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G.O. No. <u>3817</u>	Press ☐
<u>379-380</u>	Mis. ☒
Dated <u>20-12-</u>	<u>1965.</u>

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
20th December 1865.*

No. 379. Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Department Public Works, dated Salem, 2nd December 1865, No. 29:—

- 1 Plan.
- 1 Survey of Mullataur.
- 1 Abstract Estimate.
- 1 Specification.

1. I have the honor to forward, for the sanction of Government, an estimate of Rupees 5,030 with plans and specification for constructing a road-way

across the Mullataur on Trunk Road No. 8, in the South Arcot District.

2. An estimate of Rupees 42,670 for a large bridge across this river was prepared in the time of the Road Department, and was entered in the Budget of 1858-59, but before the work was commenced I ascertained that so large a bridge was not required, and forwarded a revised estimate of only Rupees 16,300, which was approved by Government in Proceedings of the 6th November 1858, No. 2,345.

3. The Mullataur is a branch of the Pooniar, and, from the appearance of its bed, the greater part of the water must once have flowed down this branch. But this has long ceased to be the case, and in 1856 it became necessary to cut a new head to the Mullataur for the better supply of several irrigation channels led from it. In 1861 an anicut was built across the Pooniar, and a sluice in a line with it, at the head of the Mullataur. The latter has thus been converted into an irrigation channel, and the quantity of water entering it is completely under control. A smaller bridge even than that proposed by me in 1858 would therefore now serve.

4. But it is not the quantity of water in the Mullataur that is now the obstruction to traffic, but the wide expanse of sand forming the old bed of the river, and an unbridged drainage channel at one side. The estimate now forwarded for sanction is for building a bridge of one arch of 24 feet across the drainage channel, and forming a gravelled embankment across the bed of the Mullataur with an opening in it of 80 yards for the passage of the water.

5. Trunk Road No. 8 (Madras to Trichinopoly) is the most important road in South Arcot. It is crossed by three large rivers, the Pooniar, Mullataur, and Guddilum. Bridges for all three have been sanctioned, but not commenced. It may not now be expedient to incur the great expense of bridging two of the rivers, but as the obstruction caused by the Mullataur is quite as great as that caused by either of the others, and can be removed at the moderate cost of Rupees 5,030, I forward the estimate for sanction, and recommend its entry in the Budget of 1866-67.

No. 380. ORDER THEREON, 20th December 1865, No. 3,819.

CIVIL WORKS, No. 59.

Procs. No. 1,498, dated 22nd August 1856.

1. In August 1856, the Government approved of an estimate of Rupees 42,670 for the construction of two bridges over the Mullataur on the line of Trunk Road No. 8, in the South Arcot District. These bridges were proposed to be of 22 and 6 arches, respectively, of 30 feet span, connected by a raised causeway, but it having subsequently been found that the water-way could with safety be considerably diminished, a plan and estimate of

*Proceedings of the Madras Government, Public Works Department,
20th December 1865.*

Rupees 16,300 for a single bridge of five arches of 45 feet were prepared, and the Chief Engineer was instructed to submit them as soon as the restriction on expenditure should be removed. This, however, does not appear to have been done, and the Superintending Engineer of the 5th Division now submits an estimate of Rupees 5,030, in which provision is made for the erection of a bridge of one arch of 24 feet, and the formation of a gravelled embankment. Lieutenant-Colonel Foord states that since the construction in 1861 of an anicut across the Pooniaur, and a sluice at the head of the Mullataur, the latter has been converted into an irrigation channel, and that, as the quantity of water which enters it is completely under control, the small bridge and embankment which he now recommends are all the works that are required.

2. Under these circumstances the Governor in Council directs that the estimate of Rupees 16,300 be cancelled, and authorizes the entry in the out-going Budget of the revised estimate amounting to Rupees 5,030.

(True Extract.)

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

To the Superintending Engineer, 5th Division, with Survey and Report.
,, Controller of Public Works Accounts.
,, Accountant General.

Exd. S. T. Augustin.

No 29.

Superintg Engineer's Office 5th Div.
Salem 2nd December 1865

From,

Lieut. Col. C. A. Foord R.E.

Superintending Engineer
5th Division

To,

Colonel C. A. Orr R.E.

Secretary to Government
D. P. W.

Sir,

Enclosures

1. Plan

1. Survey of
Mullataur

1. Abstract
Estimate

1. Specification

I have the honor to forward for the sanction of Government an estimate of Rupees 5,030 - 0 - 0 with plans and Specification for constructing a road way across the Mullataur on Trunk Road No 8 in the South Arcot District.

2. An Estimate of Rupees 42,670 for a large bridge across this river was prepared in the time of the Road Department, and was entered in the Budget of 1858/9, but before the work was commenced I ascertained that so large a bridge was not required, and forwarded a revised estimate of only Rupees 16,300 which was approved by Government

in

in Proceedings of the 6th November/58 No 2345.

2 The Muttatar is a branch of the Pooniar, and, from the appearance of its bed, the greater part of the water must once have flowed down this branch. But this has long ceased to be the case, and in 1856 it became necessary to cut a new head to the Muttatar for the better supply of several irrigation channels led from it. In 1861 an annicut was built across the Pooniar, and a sluice in a line with it, at the head of the Muttatar. The latter has thus been converted into an irrigation channel and the quantity of water entering it is completely under control. A smaller bridge even than that proposed by me in 1858 would therefore now serve.

3 But it is not the quantity of water in the Muttatar that is now the obstruction to traffic, but the wide expanse of sand forming the old bed of the river, and an unbridged

unbridged drainage channel at one side. The estimate now forwarded for sanction is for building a bridge of one Arch of 24 feet across the drainage channel and forming a gravelled embankment across the bed of the Muttatar with an opening in it of 80 yards for the passage of the water.

4 Trunk Road No 8 (Madras to Trichinopoly) is the most important road in South Arcot. It is crossed by three large rivers the Pooniar, Muttatar and Guddilum. Bridges for all three have been sanctioned but not commenced. It may not now be expedient to incur the great expense of bridging two of the rivers, but as the obstruction caused by the Muttatar is quite as great as that caused by either of the others and can be removed at the moderate cost of Rupees 5,030.0.0 I forward the estimate for sanction and recommend its entry in the Budget of 1866/67.

I have the honor to be
Sir
Your Most Obedient Servant
Edw Ford Esq M.A.
Superintending Engineer

New Work

Communication

Abstract Estimate No. of 1865/66
South Arcot District. No. III Range

Work. Estimate of the probable cost of forming a Road way and embankment on the bed of the Malatam and constructing a Bridge across the Gormann drainage and Neerapermanellur Spring Channels in the 107th and 108th mile of Trunk Road No. 8.

Description of Work	Rate	Amount	Total
<u>Roadway and embankment</u>			
14,223 3/4 Cubic yards of Earthwork	per cu yd. 1	2,103 7	1 10
247 1/4 " " of Gravel	" " 1	2,471 1	9
39,323 1/4 Square yards of Surfing	per sq yd. 9	154 5	2
Total Roadway and embankment			3692 8 9
<u>1 Bridge of 18 feet span</u>			
302 1/4 Cubic yards of Brick in Chumam	per cu yd. 3	925 3	5
600 " " of " " " "	per cu yd. 2	103 2	"
21 1/2 Squares of plastering	per sq yd. 2	52 12	"
38 2/3 Cubic yards of Gravel	per cu yd. 1	38 10	8
605 " " of Earth work for excavating foundation	" " 1	3 47	4 3
296 2/3 " " of Earth work for filling in	" " 1	18 8	3
Centerings	" " "	100	" "
Total Bridge			1285 8 7
			51 14 8

Sundries
 Charles Leade
 Collector of South Arcot

Total Estimate Rupees 5030
 Rupees Five thousand and thirty only
 Signed / W. C. C. Stoddard
 Supervisor No. III Range S. Arcot

Superintg. Engineers office 5th 10th
 Salem 13th November 1865.

Ed And Lt Col R. G.
 Superinty Engineer 5th R. G.

Recd. from 1858 Nov 11-12
 28 3/4 " " " 1-1
 22 1/4 " " " 33-34
 8 1/2 " " " 17-18

1865 Dec 23
 10. 15. 1865 for 1865
 11. 19. 1865 4816

To
 The Secretary to
 Government
 5th Division

Date 23
 Received 4
 No 29
 Enclosures 4.

Submitting for sanction
 and estimate amounting
 to Rupees 5030 for con-
 structing a Road way
 across the Malatam and
 Neerapermanellur Spring
 Channels No. 8 in

South Arcot
 No 3819. 20 Dec 1865

C. 114, 28 Dec 1865-20. 1871

Public Works Department
Proceedings of the Madras Government
Under date the 20 Decemr 1865
Read the following

From
 The Supt^r Engineer
 of the 5th Division

Submitting for sanction an
 Estimate amounting to Rs 5030
 for constructing a Roadway a-
 cross the Mullatar on Trunk
 Road No 8 in South Arcot.

(Here enter 2^d December 1865
 No 29)

Rev 151498 of 22 Aug 1866

In August 1856, the Government
 approved of an estimate of Rs 42,670
 for the construction of two
 bridges over the Mullatar on
 the line of Trunk road No 8
 in the South Arcot District.
 These bridges were proposed to
 be of 22 and 6 Arches, re-
 spectively, of 30 feet span,
 connected by a raised cause-
 way, but it having subse-
 quently been found that
 the waterway could with
 safety be considerably
 diminished, a plan and
 estimate for a single bridge

WDE
gld

South Arcot District

No III Range

Communication

Public Works

Abstract Estimate No of 1856

99772915/185

With Estimate of the
 probable cost of forming
 roadway and subank-
 ment in the bed of the
 Mullatar between and con-
 structing a bridge across
 the German drainage
 and Vengalimudra
 Spring channels in the
 17th and 18th mile of
 Trunk Road No 8.

Estimate Rs 5030

Proc. 20th Dec 2/15-1865

of 5 bridges of 45 feet wide prepared, and the Chief Engineer was instructed to submit them as soon as the restriction

on expenditure should be removed - This, however, does not appear to have been done, and the Superintendent Engineer of the 5th Division now submits an estimate of £5,030, in which provision is made for the erection of a bridge of one Arch of 24 feet and the formation of a gravelled embankment - Lieut Colonel Ford states that since the construction in 1861 of an Aqueduct across the Poonian, and a sluice at the head of the Mulletan, the latter has been converted into an irrigation channel, and that, as the quantity of water which enters it is completely under control, the small bridge and embankment which he now recommends are all the works that are required -

note G.O. No 2345
9/6/1880

This is a common drop from 140 feet waterway to 225 and from 225 to 240

W.W.

Under these circumstances the Governor in Council directs that the estimate of £16,300 be cancelled, and authorizes the entry in the outgoing Budget of the revised estimate amounting to £5,030 -

Fort St George }
20th Decr/85

W.B.

6 by the Sup Eng = 5 from the Survey and Report
4 - Controller of Public Works
3 - Accountant General

23
4

Decr 21st December

to 1866 Dept
No. of Govt for Deer

No. 3819

No. of the Mount
to 1866 Dept for Deer

Bridges across the Millatawa
on Trunk Road No 8 South
West District. Authority
granted for the revised estimate
amounting to \$5020
for the erection of - being
entered in the Budget of
1866-67

No. 379. 300

C. 11 Deer 1865 to 1866