1. Number of pages. 1
2. Date of repair. 31
3. Initials of Referen

M.R.O. 1—82 400—21-11-80

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2244 Press Mis.

243

Dated 2—12— 18 85

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 8th December 1857.

No. 12. Read the following letter from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 20th November 1857, No. 5387.

SIR,

With reference to Extract Minutes Consultation, No. 1909, dated 10th October 1857, I have the honor to state that from the additional information afforded by Lieutenant Bean in the accompanying estimate and Statement of Data, I have no hesitation in assuring the Government that under efficient Superintendence the completion of the Irrity Timber bridge may be accomplished within the amount originally sanctioned for the masonry bridge, but I can of course offer no guarantee for the skill or carefulness of the subordinates employed, in which respect the Malabar District is certainly deficient.

2. It appears very desirable that the works should be soon commenced but at present Lieutenant Tennant is employed in surveying the Tambracherry Ghaut, and Deputy Assistant Commissary H. Baily Sub Engineer is in charge of the Southern and Central Executive Ranges, so that it will be difficult for Lieutenant Bean to find adequate means of Superintendence.

3. I beg to submit an estimate amounting to Rupees (1,960) one thousand, nine hundred and sixty, for constructing a wooden roof over the bridge as suggested in para. 9 of the order referred to. This amout may possibly become available by savings in the execution of the bridge work, but as that is not certain, I request to be informed if it shall be entered in the Budget of 1858-59.

Letter from Lieutenant J. BEAN, District Engineer Malabar; to Colonel C. E. FABER, Chief Engineer, dated Cannanore, 7th November 1857, No. 1138.

SIR,

In reply to your Extract of Proceedings dated 17th Ultimo, No. 4509, I have the honor to enclose a Statement shewing the data from which my rates were obtained for the Irrity Wooden Truss bridge. I think these rates will prove sufficient, but should this not be the case, I have sent an Abstract estimate in which I have raised the amount in a slight degree though within the estimate. I also enclose an estimate* for a wooden or single roof. A Cadjan roof would be much cheaper, but not so durable.

* Rupees 1,964-14-0.

Statement shewing the data from which the rates for the Irrity Wooden bridge on the Trunk road No. 4 were obtained.

Particulars of work.	Price. Rs.	A.	P.	Rate.	Remarks on the Data.
Laterite in Chunam.....	...	2	...	Per Cubic foot	This rate gives Rupees 12-8-0 ₱ 100 feet whilst the usual allowance is 10 Rupees but as the material is difficult to be got in the jungles I have revised the rate.
Jungle wood.....	1	...	...	Do.	The best woods of the District can be supplied to me on the spot in logs at the rate of 6 annas per foot, or sawn to the scantling of the estimate at 12 annas ₱ foot.
Running feet of Carpentry.	2	4	...	Per foot.....	This is ample and above the average rate for the coast bridges.
Iron shoulders &c.....	2	...	...	Each.....	Iron can be supplied from 1 to 2 annas per Pound.
Plastering.....	3	...	...	₱ Sqre.....	The usual rate is 2 Rupees but Chunam is difficult to be got in the Jungles.
Removing soft rock.....	...	...	9	₱ foot.....	We can always obtain 1000 Laterite stones averaging 562 Cubic feet for 18 or 20 Rupees or under 6 pice per foot.
Tabling rock.....	5	...	...	₱ Sqre.....	This is Captain Ludlows rate and I think it sufficient.
Filling up abutments.....	...	1	...	₱ Cubic foot.	This rate appers sufficient but I have raised it in the revised estimate.
Bailing water.....	300	...	...	do.	This rate was fixed by Captain Ludlow but it is just possible that it may be exceeded.

District Engineer's Office, Cannanore, 7th November 1857.

(Signed) J. BEAN,

District Engineer Malabar.

Fort Saint George, Public Works Consultation of 8th December 1857.

No. 13. ORDER THEREON, No. 2214; dated 2nd December 1857.

As the Chief Engineer is well satisfied that the Irrity Timber Bridge can be erected for the amount of the estimate formerly made for a Masonry bridge, the Right Honorable the Governor in Council permits the commencement of the work, whenever Colonel Faber shall be able to place efficient superintendence in charge of it. His Lordship in Council is not however willing that the work should proceed, as long as the doubts now expressed of the Superintendence available in Malabar, may continue to be felt by the Chief Engineer.

2. The estimate for the Pent roof to the bridge will not be entered in the Budget. It must necessarily be the last part of the work completed, and orders should be applied for when it is known what the expenditure on the bridge will be, as compared with the estimate.

(Signed) H. FORBES,
Acting Secretary to Government.

Public

Central Office 20th Nov. 1857.
Fort St. George

No. 5387.

From

The Chief Engineer

To

The Secretary to Government

Sir,

With reference to Ex. Mines. Cons. No. 1909 dated 10th October 1857. I have the honor to state that from the additional information afforded by Lieutenant Beaver in the accompanying Estimate and Statement of Data, I have no hesitation in assuring the Government that under efficient superintendance the completion of the Irrity timber Bridge may be accomplished within the amount original. ly sanctioned for the masonry bridge, but I can of course offer no guarantee for the skill or carefulness of the subordinates employed, in which respect the Malabar District is certainly deficient.-

2. It appears very desirable that the works should be soon commenced but

but at present Lieutenant Stewart is employed in Surveying the Tambrachierry Chaut: and Deputy Assistant Commissary J. F. Baily Sub Engineer is in charge of the Southern and Central Executive Ranges, so that it will be difficult for Lieutenant Beaw to find adequate means of superintendance.-

3. I beg to submit an Estimate amounting to Rupees /1960/ One thousand nine hundred and Sixty for constructing a wooden roof over the Bridge as suggested in Para 9 of the order referred to.- The amount may possibly become available by Savings in the execution of the bridge work, but as that is not certain, I request to be informed if it shall be entered in the Budget of 1858/59.-

I have the honor to be
Sir,
Your most obd: Servt:

Fort St. George
20th Novr 1857

A. Webster Capt
Chief Engr

A.G.
S.S.S. Girls
To The Secretary to
Government P.W.D.
Comp 41

Public. (roads) [New Work]

Abstract of Estimate № of 185 .5

Road №

District. Malabar

Work. Constructing a Wooden or Shingle Roof over the Roadway of the Spratly Bridge

Quantities	Description of Work	Rate			Amount	Amount for each part
		Rs	as	P.	Rupees	Rupees
C. Yds.						
8932	Sup.ft.s of Roofing ——— 7 to Square	20	"	"	1786	
	Sundries ———				174	
	Total Company's Rupees ———					1960

Central Office of P.W.
Fort Saint George.
20th November 1857.

A. Cadell Colonel
Chief Engineer D. P.W.

Cons. 13 October 1857 №
3 Encl.

Copy in a Q. L. of
23d Feby 1859. №
Read 4.

Public Works Dept
Sir
I am directed by the Chief Engineer
to forward the accompanying Estimate
for the Sanction of Govt

Public Works Dept
Dated 18th Decr 1857
№ 2513

Rec'd 21st Dec. 1857.
№ 5382.

Endorsement: 22 Dec. 1857. Sanctioned. Public Works Department to be charged with the amount. Estimate returned. Executive Engineer to be informed that the Estimate must be submitted for the sanction of the Board of Revenue. Public Works Department to be informed that the Estimate must be submitted for the sanction of the Board of Revenue. Executive Engineer to be informed that the work must be executed by contract. Public Works Department to be informed that the Estimate must be submitted for the sanction of the Board of Revenue. Executive Engineer to be informed that the work must be executed by contract.

Rec'd 21 Dec. 1857.
№ 5382.

Read 2 Feb. 1858.
№ 12.

C24 Book № 230 ::

Quantities	Description of Work	Rate			Amount	Amount for each part
Ft Ins		Rs	As	P	Rupees	Rupees

Copy in a G-L-to-E.
87 3d Feb 1859 No 21
Para 4.

Enclosure
In a Letter.

From.
The Chief Engineer
D.P.W.

To
The Secretary to Govt:
D.P.W.

Dated 20th Novr 1857.
Recd
D/11/303/57
No 5387.

Abstract Estimate for Constructing a Wooden or Shingle Roof over the Roadway of the Sprity Bridge in the District of Malabar.
Amounting to Company's Rupees 1960 —

P.W.D

No 2244

Extract from the Minutes of Consultation
Under date the November 1857 -

Read the following letter from the Chief Engineer

Here in the 20th Nov:/57 No 5387

To the Chief Engineer is well satisfied that the Sprity timber bridge can be erected for the amount of the Estimate — formerly made for a masonry bridge the Right Honorable the Governor in Council permits the commencement of the work, whenever Colonel Faber shall

shall be able to place
efficient superintendence
in charge of it. The
Lordships in Council
are not however willing
that the work should
proceed, as long as the check
now expressed of the
superintendence available
in Malabar, may con-
tinue to be felt by the
Chief Engineer.

2. The Estimate for
the year for the bridge
will not be entered in
the Budget. It must
necessarily be the last
part of the work com-
pleted, and orders
should be applied for
when it is known what
the expenditure on the
bridge will be, &c.

compared

compared with the
Estimate.

G. Copy to the Chief Engr. 4th Dec.

Cons: 13th Oct 57 No 37639.

Copy in a G. L to C
D/ 3rd Feb 1859 No 1
Para 4.

Public Works 1857 Capital
D to Cons 8th Dec.

No 2244.

Extract Mins of Cons:
D/ 2d Dec 57.
From the Chief Engr D/ 6th Aug 58 C No 1768 inclo 4 Plans &c

Permitting the commencement of the Irrij Timber Bridge in Malabar instead of the masonry Bridge originally sanctioned whenever Col Taber shall be able to place efficient Superintendence in charge of it.-

No 12413.

C24 Vol 1230