

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	1385	Press Mis.
Dated	12-7-1857	

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 13th July 1858.

No. 73. Read the following letter from Major E. LAWFORDE, Officer in charge of the Central Office of Public Works; to W. H. BAYLEY, Esq., Acting Secretary to Government, dated 7th June 1858, No. 915.

Sir,

With reference to Extract Minutes Consultation No. 1553, dated 1st September 1856, sanc-

tioning the completion of the road from Poonamallee to Avady, I have the honor to request you will lay before Government, the accompanying revised Plan and Estimate of a Bridge across the river Cooum on the line in question.

2. The original Estimate for this Bridge was Rupees (8,390) eight thousand three hundred and ninety, and the present one being Rupees (10,600) ten thousand and six hundred, the additional amount requiring sanction is Rupees (2,210) two thousand two hundred and ten.

3. The cause of this excess is, that Lieutenant Moberly now proposes to build the foundations of the Bridge on wells, and to add retaining walls, and a flooring, explaining that he did not know the sandy nature of the soil when his first estimate was framed, nor appreciate the danger arising from the absence of retaining walls and flooring.

4. Without intending to justify Lieutenant Moberly's omission of what I have long considered essential parts of the substructure of bridges on sandy soils, I am bound to state that a revised plan was prepared in this Office in January 1856 for his guidance which did not shew retaining walls or flooring, and there is no doubt that many bridges stand without such protection which nevertheless I would never omit.

5. There are some differences of price in the two estimates but not such as to affect the amount materially.

6. As there can be no doubt of the advantage not to say necessity of adopting the present modification of the plan and Estimate, I beg to recommend the amount viz. Rupees (2,210) two thousand two hundred and ten for early sanction.

No. 74. ORDER THEREON, No. 1335; dated 12th July 1858.

* Extract Minutes of Consultation, No. 1553.

† Vide No. 201, (No. 391 of Statement No. 2, of the Budget for 1858-59.) On the 1st September* 1856, the Government sanctioned for entry in the Budget† of 1857-58, an estimate amounting to Rupees 18,840, for constructing a road from Poonamallee to the Railway station at Avady in the Chingleput District, and in consideration of the importance of the line, it was excepted from the restrictive orders in Extract Minutes of Consultation, dated 6th March last, No. 400. The estimate it is observed, included an Item of Rupees 8,390, for a bridge across the Cooum river.

2. With his letter above recorded, the Officer in charge of the Central office, submits a revised estimate for this bridge, amounting to Rupees 10,600, and observes that the excess expenditure of Rupees 2,210, is owing to no provision having been made by Lieutenant Moberly in the original estimate, for certain works which Major Lawford considers to be "essential parts of the substructure of bridges on sandy soils;" viz., well-foundations, retaining walls and flooring. It is further stated, that a revised plan of the bridge prepared in the Central Office, in January 1856, for Lieutenant Moberly's guidance, did not shew the retaining walls or flooring. This state of things is far from satisfactory, and the Government have no alternative in the present instance, but to sanction the additional outlay of Rupees (2,210) two thousand, two hundred and ten, applied for; and they accordingly do so, under

† Page 371 C. O. Book.

the provisions of No. 1, of the rules communicated with Colonel Batters Letter dated 1st August 1856.

(Signed) T. PYCROFT,

Chief Secretary.

27/1 (Hind. B. L. 10/10/10)

'Cable'

N. 9/15

Central Office of P. W.
Fort Saint George,

'Bridges'

From, 7 June 1858.

The Officer in charge of the
Central Office of P. W.
The Secretary to Government
P. W. D.

Sir,
With reference to Ex. Min. Cons. N. 1553, dated

1st September 1856, sanctioning the completion of the
Road from Panamallee to Puduk, I have the honor
to request you will lay before Government the ac-

companying Revised plan and Estimate of a Bridge
across the river Cooum on the line in question.

2 The original Estimate for this Bridge was
Rupees (8390) Eight thousand three hundred and
Ninety and the present one being Rupees (10600)
Ten thousand and Six hundred, the additional
amount requiring sanction is Rupees (2210) Two
thousand two hundred and Ten.

The

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3 The cause of this error is that Lieutenant
Roberty now proposes to build the foundations
of the Bridge on wells, and to add retaining walls,
and a flooring, explaining that he did not know
the sandy nature of the soil when his first estimate
was framed, nor appreciate the danger arising
from the absence of retaining walls and flooring.

4 Without intending to justify Lieutenant
Roberty's omission of what I have long considered
essential parts of the substructure of bridges on sandy
soils, I am bound to state that a revised plan was
prepared in this Office in January 1856 for his
guidance, which did not show retaining walls, or
flooring, and there is no doubt that many bridges
stand without such protection which nevertheless I
would never omit.

5 There are some differences of price in
the two estimates but not such as to affect the
amount materially.

As

1/2
6 As there can be no doubt of the
advantage not to say necessity of adopting the
present modification of the plan and Estimate,
I beg to recommend the amount viz. Rupees
(2,210) Two thousand two hundred and ten
for early sanction.

I have the honor to be,

Sir,

Your most Obedt. Servt.

Central Office of C. W.
Fort Saint George,
7th June 1858.

Lawford Major
Sup of Engineers in ch. of the
Central Office of C. W.

To,
The Secretary to Government C. W. D.

2210/18

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No 1335.

Extract from the Memoirs of Russell Stinson
under date the 12th July 1858. —

Read the following letter from the Officers in charge of the Central Office of D.W.

Here enter your name & age

* *Est. No 1553.*

* *in no 201 (No 391 of ~~the~~ No 2 of the Budget for 1858/59).*

On the 1st Sept^r 1856, the Govt sanctioned for entry in the Budget of 1857/58 an Estimate amounting to Rs 18840 for constructing a road from Porumallee to the Railway Station at Avadi in the Chingleput District, and in consideration of the importance of the line, it was excepted from the restriction observed in C.M. dated 6 March last No 400. The Estimate it is observed included an item of Rs 8390 for a

(Handwritten notes on lined paper)

Brown: 720/68 / 5d - No 52 V 58.
- 98 5/25 dgr - u - 119 V 118
- 92 1/2 dgr - u - 55 V 55
- 8 1/2 dgr - u - 28 V 29
- 7 1/2 dgr - u -
- 7 1/2 dgr / 5d - 44 K 15.

[illegible]

Dated 7th June 1856

24

Enclosed 2 +
C 16 3/4 1835 1844 Aug 1858
Submitting David Starr

and estimate of a bridge
across the lower river

the best from Cornwall

to Study and learn more

Revised 03/22/11

for easy motion of the arm

22. 12. 1912

a Bridge across the
Crown River.

2. With his letter above
referred, the Officer in
charge of the Central Of-
fice submits a revised
estimate for the bridge
amounting to Rs. 10,000 and
states that the ex-
penditure of Rs. 2210 is
owing to no provision having
been made by Lt. Moberly
in the Original Estimate
for certain works which
Major Sawford considers
to be "essential parts of
the substructure of bridge
on sandy soils," viz. well
foundations, retaining
walls and flooring. It
is further stated that a
revised plan of the bridge
prepared in the Central Of-
fice in January 1855 for
Lt. Moberly's guidance
did not shew the retain-
ing walls or flooring.

This

[Faint, mostly illegible handwritten notes in the left margin of the right page.]

⁹
This state of things is
far from satisfactory, and
the Govt cannot too often
~~impose on the Engineer~~
~~in the exercise of his~~
~~of care and forethought~~
~~in the preparation of Es-~~
~~timates.~~ They have no
alternative in the present
instance but to sanction
the additional outlay of Rs.
(2210) Two thousand two hun-
dred and ten, applied for,
and they accordingly do so
under the provisions of
No. 1 of the Rules com-
municated with Col.
Lake's letter dated 1st
August 1856.

10 (Returns to the Offr Chief Engr. D. 13)

10413

12. 12/15/58 52-53 499-30
 13. 12/16/58 54-55 111-118
 14. 12/17/58 55-56
 15. 12/18/58 28-29
 16. 12/19/58 41-45
 17. 12/20/58 61-62

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Ch. 1225

Accepted for me:

Sept 12th 1864

From the City & County of
St. Louis Aug 18 to 19 1851
1851

From Capt Campbell July 17
1853

I am leaving our estate
on Saturday at 12.10 for the
bridge across the Cornish Division
over the road from Penryn
to Newquay.

22673 674.

224²⁹ June 21st July