M.R.O. 1—82,400—22-11-39.

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1355 Press Mis.

73-74 Dated 12 7 1857

Not to be folded or roughly handled

No. 73. Read the following letter from Major E. LAWFORD, 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, sanctioning 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.

1. Revised plan
1. Abstract Estimate for Rupees 2,360.

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 additonal amount requirng 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 intendi ıg 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 the provisions of No. 1, of the rules‡ communicated with Colonel Barers Letter dated 1st August 1856.

‡ Page 371 C. O. Book.

(Signed) T. PYCROFT,
Chief Secretary.

'Cuttle'
'Rudges'

No. 915

From,

Central Office of P.W.

Fort Saint George,

7 June 1858.

The Officer in charge of the
Central Office of P.W.

To,

The Secretary to Government
of M.P.

Sir,

With reference to Esc: Instr: Cons: No 1553 dated 1st September 1856, sanctioning the completion of the Roads from Cannelkeu to Pudy, 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 (8390) 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.

The

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 show retaining walls or flooring, and there is no doubt that many bridges stands 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

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 Ob. Serv.

Lawford Major

Supt Engineer in ch. of the

Central Office of P.W.

Central Office of P.W.

Fort Saint George,

7th June 1858.

To,

The Secretary to Government P.W.D.

Rs 2,210-0-0

15

P.W. Dept.

No 1335.

1/

Extract from the Mins of Government under date the 12th July 1858.

Read the following letter from the Officer in charge of the Central Office of P.W.

Hereunder 7 June 58 cl. 16

On the 1st Sept. 1857, the Govt. sanctioned for entry in the Budget of 1857/58 an Estimate amtg to Rs 18540 for constructing a road from Gourimalle to the Railway Station at Road in the Chingleput District, and in consideration of the importance of the line, it was excepted from the restrictive order in C.M. dated 6th March last No 405. The Estimate as observed included an item of Rs 8390 for a

× Encl. No 1503.

* Item No 201 (No 391 of the Budget for 1858/59).

Rs. Rs. Rs.

of Sandy across the Grand River.

2nd Refer his letter above recorded, the Officer in charge of the Central Office submits a revised estimate for this bridge amtg. to Rs 19,000 and observes that the excess expenditure of Rs 220 is owing to two provisions having been made by Lt Mahony in the Original Estimate for certain works which Major Sanford considers to be "essential parts of the substructure of bridges on sandy soils, viz Mill foundations, retaining walls and flooring." He is further stated that a revised plan of the bridge prepared in the Central Office in January 1836 for Lt Mahony's guidance did not shew the retaining walls or flooring.

This

This state of things is far from satisfactory, and the Govt ~~cannot too often impress on the Engineer in Chief the necessity of care and forethought in the preparation of Estimates~~ They have no alternative in the present instance but to sanction the additional outlay of Rs (220) Two Hundred and twenty, applied for, and they accordingly do so under the provisions of No 1 of the Rules communicated with Col. Oakes's letter dated 15th August 1836.

* Page 371 C. D. Book

10 Copies to the Office Chief Engr Dist 13

W H B

Cons 2d Sept 57 No 52-53 & 29-30
26 Feby " 117-118
22d Sept " 55-56
8th July " 28-29
27 Augt " 45 " 44-45
6th March 58 " 61 & 62

Public Works 1858 Dept to
Dy to Cons: 13th July
C. No 1335.

Extract Minute of Cons
Dy 12th July 58.

From the Offg Chief Engr &
Dy 23d Sept 58 C. No 1631 in b.
From Chief Engr 2d Circ
Dy 26 July 57
C. No 1953.

Sanctioning an additional outlay of Rs 2,210 for the Bridge across the Coonin River on the road from Poonamallee to Avady.

No 73 & 74.

c24 Adams Ag. Surv