foundation of piers, abutments, wing walls and retaining walls of flooring is 6 ft. deep, and rests on a

suppose they will not
require construction. No doubt
they will be done. J.F.

1411/4

11/3/2

sub-stratum of concrete 2 ft. thick. - The breadth of the roadway between parapets is 20 feet.

3. The springing line is said to be 2 ft. above H.W.M. - The waterway allowed is the same as that of a bridge which spans the river about 2 miles higher up. - The wing walls are 16.52 ft. high, 4 ft. wide at base and 2 1/2 ft. at top. - It may be remarked that no allusion is made to the provision of weep holes which in the circumstances of the case must be somewhat of importance. Subject to approval, wing walls on simpler lines would be better suited to the bridge than those now adopted.

4. The plans and estimate have not apparently been submitted to the Dist. L. & Board or to the Rev. Board - Subject to approval, they must be approved by the L. & Board before sanction.

BH

9th June 85

Judging from the cross section & from the fact of a similar bridge having been successfully built 2 miles higher up, as well as from the springing line being 2 ft. above H.W.M. the waterway will be sufficient - that is the main point. -

I certainly see no defect in the plan proposed for the wings. The embankment approaches to bridge will apparently be 20 ft. wide, so as they come up to the abutments they must widen out to double that width in an unobtrusive & unmeaning manner, in my opinion.

The wing walls will be too weak & will, I fear, crack. An 18 ft. roadway, with extremely sloped wings, would be cheaper & in my mind sufficient. However S.E. approves design. - It must be presumed that the project has had the approval of the L.F. Board, &c.

Sanction.

Cd.

10.6.85

Seen

BH

10/6/85

6.13.6.85 - 17.6.85

6.13.6.85 - 17.6.85

No 1411 W

PUBLIC WORKS DEPARTMENT.

1411/4

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

17th June 85

Read the following

From the S.E. VI Circle S.E. No. 277. J. I. as
13th May 1885

The plan and estimate, amounting to Rs. 7900, for constructing a bridge across the Palavar at the junction of the cross road from road No. 48 to road No. 71, in the Tanjore Circle, are sanctioned

2. This sanction is registered as Local No. - 11 W. of 1885. 86.

Cd.

13.6.85

S.E. VI Circle ✓
Encl Dept ✓
with 4 Encls ✓

Seen
23/6/85

15.6.85

11/12 J.B.

J-34
18 11/16

R/S 62/6
a 12 1/32

4655

Govt. of Madras.

PUBLIC WORKS.

Dated

11/11/11

Encl.

G.O. 17 June 1885, No. 1411 W

Bridge across the
Palavar

Plan & Est. for a - at
the junction of the crop
road, Tanjore D.,
sanctioned

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3

18/11/11