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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1503

Press
Mis.

Dated

11-6-1863.

Not to be folded or roughly handled

No. 252. Read the following letter from Lieutenant-Colonel E. HEMERY, R. E.,
Superintending Engineer 3rd Division, to Colonel W. I. BIRDWOOD, R. E., Secre-
tary to Government, Department Public Works, dated Madanapalle, 18th May 1863,
No. 6:—

SIR,

1 Plan.
1 Revised Abstract of Estimate.
1 Statement of Estimates sanctioned.
1 Report.

1. I have the honor herewith to forward a revised Plan
and an Estimate amounting to Rupees 28,110 for a bridge of
9 arches of 36 feet span over the Baboo Naddi in the 54th
mile, on Trunk Road No. XI, between Cuddapah and Vellore.

2. The site of the proposed bridge is about five miles south of Kalkadda in the Kalkadda
Taluk of the Cuddapah District, near a village marked on the map "Mahomudpur," but known
locally as "Mahal."

3. The original Estimate for this bridge, amounting to Rupees 13,634, was included in the
aggregate sum of Rupees 1,28,753 sanctioned by the late Court of Directors on the 24th August
1857 for bridges and tunnels on Trunk Road No. XI; the Estimates were prepared by the late
Road Department in 1855, at a time when a Railway through the District was hardly even
contemplated, and when rates of labour and materials were from 50 to 100 per cent. less than at
present.

4. I have repeatedly brought to notice the inadequacy of these Estimates, and Government
have sanctioned, from time to time, revised Estimates for several bridges on this road, and
deviations from the original designs as shown in the accompanying statement.

5. The bridges from Cuddapah to Royachoti are either completed or in progress, and the
next work of that description which should be undertaken on Trunk Road No. XI is a bridge
over the Baboo Naddi in the 54th mile.

6. Lord Harris, late Governor of Madras, was detained seven hours on the bank of this river
in September 1856, and in paragraphs 43 and 44 of his observations on his tour in the Provinces,
his Lordship remarked on the great inconvenience caused by the want of bridges over the rivers
along this line of road.

7. On the 8th June last year, after a heavy thunderstorm, I found the river full from bank
to bank; upwards of a hundred carts laden with Cotton were waiting to cross until the water
fell, when by yoking three pairs of bullocks to each cart they were able to get them over.

8. The excess of the revised over the original Estimate is owing to several causes besides
the rise in rates of labour and materials.

9. The original plan only allows a depth of 6 feet for foundations, whereas I have ascertained
by boring that rock is to be found, on an average, 9 feet below the bed of the river; I have
therefore added 1 yard to the foundations which will then rest on rock. The item for centring
in the original Estimate, Rupees 1,080 or Rupees 120 for each arch is utterly inadequate; in the
revised Estimate I have entered the actual cost of similar centring for other bridges lately
constructed on the same road; whilst the approaches were altogether omitted from the original
Estimate.

10. I propose devoting a portion of the sum of Rupees 10,000 entered in the Local Fund
Budget of 1863-64 for bridges and tunnels on Trunk Road No. XI, item No. 34, to the collection
of materials for this bridge, so that the work may be commenced in December next, provided
always that the revised Estimate meet with the sanction and approval of Government.

*Proceedings of the Madras Government, Public Works Department,
11th June 1863.*

No. 253. ORDER THEREON, 11th June 1863, No. 1,503.
As the North West Line of Railway will be completed to Cuddapah in the course of the next year, and as the quickest and shortest route for Vellore to Cuddapah will be by rail via Arcotum, the Government are unwilling to sanction so large an expenditure.
(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

Abstract

Quantity	Description of work	Rate	Amount	Total
3094 5/8	Cubic yards stone in chumam	4	12376	11 10
2646	do first Brick do	" 2	330	12
22869	do brickwork brick in chumam	" 3	4287	15
812	Copards Rough stone flooring	" 4	153	...
1299	By 4/100 Binding to stone work	" 2	150	14
1553	do do brickwork	" 2	415	12
7848 1/2	by do Earthwork	" 2	987	8
2334	do excavating foundation with baling	" 8	1167	...
725	do do without baling	" 2	90	10
2490	By 4/100 do do	" 2	211	4
348	do do	" 1	21	10
4	Guard stones	1	4	...
18	Grate	1	18	...
<i>Contractors</i>				
1300	Cubic yards Pillars stone in Chumam	3	4068	...
	Timberwork for 4 arches	230	920	...
	Taking down and refitting up the same for 5 arches	50	250	...
				25556 9 6
	Surveys at 5 percent			1275 6 6
	Superintendence at 5 percent			1278

Total Rupees 28,110

*Camp Arcotamapalle
Supt of Engineer's Office
18th May 1863*

*Channarayana
Supt of Engineer
13th Division*

Supdy. Inquiries
3^d Edition

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Willems Groen

Fuller House Sept 9

1503

Proceedings of the Madras Government

Under date the 14th June 1863

Read the following
from the Superintending En-
gineer S^d Division.

Requests the sanction of
Government for the accompanying
estimated plan and estimate amount-
ing to Rs 22110 for a bridge
of 9 arches of 36 feet span over
the Baloo. Suddi in South
N. XL in the Cuddalore District.

Approved 18th May 1863

As the N. W. Line
of Railway will be completed
to Cuddalore in the course of
the next year and as the
quickest and shortest route
for Vellore to Cuddalore will
be by rail via Arcot
the Government are un-
willing to sanction so-
largo

large an expenditure.

11.5

To The Supg Engineer

3^d Division & With 2 Enalors. Recd^d 12th June.

v. 252-253.

Q. 111 9/15 1893 See line 15
- Long for line 1

v. 253.

Specimens of the elements
- elements.

See line 15 1893.