

(1) Number of pages 14(2) Date of repair 20.11.1962

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1320	Press Mis.
310 - 311	
Dated 15-8-1865	

Not to be folded or roughly handled

12

*Proceedings of the Madras Government, Public Works Department,
15th May 1865.*

No. 310. Read the following letter from Lieutenant-Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Coonoor, 25th April 1865, No. 330. —

SIR,

1. I have the honor to submit copy of a letter* from the Assistant Executive Engineer Cannanore Range shewing, as I think, good cause why the sanction for re-building the Irrity bridge below Perambaddy Ghát should be raised from Rupees 16,800 to Rupees 23,114. Of the total excess of Rupees 6,314, Rupees 4,100 is under the head Masonry, whereof Rupees 2,100 is caused by additional work to be performed, which could not have been foreseen, leaving Rupees 2,000 due to increase of rate. To the latter cause is also attributable an increase of Rupees 1,327 in the item of timber; and the remaining Rupees 900 is put down to Superintendence and Sundries, in proportion.
- Enclosures 2,
* No. 986 of 15th April.

2. As to masonry, Captain Norton appears to be using stones about six times the size of ordinary laterite stones, and considering the unhealthiness of the bridge site his rate of Rupees 22 cannot be called excessive; while that for timber is still moderate. The estimated rates were given by Mr. Bailey, who held charge of the Range for only a few months.

3. The necessary funds for completion of this important work, which must not be deferred through another monsoon if it can possibly be avoided, will have to come out of the Reserve of 1865-66, there being no other available source of supply.

	RS.
Amount of revised estimate	23,114
Computed expenditure up to 1864-65 Rs.	15,172
Allotment of 1865-66	,, 5,628
Total of funds available	20,800
Balance required	2,314

No. 311. ORDER THEREON, 15th May 1865, No. 1,320.

CIVIL WORKS, No. 44.

1. With this letter the Superintending Engineer, 7th Division, submits one from the Executive Engineer in charge of the Cannanore Range regarding the timber bridge now being rebuilt over the Irrity river on Trunk Road No. 4 in the Malabar District, the work connected with which was sanctioned in G. O. No. 160, dated 16th January 1864, at an estimated cost of Rupees 16,800. The computed expenditure up to the end of the past official year is reported to be Rupees 15,172, and the total cost of the work, it is stated, will amount to Rupees 23,114, or 37½ per cent. on the sanctioned estimate.

2. The causes which have led to this excess are fully explained by Colonel Walker, and the Government sanction the revised estimate of Rupees 23,114 submitted by that Officer.

Proceedings of the Madras Government, Public Works Department;
15th May 1865.

3. A sum of Rupees 5,628 has been provided for the bridge in the current year's Budget, and the Superintending Engineer will be requested to report later in the year whether the balance* of the revised estimate can be met by transfers from the allotments for other New Works.

Item No. 125, Part II

* Rupees 2,311.

(True Extract.)
 (Signed) CHARLES A. ORR, Colonel, R. E.,
 Secretary to Government.

To the Superintending Engineer, 7th Division
 " Controller of Public Works Accounts.
 " Accountant General.

Exd. S. T. Augustin.

No 986 Cannanore 15th April 1865
 From
 Captain E. Norton
 Assistant Engineer
 To
 Lieutenant Colonel G. W. Walker R.E.
 Superintending Engineer 7th Division P.W.D.
 Sir
 Owing to various circumstances which I shall have the honor of stating, an excess of the sanctioned amount of estimate, is necessary for the completion of the Trinity Bridge.
 1st Additional work already performed
 2nd Additional work to be performed
 3rd Enhanced price of materials
 4th High rate of labour
 5th Additional work performed. It was found necessary owing to the soft state of the soil in excavating for the foundations of the Southern Abutments and wing wall that it should be deepened nine feet more than provided in the estimate. The foundations of the Northern Abutment and wing wall for Sirivassam have been deepened 4 1/2 feet more than provided for in the estimate.
 6th The old Northern Abutment which was intended to have been turned into a Pier, was found to be so badly cracked that it was necessary to take it down to the extent of 14 feet and rebuild it. No allowance has been made in the estimate for carrying the masonry to a level of the string pieces of piers and abutments.
 7th The rate for masonry is Rupees 18 per 100 cu ft but from practice it is found to come to Rupees 24-8-0 per 100 cu ft
 Brick

<u>Bricks in Chunar 66 cft Lattice in Chunar 1500 cft</u>			
1000 Bricks	5--	1000 Large Stones	100--
Cartage	1--	Cartage	62-8--
375 Tungas in Chunar	6-14-3	3500 Tungas in Chunar	61-5--
2 carts Sand	--6--	20 carts Sand	3-12--
2 Bricklayers	1-12--	100 Bricklayers for	
2 Men Caries	--8--	Dreflung	87-8--
6 Women &c	1--	25 Cts for laying	21-14--
		25 bricks	6-4--
		50 Cts	12-8--
		100 Women	16-10-8
Total 11-8-3		Total 375-5-8	

But deducting the value of the old stones of wing walls &c the rate is reduced to 22 Rupees per 100 cft

5 The rate for woodwork in the estimate is Rs 1-4-- per Cubic foot wrought & put up. Great difficulty obtains in procuring. Scantled wood at one Rupee per Cubic foot, leaving thus a balance of 4 Rs which is insufficient for the payment of workmanship

6 50 Rupees only have been allowed for repairs of the broken piers for removing old wing walls, and forming ends of Abutments into Piers. the outlay for this has been Rupees 250--

7 The amount sanctioned for the scaffolding is Rupees 350-- Rupees 326 have already been spent for the present scaffolding and next year, the scaffolding will be some 15 feet higher & I consider 50 Rupees more will be necessary--

8 Rupees 100 only are allowed for excavating foundations and filling Roads. But the road has to be raised eight feet above the present level and the fill at the North abutment to be cut down and the excavation for the foundations having been deeper than provided for in the estimate 100 Rupees more will be necessary--

9 Under these circumstances I have the honor to submit a Statement showing the difference between the estimate and the work and hope you will be good enough to allow

allow me to revise the estimate

I have the honor to be
Sir

Your most Obedient Servant
Signed) E. Norton Captain
Assistant Engineer

(True Copy)

Amulher Lieut. Col., R.E.,
Superintending Engineer Sindh Division

Comd. Lt.

No. 330

Superintending Engineer's Office
7th Division

Coonoor 25th April 1865

From Lieut Colonel G. M. Walker R.E.

To Colonel C. A. Orr. R.E.
Superintending Engineer 7th Div.

Secretary to Government D.P.W.

Sir

I have the honor to submit copy of a letter
No. 986 of 15 April from the Assistant Executive Engineer Coonoor
Enclosures 2.

Range Shewing, as I think, good cause why the
sanction for rebuilding the Irrity Bridge below
Perambudichy should be traced from Rupees
16,800, to Rupees 23,114 - of the total excess of Rupees
6,314, Rupees 4,100 is under the head Masonry, where
of Rupees 2,100 is caused by additional work to be
performed; which could not have been foreseen;
leaving Rupees 2,000 due to increase of rate - ^{50%} the
latter cause is also attributable an increase of Rs
1,327 in the item of Timber; and the remaining Rs
900 is put down to Superintendence and Sundries,
in proportion.

2 As to masonry, Captain Norton appears to be
using stones about six times the size of ordinary
Latterite stones, and considering the unhealthiness of
the Bridge site his rate of Rupees 22 cannot be
called excessive; while that for timber is still mo-
derate. The estimated rates were given by Mr
Bailey who held charge of the Range for only a
few months.

3 The necessary funds for completion of this
important work, which must not be deferred through
another Monsoon if it can possibly be avoided, will
have to come out of the Reserve of 1865-66, there
being

Submitted to Division

Enclosure in a letter from

The Superintending Engineer 7th Div.
to the Secretary to Government D.P.W.
No. 330 of 25 April 1865

1577 1497/65

From 15 May 1865 1577 1497/65

was auctioned in

No 1320

Proceedings of the Madras Government
Under date the 15th May 1865
Read the following

From the Superintending Engineer
7th Division

Requests to increase
the amount of Estimate
of Arviy Bridge from 16,800
Rupees to 23,114 and explain
the cause of such excess.

(Here enter 25th April 1865
No 330)

Recd this letter from
Superintending Engineer
7th Division submits one
from the Executive Engineer
in charge of the Cannanore
Range regarding the
timber bridge now being
rebuilt near the Arviy
river on Trunk Road
No 4 in the Malabar
District, the work con-
nected with which
was sanctioned in

[Handwritten signatures and initials]

Mr 1497/65

Enclosed is a letter
from the Superintending
Engineer 7th Division
relating to Govt. No 1320
of 25th April 1865.

Submitted showing the
differences between the
sanctioned estimate and
the work in progress to the
Executive Engineer.

Forwarded by 150 - 25th 310.

A sum of \$5,628
has been provided for
the bridge in the
current Texas Budget
and the Superintendent

Engineers will be requested
to report later in the
year whether the ~~disposal~~
balance of the unused
petroleum can be used
by transfers from the
allotments for other
New Works—

~~#~~2314-



4. The Sup: Ex: 27 Drini ✓
 — " Ex: 28 Drini ✓
 — " Ex: 29 Drini ✓

Leaf 16th May-

P.W. 1865 Department
Pro: of Govt. for May

No 1320.

Pro: of the Madras Govt.

15th May 1865

The revised estimate
amounting to Rs 23,114 for
rebuiding the timber bridge
over the Pribby river on Frank
Road at St. Malabar Dist.
Dated 15th May 1865.