M.R.O. 1—2406—22-11-57

MADRAS RECORD OFFICE.

Government of Madras.

Judicial Works DEPARTMENT.

Date 21/12/57

G.O. No. 2506	Press Mis.
1645	
Dated 21-12-	18 57

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 7th December 1858.

No. 18. Read the following letter from Lieutenant-Colonel E. LAWFORD, Officiating Chief Engineer; to the Secretary to Government, dated, 6th November 1858, No. 5157.

SIR,

1 Copy of letter.
2 Plans.
2 Abstract Estimates.

In continuation of my letter No. 2580, dated the 6th August last, I have the honor to forward for submission to Government, Plans and Estimates amounting in the aggregate to Rupees 8,650, for the following works, in the District of Malabar, viz.

		Rs.
1	For re-constructing a bridge across the Kakotodoo river.....	5,660
2	Do. a wooden bridge over the Oorooty river.....	2,990
	Total Rupees.....	8,650

2. It will be perceived from the accompanying copy of a letter No. 225, dated the 11th Instant, that a temporary bridge has been erected over the Oorooty river so that traffic may not be stopped, that the arches of the Kakotodoo have only partially suffered so that bandies can pass over, and that materials are being prepared for re-building both.

3. I do not consider the rates given in the estimates high, especially as work people must be brought from great distances, and on increased wages; and I agree with Captain Bean that lower estimates than that now submitted will not "suffice to re-build them".

4. The estimates have been examined in this Office and corrected where necessary, and the rates therein given are those current in that locality; I beg therefore to recommend that Government will be pleased to sanction the same for immediate execution as otherwise great inconvenience will be experienced on the great Trunk Road No. 4 if the present temporary expedients should fail.

Letter from Captain J. BEAN, District Engineer Malabar; to Lieutenant-Colonel E. LAWFORD, Officiating Chief Engineer, dated Calicut 11th October 1858, No. 225.

SIR,

I have the honor to enclose Plans and Estimates amounting as per margin to Rupees 8,650, for re-building the Kakotodoo and Oority Bridges on the Trunk Road No. 4 called for in your extract of Proceedings No. 2579 of the 6th August last, and at the same time, I have, as directed, issued instructions for the immediate preparation of the materials for these Bridges.

Kakatadoo bridge.....	5 660
Oority bridge.....	2,990
Total....	8 650

2. Over the Oority River a temporary bridge has been erected, and the arches of the Kotodoo bridge have only fallen in part so that the Bandies can go over the remaining portion of Road-way without any stoppage to the present traffic.

3. One cause of the failure of these Bridges was the rise of fresh in the rivers which, in the case of the former work, passed completely over the Road-way; another reason as regards the Kakotodoo Bridge may have been the insufficiency of water-way, the arches springing from the ground level, and also the inferior quality of chunam which was mixed with laterite mud.

4. The rates of the work and consequent cost of the Bridges will be rather high, but from the experience gained on the Irrity Bridge work, and on taking into account the site of these bridges in dense Jungle where work-people cannot be obtained without being brought from long distances at increased wages, I cannot consider that lower estimates will suffice to re-build them. I have even reduced the amounts to the lowest possible sum consistent with a due regard for the proper execution of the work.

No. 19. ORDER THEREON, No. 2586; dated 2nd December 1858.

With this letter the Officiating Chief Engineer submits Plans and Estimates amounting respectively to Rupees 5,660 and 2,990 for reconstructing the bridges across the Kakotodoo and

ground

P.W.D

No. 2586.

25 3

Extract from the Minutes of Consultation
Under date the 2d ~~November~~ December 1858.

Read the following letter
from the Offg. Chief Engineer.

(Hereunto 6th November 1858 No. 5157)

With this letter the
officiating Chief Engineer
Submits Plans and Estimates
Amounting respectively to
Rupees 5,660 and 2,990 for re-
-constructing the bridges
across the Kakkotodoo and
Corooty rivers on the great
Trunk Road No. in Malabar
which were destroyed by
recent heavy floods and
recommends that the same
may be sanctioned for
immediate execution on the
ground

No 225

From

The District Engineer

Salabury

To

The Officiating Chief Engineer

Department Pub. Works

Sir

I have the honor to enclose Plans and Estimates amounting to per margin

& Bridges $703 — for rebuilding the —

Salisbury and Caribi Bridges on the

Junction Road & No 4 called for in your

Schedule of Proceedings No 2879, of the

5th August last, and in which I am directed, if need be, to submit

I have not directed, if need be, to submit

the immediate preparation of the mate-

rials for these Bridges.

2. Over the Caribi River a tempo-

rary Bridge has been erected, and the

Arches of the Salisbury Bridge have

only fallen in part so that the Bandies

can pass over the remaining portion of

Roadway without any stoppage to

the present traffic.

3. The cause of the failure of these

Bridges was the rise of fresh in the Rivers

which, in the case of the former work, pas

sed completely over the Roadway. Another

reason

Salisbury
Bridge — $720 —
Caribi
Bridge — 2788 —
Total $703

Nº 225 58 Nº 100-101

Public Works Dept.
Roads & Bridges Branch
Bay St Town, 27th Dec. 1858.

Capt. Hoskyns,
Engineer & Surveyor of Roads.
2nd Dist.

Sir,

I am directed by the Commissioner of Public Works to request that you will proceed to Salisbury and Caribi Bridges on the Sandy Point Road, and report to him what repairs are necessary to render them safe for the passage of Carts and Waggons.

I am also to request that you will report whether the Bridges are of sufficient strength for the passage of Locomotive engines.

I have the honor to be
Sir
Your obedient Servant
[illegible]
Secretary

Nº 8849

c24 Nov 2 R30 "

Remark in regard to the [illegible] in the Bridge
[illegible] the Arches Shewing the Curve the
Level, and also the inferior quality of Stone
which was used with [illegible]
[illegible] the Bridge and Quay
[illegible] the Arches and with the
Light, but from the [illegible] carried on
the Chain Bridge on the [illegible] Bridge
was ascertained that Sets of Stone Bridges
in this Province cannot be expected
carried to advance with the Money brought
from Parliament at increased wages,
Several Engineers that have Estimated
such Bridges Estimated them - I have
never received the Amount of the Estimate
for the Bridges [illegible] at the
moment.

Dait Engrs Office
Sackville
Sackville 11th October
1858.

I have the
Signed J Bean
Dait Engineer
Sackville

Lieut Colby
R.E.
Asst Engr Dait Sackville

Comp Ex

C24 Nov 2 R30 "

Central Office of P.W.D.
Fort St George 6th Novr 1858

No. 5157

From

The Offg Chief Engineer

To

The Secretary to Government P.W.D.

Sir,

In continuation of my letter No. 2580 dated the 6th August last, I have the honor to forward for submission to Government Plans and Estimates amounting in the aggregate to Rupees 8,650 for the following works in the District of Malabar, viz:-

1.	For reconstructing a bridge across the Nakotodoor River	Rs	5,660
2.	For a Wooden bridge over the Coorty River	"	2,990
		Total Rupees	8,650

2. It will be perceived from the accompanying Copy of a letter No. 225, dated the 11th instant, that a temporary bridge has been erected over the Coorty River so that traffic may not be stopped, that the arches of the Nakotodoor have only partially suffered so that

bandies

Public

Plans
Estimate

24 Novr 1858

bandsmen can take over, and that materials be
and time prepared for Rebuilding them.

3. I do not consider the Rates given
in the Estimates liable, especially as work
people must be brought from Friendly
distances, and as an increased average of
one Lagoon with the Captain Bean Back
Lower Estimates than that were submitted
in March "for Repairs & Rebuilding them."

4. The Estimates have been examined
in this Office, and Corrected where necessary, &
and the Rates therein given are those current
in that locality. I beg therefore to recom-
mend that Government will be pleased
to sanction the same for immediate
execution as otherwise Great inconvenience
will be experienced on the Friendly Islands
Road &c &c. if the present temporary expedient
should fail.

Port Resolution
6th Novr 1858

I have the honor to be,
Sir,
Your most obedt Servt
H. Lawford Lieut Colonel
Offg Chief Engineer

To
The Secretary to
Government &c &c &c

Copy

24 Novr 1858

Wm. Cors. 7th Sept 58 Re. 100-101

No 2647

6th
8th Nov 1858

No 5757
Encls. 5 Dated 21-12-58

No 18.

No 2586. 2nd Dec 58

C24 6th Nov 1830

Enclosure

In a letter

From

The Offg. Chief Engineer
D. P. W.

To

The Secretary to Government
D. P. W.

Dated 6th November 1858
Received

OM 2647/58

No. 5157

Abstract

24 Nov. 1830

Public [roads] [New Work]

Abstract of Estimate No. of 185 .5

Road No.

District Malabar

Work Constructing a Bridge across the Cachatodoo River

Quantities	Description of Work	Rate			Amount	Amount for each part
C. Yds.		Rs.	as.	P.	Rupees	Rupees
38132	Cft. Laterite in chunam ——— ₹100 ft.	12	"	"	4576	
13649	Sq ft. Plastering ——— ₹ Sq ft.	2	"	"	273	
300	Rft. Cordon work in chunam ₹ Rft.	"	3	"	56	
	Centring ———	"	"	"	100	
	Baling water ———	"	"	"	80	
	Excavating foundation & raising approaches ———				150	
	4 Guard Stones ——— C	1	8	"	6	
	Sundries and Extra Establishment	"	"	"	119	
					Total Company's Rupees	5,660

Quantities	Description of Work	Rate			Amount	Amount for each part
C. Yds.		Rs.	as.	P.	Rupees	Rupees

Public (roads) [New Work]

Abstract of Estimate No. of 185 .5

Road No.

District Malabar

Work Reconstructing a Wooden Budge over the Oorooty River

Quantities	Description of Work.	Rate			Amount	Amount for each part
C. Yds.		Rs.	as.	P.	Rupees	Rupees
12383	Cft. Laterite in chunam. @100 Cft.	12	"	"	1486	
5085	Sft. Plastering ——— @ Sq.	2	"	"	102	
993	Cft. Erool wood ——— @ Cft.	"	12	"	745	
90	Rft. Carpenters hire for Planking @ Rft.	1	8	"	135	
	Iron work ———	"	"	"	150	
	Levelling Rocky bed ———	"	"	"	100	
	Sundries & Extra Establishment ———	"	"	"	272	
					Total Company's Rupees	2,990

Central Office 5th M.

A.t. St. George

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

Enclosure

In a letter

From

The Offg Chief Engineer
D. P. W.

To

The Secretary to Government
D. P. W.

Dated 6th November 1858
Received 8th " "
No 2647

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