

No. 286
W

From,

Supg. Engineer's office, 4th Circle,
Camp Estacannud 17th June 1896.

J. C. Laramie, Esq., M. Inst. C. E.,

Supg. Engineer, 4th Circle,

To,

The Chief Engineer,

P. W. Department.

Sir,

With reference to G. O. No. 1709 W, dated 9th June 1896, I have the honor to report that the usual charges for Establishment and Tools & Plant should be levied on Rs 16,300 of the Estimate of Rs 23,800 for the construction of a Suspension bridge over the Palar River in Tanjore bdy. vide statement hereto attached.

2. But I would take this opportunity to observe that, if a bridge is to be constructed at the locality in question, it should not be a flimsy structure, in respect to its iron work, like that at Kullas. Experience gained there, clearly shows, that to prevent the constant undulatory movement under passing loads, the sides should be stiffened by lattice girders. The Suspension rods, bolts and nuts are also too

too tight and the result is considerable expenditure in repairs and renewals. With a view to lessen the latter, passing traffic has been restricted to a walking pace.

8. To provide a proper substantial suspension bridge, the estimated provision for iron work, Rs 6700, may safely be multiplied by 3, or say Rs 20,000 will be required, bringing the total of the estimate to Rs 37,100.

I have the honor to be,
Sir,

Your most obed^t. servant,

J. J. Larnier
Supg. Engineer, Circle.
12/6

HP

Statement showing the portion of the Estimate of Rs 23,800, on which the usual charges for Establishment and Tools & plant should be levied.

1. Total amount of Estimate for masonry and other works, exclusive of iron and steel works in connection with the bridge ————— Rs 13,820
2. Cartage for iron and steel works from Emperor's Railway Station to site of the bridge ————— " 390
3. Erection charges of — do — do — " 2,000
4. Granite stone uprights for side railings on approaches ————— " 72
5. Fixing charges of iron rails for railings — " 18

Total Rs — 16,300

From

The Supr. Engineer,
4th Circle

Recd: 20.6.96

No 1911 W, dt 1st July
1896.

Dated 17th June 1896
Despd 19th June 1896

1709 W dt 9.6.96
166 C dt 10.6.96
No 3387 C, dt 8.11.95
282 C, dt 25.4.95 No 286
252 C, dt 16.8.95 W.
2270 C, dt 24.7.95
1455 W, dt 15.6.95
373 C, dt 12.1.95

Suspension bridge over the
Palar river in Vaniambadi

Reporting upon the levying
of usual charges for Establish-
ment & Tools & Plant for
the construction of

Communicated
to the Local & Municipal
Dept. with reference to
with reference to
patrol 4 of 2.0. No 308 dt 24th June
1896
dated 21st Febury: 1896 &
Incemo No 579 dt 24th June
23rd May 1896.

2. The points referred
to in patrol 2 & 3 of the
Supt. Engrs. letter
can be considered after
it has been decided
what description of bridge
shall be erected.

22.6.96. 12/6/96
L & M. Dept
L & M. Dept
Sb. IV Circle JUL. 96
2076 22.6.96 12/6/96