

(1) Number of pages 6
(2) Date of repair 2-6-38
(3) Initials of the Referencer J

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.
Secy. to Govt.

G.O. No.	<u>806</u>	Press
		Mis.
<u>42-43</u>		
Dated	<u>5-4</u>	18 <u>57</u>

Not to be folded or roughly handled

No. 42. Read the following letter from Colonel C. E. FABER, Chief Engineer ; to J. D. BOURDILLON, Esq., Secretary to Government, dated 24th March 1859, No. 8963.

SIR,

I have the honor to submit, for the consideration of Government, the accompanying copies of letters* received from the Collector and District Engineer of Trichinopoly, regarding the present state of the Cauvery Bridge, near that Town on Trunk Road No. 8.

* Nos. 58 and 1756, dated 12th and 10th March 1859.
1 Copies of letters.
1 Abstract Estimate.

2. On the 15th January 1859, Rupees 5,500 were sanctioned on an Estimate forwarded by Captain F. Moberly then District Engineer, for the repairs that to him appeared immediately necessary to secure the safety of the Bridge.

3. Since that time the water in the River having subsided, the full extent of the damage done by the heavy floods of October last, has become apparent and Captain Oakes has carefully examined the work, and his letter fully details the injuries sustained and the urgent necessity for immediate repair.

4. The Collector's letter fully concurring in Captain Oakes's opinion of the urgency of the case, being also before Government, I have the honor to solicit immediate sanction for the whole amount viz. Rupees (6,700) six thousand and seven hundred.

5. I feel so strongly convinced of the danger of delay, that I have ordered the execution of the work to the full amount and which, I hope will meet with the approval of the Government.

Letter from J. BIRD, Esq., Collector of Trichinopoly; to Colonel C. E. FABER, Chief Engineer, dated 12th March 1859, No. 58.

SIR,

At the instance of the District Engineer, I do myself the honor to transmit you a letter from him with Estimate for the repair of the great Bridges across the Cavary at Trichinopoly on Road No. 8.

2. I have countersigned the Estimate amounting to Rupees 6,700, in token of my entire concurrence in its necessity.

3. Captain Oakes's letter explains the nature of the injuries sustained, and the absolute emergency of the repairs to this Bridge; I trust no time may be lost in according sanction, as the working season is far advanced, and freshets may be looked for in all April.

From Captain R. F. OAKES, District Engineer; to Colonel C. E. FABER, Chief Engineer, dated Trichinopoly, 10th March 1859, No. 1756.

SIR,

I have the honor to inform you that on Friday last I examined the Bridge of 32 arches across the Cavary on Road No. 8.

2. The rough stone flooring under the first 4 arches commencing from the Southern Bank is only partially injured but of an 8 yard apron only 4 yards, exist and there is a hole of from 5 to 8 feet in rear of the apron.

3. The flooring and apron of Arches 5, 6 and 7, have been completely washed away, and also the retaining wall (this I am told was done in 1853,) and the bed of the River is scooped out from $1\frac{1}{2}$ to $4\frac{1}{2}$ below the level of the foundation. Water is at present flowing through these Arches at a depth of from 2 to $5\frac{1}{2}$.

4. The 7th and 8th piers have been considerably injured, and require to be under pinned, a species of buttress to protect No. 8, has been washed away. No cracks appear in the Arches themselves, but the backing and parapets are much cracked. The retaining walls of Arches 8-9 and 10, appear to have been washed away.

Fort Saint George, Public Works Consultation of 5th April 1859.

5. Pier 11, has been a great deal injured, and requires under pinning cracks appear the parapets and backing above 12 13 and 14 Arches.
6. A Tree rested under 8 and 14 Arches round which small islands formed, the piers appear to be a little shaken and will have to be examined.
7. Pier 31 or 1, from North end is much injured, there is a very ugly crack in it which runs from the foundation to a height of about 4 feet above but there are no cracks in the Arches above, 6 Arches from the North end require rough stone flooring and apron.
8. Deep holes have been scooped out under the 5th and 6th Arches, laying bare the foundations of the piers which have been partially injured, this has been effected by the direction of the stream having been diverted by a small stone jetty about 250 yards, above the Bridge on the North Bank this jetty probably protects the North wing but it throws the water across the Bridge, and scours away the sand in front of the first 6 piers.
9. The West wings are considerably undermined especially that at the South approach in front of which there is a hole from 5 to 10 feet in depth, both these wings will require under building.
10. The head of a small jetty on the North Bank has been washed away, this will have to be renewed. The jetty is now at right angles to the Bank, I propose giving it a slope directing it towards the 8th Arch.
11. The bed of the River under the Arches from 12 to 26, is from 3' to 5½' above the foundations of the piers, or from 7' to 4½' below the spring of the Arches.
12. The Estimate herewith forwarded exceeds that submitted by Captain Moberly, on the 27th December, by Rupees 1,200, which I request may be sanctioned.

No. 43. ORDER THEREON, No. 806; dated 5th April 1859.

The Governor in Council is not aware why this repair Estimate is sent up for sanction. If the sanction of Government is necessary under the Rules, the Chief Engineer will be requested to quote the Rule.

(Signed) J. D. BOURDILLON,
Secretary to Government.

Trichinopoly District Moosury Collectors' Circuit
Cutcherry. 12th March 1859.

N^o 58

From

J. Bird Esquire
Collector of Trichinopoly

To

Colonel G. E. Faber
Chief Engineer D. P. W.
Fort Saint George

Sir,

At the instance of the District Engineer, I do myself the honor to transmit you a letter from him with Estimate for the repair of the great Bridge across the leavay at Trichinopoly on road N^o 8.

2. I have countersigned the Estimate amounting to Rupees 6700, in token of my entire concurrence in its necessity -

3. Captain Cakes's letter explains the nature of the injuries sustained, and the absolute emergency of the repairs to this Bridge; I trust no time may be lost in according sanction, as the working season is far advanced, and freshets may be looked for in all -

April

April. -

Trichy Dist. Mooney
Collector's Receipt Cutchery
12th March 1859

I have seen
Signed J. Bird
Collector

N^o 1756

From

Captain R. J. Calles

District Engineer

To

The Chief Engineer D. P. W.

Sir,

I have the honor to inform you that on
Friday last, I examined the Bridge of 12
arches across the Levery on road N^o 8.

2 The rough stone flooring under the first
4 arches Commencing from the Southern Bank is
only partially injured - but of an 8 yards apron only 4
yards exist and there is a hole of from 5 to 8 feet in
rear of the apron.

3 The flooring and apron of arches 5, 6,
and 7 have been completely washed away, and also
the retaining wall (this I am told was done in 1853)
and the bed of the river is scooped out from $1\frac{1}{2}$ to $4\frac{1}{2}$
below the level of the foundation. Water is at present
flowing through these arches at a depth of from 2'

to

to $5\frac{1}{2}$.

4 The 7th and 8th Piers have been considera-
bly injured, and require to be underpinned, a
species of buttress to protect N^o 8 has been washed
away - no cracks appear in the arches themselves,
but the Backing and parapets are much cracked.
The retaining walls of arches 8, 9 and 10 appear
to have been washed away.

5 Pier 11 has been great deal injured, and
requires underpinning - cracks appear in the para-
pets and backing above 12-13, and the arches -

6 A tree rested under 8 and 11 arches and
which small islands formed - the Piers appear to be
a little shaken and will have to be examined -

7 Pier 31 or 1 from north end is much injured,
there is a very ugly crack in it which runs from the
foundation to a height of about 4 feet above but there
are no cracks in the arches above, 6 arches from the
north end require rough stone flooring and apron.

8 Deep holes have been scooped out
under the 5th and 6th arches laying bare the founda-
-tions of the Piers which have been partially
injured - this has been effected by the direction
of the stream having been diverted by a small
stone jetty about 250 yards above the bridge
on the north bank this jetty probably protects

the

the north wing but it throws the water
across the Bridge, and scours away the
sand in front of the first 6 Piers.

9. The west wings are con-
siderably undermined especially that at the south
approach in front of which there is a hole from 5 to 10
feet in depth - both these wings will require underpinning.

10. The Head of a small jetty on the north
bank has been washed away - this will have to be
renewed. The jetty is now at right angles to the bank,
I propose giving it a slope directing it towards the 8th arch.

11. The bed of the river under the arches from
12 to 26 is from 3' to 5½' above the foundations of the
Piers, or from 7' to 4½' below the spring of the arches.

12. The Estimate herewith forwarded exceeds
that submitted by Captain Moberly on the 27th December
by Rupees 1200, which I request may be sanctioned -

Trichinopoly } I have &c.
Dist^l Eng^r Office } Signed (C. J. Charles) Captain
10th March 1859 } District Engineer.

True Copies/

W. B. B. B. B. Major
Superintending Engineer S. Circle.

Public (roads) [New Work]
 Abstract of Estimate No. of 185 / 5
 Road No.
 District Trichinopoly
 Work. Repairing Bridge on Road No. 8 over the Cauvery.

Quantities	Description of Work	Rate	Amount	Amount for each part
		R ^s a ^s p.	Rupies	Rupies
C. Mds.				
1152	Cft of Brick in Churnam	1 4	96	
135	Cyds of Stone in Churnam	1 12	236	
5364	Cy of Rough Stone	1	5364	
664	Sup of Plastering in Churnam	1 8	10	
	Excavating to Examine foundation of piers	" "	100	
	Filling cracks	" "		
	Sundry repairs to existing aprons	" "	100	
	Baling and forming channel to drain water	" "	500	
	Extra Establishment and Sundries	" "	291	
			Total Rupies	6700

Central Office of P.W.
 Fort Saint George.
 24th March 1859

Resd. Col. Chief Engineer P.W.

Endorsement in as follows
 from the Chief Engineer
 to
 The Secy. to Govt. P.W.
 Dated 24th March 1859
 Received
 No 8963
 To the Secy. to Govt. P.W.
 on the subject of the repairs
 of the Cauvery Bridge and its
 working upon its state.

<i>Quantities</i>	<i>Description of Work</i>	<i>Rate</i>			<i>Amount</i>	<i>Amount for each part</i>
<i>C. Mds.</i>		<i>R^s</i>	<i>d^s</i>	<i>p.</i>	<i>Ruppes</i>	<i>Ruppes</i>

Enclosure
In a letter
From
The Chief Engineer
S. P. W.

0000701/59
To
The Secretary to Govt.
S. P. W.

Dated 24th March 59
Received

N^o 8963

Abstract Estimate for
Repairing Bridge over the
River Cavery on Road N. 8 in
the District of Trichinopoly

Amounting to Rs 6700

Central Office of P. W.
Fort Saint George
24th March 1859

N^o 8963
From
The Chief Engineer
To
The Secretary to Government
Public Works Department

Sir,
I have the honor to submit, for
the consideration of Government, the accompanying
copies of letters received from the Collector and
District Engineer of Trichinopoly, regarding the
present state of the Cavery Bridge near that
Town on Trunk Road N^o 8.

* No 587/56
2/23/59 March 59
Enclosure - 2
1 Copy of letter
1 Abstract Estimate

2
On the 15th January 1859, Papers
5500 were sanctioned on an Estimate forwarded
by Captain P. Noble, then District Engineer
for the repairs that to him appeared immediately
necessary to secure the safety of the Bridge.

Since that time the water in
the river having subsided, the full extent of the
damage done by the heavy floods of October last
has become apparent and Captain Oakes has care-
fully

carefully examined the work and his letter fully details the injuries sustained and the urgent necessity for immediate repair.

4 The Collector's letter fully concurring in Captain Oakes' opinion of the urgency of the case, being also before Government, I have the honor to solicit immediate sanction for the whole amount viz Rupees 16,700/ Six thousand and seven hundred.

5 I feel so strongly convinced of the danger of delay, that I have ordered the execution of the work to the full amount and which I hope will meet with the approval of the Government.

Port Saint George }
24th March 1859 }

I have the honor to be,
Sir,
Your Most Obedt. Servant,

A. E. Butler Colonel
Chief Engineer

To
The Secretary to Government
Public Works Department

Copy 111

Cons: 25 January/59 of A-38-39

PA 3579 Department of
Cons 571 & 7101

Thomas D. M. P. Engineer
of the Academy to West
of the

Dist. 24th March 1859
Received 25

From 22/18 of 1859
to 1958 of 1859
to 1806 of 1859
of 1806 of 1859
of 1806 of 1859

1859

26th March 1859

an estimate amounting to
of 1806 of 1859, for repairing the
on road No 8 in the District
of the Academy, and, to show
that the Academy has
been ordered, to secure the work
with an order

18-806

The Governor and

Council is not aware of any
the repair estimate is sent up
for sanction. By the sanction
of Government is necessary and
the rules, the Chief Engineer
will be requested to quote
the rule.

1859

From 1859 of 1859
to 1859 of 1859
to 1859 of 1859

1859