M.R.O. 1—77,006—8-6-37.

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(2) Date of repair _____

(3) Initia's of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public (Misc) DEPARTMENT. G.O. 21-10-59

G.O. No. 2388 Press ~~Mis.~~

30.31.

Dated 7—10—1859

Not to be folded or roughly handle

No. 30. Read the following letter from Lieutenant-Colonel J. H. BELL, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 27th September 1859, No. 5450.

1 Original letter from the District Engineer of Malabar No. 210, dated 9th July 1859.
1 Plan 3-4859-59.
1 Abstract estimate.

In continuation of my letter No. 419 dated 13th May last, I have the honor to forward, for submission to Government, an estimate for completing the Neerungumpully bridge on trunk road No. V, in the District of Malabar.

2. An estimate of Rupees 7,240 was sanctioned in Extract from the Minutes of Consultation No. 292, dated 19th February 1858, for re-building the arches of this bridge which fell on the 22nd October 1857, from the obstruction of the water-way by trees and bamboos in an extraordinary fresh. Out of the above amount, the District Engineer of Malabar reports,* that work to the extent of Rupees (5,616-1-2) five thousand six hundred and sixteen, anna one and pice two, was executed when, in consequence of a very heavy fall of rain, the Neerungumpully river filled on the 5th April 1859, which caused the fall of three arches and the centerings of the bridge under construction. Material however, to the value of Rupees 1,051 has been recovered from the destroyed structure. Deducting this sum (Rupees 1,051) together with the unexpended balance (Rupees 1,623-14-10) one thousand six hundred and twenty-three, annas fourteen and pice ten, of the original sanction from the estimate herewith submitted, a total of Rupees (4,370) four thousand three hundred and seventy, remains, which amount I beg to recommend Government will be pleased to sanction for immediate expenditure.

* No. 210, dated 9th July 1859.

3. A plan, showing the present and the former state of the bridge, is also submitted for the information of Government.

4. The reconstruction of the bridge commenced on the 1st November 1858, and there do not appear to have been any faults or errors in construction which could lead to disaster, but the setting in of rain so very early as March could not have been anticipated.

5. As the bridge is situated on a very important line of road, I trust the work may be sanctioned without delay.

No. 31. ORDER THEREON, 7th October 1859, No. 2388.

In his letter of the 13th May last, the Chief Engineer reported the fall, on the 5th April of the three arches, which had been turned, of the bridge under construction across the Neerungumpully river on the Calicut and Paulghaut road. With his present letter, he submits an estimate of Rupees (4,370) four thousand three hundred and seventy for completing the work.

2. The destruction of the bridge occurred during a very heavy fall of rain, when the river rose eight feet within the space of four hours. In his former report, Colonel Bell stated that every possible precaution had been taken to prevent accident—and expressed an opinion that what had happened was more immediately attributable to the centerings of the recently turned arches not having been able to sustain the shock of the trees &c. thrown against them by the current. In his letter above recorded, he states that "there do not appear to have been any faults or errors in construction which could lead to disaster."

3. Of the original sanction of Rupees 7,240 for this bridge, a sum of Rupees 5,616-1-2 had been expended up to the time of the accident, leaving an available balance of Rupees 1,623-14-10. In addition to this last mentioned sum, the materials recovered amounted in value to Rupees 1,051. These two items are extra to the amount now applied for, and, with it, will make the cost of the entire work Rupees 11,610.

4. The Honorable the Governor in Council sanctions the further grant of Rupees 4,370 now solicited on account of the bridge, on the understanding that it shall be charged to the fund allotted, in the order of the 21st ultimo No. 2264, to the district of Malabar for expenditure on emergent works during the current official year, and which, it is observed, includes a sum of Rupees 10,000 for the communication of which the Neerungumpully bridge forms a part.

(Signed) T. PYCROFT,
Chief Secretary.

Abstract Estimate No 16 of 1859/60
Malabar District

Work Relaying a portion of the Conjeevampully Side of the Trunk Road No 5

Quantity	Description of Work	Rate	Amount	Amount for work last
18565	Cubic Yds of Brick in Ch. am	"	2 " 2320 10	
15120	Do of Arch work Brick in Ch	"	23 2126 4	
4453/8	Do Hard Granite in Chunam	"	6 " 266 12	
18425 5/8	Plastering		24 " 414 9	
	Centerings	"	" 150 "	
	Making water & River Embankment	"	" 250 "	
	Demolishing Old work	"	" 40 "	
3600	Cubic Yards of Earth work making & removal	"	16 33 1/8	
450	Do of Metalling	"	4 " 112 8	
	Sundries Amount	5	" 32 1/2 1 10	
	Extra Establishment	"	" 200 "	
	Total		7644 14 10	
	Deduct the value of Old Materials	"	" 1051 "	
	Total Contingent Rupees		5993 14 10	
	Deduct balance of Estimate sanctioned by Govt in Ex. Min of Consultation No 292 of the 19th January 59		1623 14 10	

Total additional Estimate requiring Sanction Rupees 4370 " "

District Engineers Office
Malabar
Calicut 9th July 1859

J Dean
District Engineer
Malabar

E.B.A.
Exd. C.R.

62 Let Pd

Central Office of Public Works
Fort St. George 27th September 1859

No. 5450

Public.

From

The Chief Engineer.

To

The Secretary to Government
Public Works Department

Enclosures 3.

1 Orig. Letter from the Ex. Engr. S. Malabar No. 220 dated 9th July 1859.
1 Plan 3/4 1859/59.
1 Abstract Estimate

Sir

In continuation of my letter No. 219 dated 13th May last, I have the honor to forward for submission to Government an Estimate for completing the Neryangaddy Bridge on Tanks Road No. 27 in the District of Malabar.

2 Copies

An Estimate of Rupees 1220 was framed and returned on detail from the Master of Construction No. 292 dated 19th January 1858, for rebuilding the Archer of this bridge which fell on the 22nd October 1857 from the obstruction of the waterway by trees and bamboos in an extraordinary freshes. One of the above amounts the District Engineer of Malabar reports that words to the extent of Rupees 1516-1-2 Two thousand five hundred and sixteen, Annas One and Pies Two, was executed when in consequence of the very heavy fall of rain, the Nergangaddy river filled on the 5th April 1859 which caused the fall of three Archer and the Centerings of the Bridge under the

Rupees

×1220 d/9th July/59.

Southern Circle

No. 16 of 1859/60.

OO 2547/59.

Revised Estimate for rebuilding a portion of the Bridge unfortunately on the Trunk Road 5 in Malabar District.

Amount Rs. 1516-1-2

Tw

construction. Materials however, to the value of Rupees 1051. has been recovered from the destroyed structure.—

Deducting this Sum / Rupees 1051 / together with the unexpended balance / Rupees 1623-14-10 / One thousand Six hundred and twenty three. Annas fourteen and Pie ten. of the original sanction from the Estimate herewith submitted, a total of Rupees / 1370 / Four thousand three hundred and Seventy, remains, which amount they to recommend Government will be pleased to sanction for immediate expenditure.—

3. A Plan, showing the present and the former states of the bridge, is also submitted for the information of Government.—

4. The reconstructions of the bridge commenced on the 1st November 1858. and there do not appear to have been any faults or errors in construction which could lead to disaster but the setting in of rain so very early as March could not have been anticipated.—

5 As the Bridge is situated on a very important line of road I trust the work may be sanctioned without delay.—

I have the honor to be,

Sir,

Your Most Obedient Servant

J. H. Lidell Lt. Coll.

Chief Engineer

Central Offices of P.W.

Fort St. George

27 September 1859.

Lt. Col. Lidell

Dy. Chief Engineer S.C

Mr. Lowe

No 2388 P.W.D.

Proceedings of the Madras Government
Under date the 4th October 1859.

Read the following letter

from the Chief Engineer

Submits for sanction the
Estimate amounting to Rupees 4370
for completing the Nerungumpully
Bridge on Trunk Road No V in
the District of Malabar.

A his letter dated
the 13 May last, the Govt
Engr. represented the state
of the Nerungumpully Bridge
three arches, which has
been formed, of the bridge
under embankment across
the Nerungumpully
river on the Calicut Pal-
ghaut road. That
the Queen's letter, he
submits an estimate
of Rs (4370) four thousand
three hundred and seventy
for completing the work.

No.

Dr. 24th May/59 No. 158-159.
— 28th February/58 — 24-28

Dr 9th 1859 12th Oct. Despatch
Rec'd from Govt No. 2547

From The Chief Engineer
To The Secretary to Govern.t
P.W.D.

Dated 27
Rec'd 29th September 1859.
Encl 3 No 5450

No 2388. 7th Oct.r 1859

Submits for sanction an
Estimate Amounting to Rupees 4370
for completing the Nerungumpully
Bridge on Trunk
Road No V in the District
of Malabar.—

No 30.

3 October

2 The destruction of the bridge occurred during a very heavy fall of rain, when the river rose eight feet within the space of four hours. In his former report Col. Bell stated that every possible precaution had been taken to prevent accident and expressed an opinion that what had happened was more immediately attributable to the centering of the recently turned arches not having been able to restain the shock of the trees & stones against them by the current. In his

letter above recorded he states that "there do not appear to have been any faults or errors in construction which could lead to disaster."

Of the original construction of Rs 7240 for this bridge, a sum of Rs 5616-1-2 had been expended up to the time of the accident, leaving an available balance of Rs 1623-14-10. In addition to this last mentioned sum, the materials recovered amounted in value to Rs 1051. These two items are extra to the amount now applied

for

for and with it, will make the cost of the entire work Rs 11,610

4 This is an encroachment on Clay for a small bridge of five arches. Under the circumstances of the case, however, as given in Para 2 of this order, the Sketch Committee has sanctioned the further grant of Rs 4370. now solicited on account of the bridge, on the understanding that it shall be charged to the fund allotted, in the Order of the 21st ult: No 2264. to the district of Malabar for expenditure on emergent works during the current official year, and which, it is observed, includes a sum of Rs 10,000 for the communication of which the Steersmen speak bridge forms a part.

JP

10 Copies. Chief Engineer. Civil Dept.

Public Works 1859 Dep.t
Pro: of Govt. 21th Octr.

No 2388.

Pro: of the Madras Govt.
Dy 7th October 59.

Rupees 4,37[illegible] for completing the steering unfinished bridge on trunk road below Allalabar, sanctioned.

No. 30 to 31.

C 3d October 59