M.R.O. 1—77,006—8-6-37.

(1) Number of pages 10

(2) Date of repair 12.2.43.

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue Board DEPARTMENT.

G.O. No.	Press Mis.
Dated	18

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 7th October 1862.

No. 108. Read the following letter from Lieutenant-Colonel J. OUCHTERLONY, R. E., Deputy Chief Engineer, Southern Circle, to Colonel W. I. BIRDWOOD, R. E., Secretary to Government, Public Works Department, dated Madras, 25th September 1862, No. 181:—

SIR,

1 Plan.
1 Estimate.

1. In case Government should consider explanation called for regarding delay in the submission of the estimate for the Elk Hill viaduct, Coimbatore District, I beg leave to state that having called upon the Executive Engineer for a calculation of the cost of such portion of the work contemplated (chiefly wood work) as would have to be executed by him, the enclosed estimate (Rupees 2,913) has been transmitted to me. It is framed upon such extravagant data that to adopt it would quite upset the project; as, with wire, Mr. Faulkner's* salary, &c., it would run the total up to fully Rupees 4,000.

* Vide Proceedings of Government No. 1,878, dated 7th August 1862.

2. The rate charged for teak wood is Rupees 3¼ per cubic foot; and as all the straining posts, saddle pillars, struts, &c., may be formed with only partially dressed timber, I cannot conceive that with a fine Government Teak forest under 30 miles distance from the site of the work, by an excellent cart road, it can cost so much as two-thirds of that sum. There is an extensive stack of Government logs and slabs lying within a few hundred yards of the Elk Hill cutting; and I shall feel obliged if Government will empower the Conservator of Forests who has I believe the charge of it, to treat with me for a supply from that Depôt, at cost price.

3. In other details of my plan, especially as regards iron work, I have been greatly misunderstood; the estimate being for three times as much as I contemplated using. I trust therefore Government will be pleased to suffer the estimate to lie over until I can have an opportunity of visiting the locality and preparing it myself on the spot, which I trust I shall be able to do shortly when inspecting the new site for the Kulputty bridge in Malabar, and the unfinished work of the Valanthavalum bridge in Coimbatore.

4. I request that the estimate and plan herewith submitted, may be returned to me after scrutiny.

No. 109. ORDER THEREON, 7th October 1862, No. 2,398.

1. The Government approve of Colonel Ouchterlony's proposal to proceed to the Coimbatore District for the purpose of preparing the estimate for the proposed Elk Hill aqueduct. They also approve of his inspecting the other works mentioned in paragraph 3 of the foregoing letter, before steps are taken for their re-construction.

2. The latter part of paragraph 2 will be referred to the Revenue Department.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

Detailed Estimate No 11 of 1862-63

Kotacamund Neilgherry Range

Coimbatore District

Work Constructing and Suspending across the Elk Hill Cutting a Teakwood trough for the conveyance of water from the North side to the South side

Particulars		Measurements			
Wood work &c &c					
Two sides of Trough	380	2½	9½		62-8-1
Bottom of do	190	2½	6		19-9-6
End posts and Posts for straining plates at A and B	96	9	9		54-0-0
Cross pieces	12½	9	9		7-0-4
Posts ab C	72	9	9		40-6-0
Cross pieces to do	10½	9	9		5-10-10
King Posts to inverted trusses	30	9	9		16-10-6
Principals	32	9	9		18-0-0
Struts	16	6	6		4-0-0
Struts to Posts	42	6	6		10-6-0
Bottom pieces or Horizontal Struts	42	6	6		10-6-0
				Total Cft Timber	249-9
Iron trough to receive Ingots					1
Dovetailed Joints each Containing 4 bolts with Heads and Nuts Complete					240-
Bolts to frames of straining plates					12
Saddle Rollers					2
Plates with Coordinates for Suspension					9
" marked A					2
" " B					1

Brickwork Cisterns

Foundation and Bottom	8	8	2	128-
Walls	26	1	6	58-6-
Total for one				186.6-
do another				186 6-
Total Cft Brickwork				373 "

Plastering

Floor inside	5	5		25-
Walls do	20	1	6	30
Top Side of walls	26	1	6	39
Walls Outside	32	1	6	48
Total for one				142
do another				142
Total Sqre ft Plastering				284

Rough Stone for Waste Channel

Walls & 2 Sides	20	1	2.6	50
Bottom	10	3	1	30
				27/80
Total for one				3.
do another				3.
Total Cu yds Rough Stone				6.

Earthwork

Foundations

Waste Channel	8	8	2	128
	50	3	3	450.
				578.
Total for one				21 57/27
do another				21 57/27
Total Cu yds Earthwork				42 54/27

Earthwork for the Whole

6 Pools A B	60	5	3	900.
6 Receiving trough	12	20	10	2400.
				27/24900
Total Cu yds Earthwork				922 22/27

Abstract of Detailed Estimate No 11 of 1862-63-

Qty	Description of Charges.	Rate	Price	Amount	Total
9½	6 Cft Timber	3 4	pr Cft	811 11	
0	Iron Bolts	1 9	each	375 ..	
2.	" Straining plate frames	1 9	do	18 12	
2	" Saddle Rollers	38 ..	do	76 ..	
9	" Plates for Suspension	78 ..	do	702 ..	
2.	" " Marked A	72 ..	do	144 ..	
1	" " " B	216 ..	do	216 ..	
1	" Inlet trough	50 ..	do	50 ..	
3	Cft Brick in Chunam	40 ..	pr 100 Cft	149 32	
84	Sqre ft Plastering	10 ..	pr 100 Sft	28 64	
6.	Cu yards Rough Stone	3 12	pr Cu yd.	22 8.	
5	do Earthwork	" 2	do	120 10.	
1	Carpenter Mastry for 1 Month	25 ..	pr Mensem	35 ..	
1	Smith do do	25 ..	do	25 ..	2774 2
	Sundries Extra Establishments 5 per Cent			138 13	
	Total Estimate Rupees			2913 "	

Executive Engineers Office
Wellington
1st September 1862

Wm Mattieu Captain
Executive Engineer

E. W. Stuttgard S.C.
Assistant

No 151

Southern Circle Office 8th
Madras 25th September 1862

From
Lieutenant Colonel J. Michelberry B.S.
Deputy Chief Engineer Southern Circle

To
Colonel H. A. Baldwin R.E.
Secretary to Government P.W.D.

Sir,

Public

I have the honor to submit herewith Estimate for repairing certain breaches in the Retaining wall of the Elk Hill Viaduct, Coimbatore Collectorate, for the Sum of Rupees Two Thousand Nine Hundred and Thirteen only, I beg leave to state that having called upon the Executive Engineer for a calculation of the cost of such portion of the work contemplated (which would have to be executed by Convict agency) as would have been transmitted to me during the month of August last, he has been unable to furnish it, owing to the pressure of other duties, but I have requested him to submit same at his earliest convenience, and to apply for the amount required, as the total cost of the work is Rupees 3000 and upwards.

2. The Estimate for the Retaining wall is Rupees 2913 ; but all the Stones required for the work will be found within a few hundred yards of the Elk Hill Cutting, and the cost of transporting them to the Viaduct will be saved, the Estimate for the Earth work is Rupees 1000 and upwards, I cannot ascertain the exact sum, as the Earth must be excavated from the Elk Hill Cutting, which is now being executed by Convict labour, and the work will be carried on by degrees, as the Convicts are required for other purposes, I shall be able to submit the Estimate for the Earth work in a few days.

I have &c.
Colonel H. A. Baldwin R.E.
Secretary to Government P.W.D.

* Vide Public Letter from Government No: 1151 dated 7th August 1862

Enclosure No 1.
To a letter from the
Hon: Engr Wellington
to the Chief Engineer
No 69 dated 25th Sept 1862.

No W 2913/62

Estimate No 11 of 1862.63.
Collectorate
Coimbatore District

Constructing and suspending across the Elk Hill Cutting a Trough for the Conveyance of Water from the North side to the South side

Rupees 2913/-

y Invert who has I believe the charge of it, to treat with me for a supply from that Depot, at cost price.

3. In other details of my Plan, especially as regards iron work, I have been greatly misunderstood; the estimate being for three times as much as I contemplated using. I trust therefore Govt will be pleased to suffer the Estimate to lie over until I can have an opportunity of visiting the locality Preparing it myself on the spot, which I trust I shall be able to do shortly when inspecting the new site for the Kulipatty Bridge, in Madalapur, the unfinished work of the Valiantharaiem Bridge in Coimbatore.

4. I request that the Estimate & Plan herewith submitted, may be returned to me after sanctioning.

I have &c

Executive Engr

Southern Circle Office
Madras 25th Sept 1862

Deputy Chief Engr S.C.

To

Colonel H. A. Biddulph R.E.
Secretary to Govt P.W.D.

Cro 7th August 1862 Byt-gs

Forwarded Exy. Chf. Engr.
31st Oct. 1862 Cir
3325

No. 108-109

P.W. 1862 Depatch
of Cro of Gos. for Octr.
No. 2904.

From
The Deputy Chief Engr
Southern Circle

To
The Secy: to Govt. of Ma

No. 181

Dated 25th
Rec'd 26th } Sept. 1862
Enc 2
No. 398-7 October

Sub: Irrigation Plan Estimate (unauthenticated) for repairing the Elk Hill aqueduct & requesting the final preparation of the Estimate may be delivered till he is able to visit the locality & frame it himself, as his Plans appears to have been misunderstood by the subordinate Officers.

I have the honor &c

239 No. 2398.

The Govt. approve of Colonel Cuchterlony's proposal to proceed to the Coimbatore District for the purpose of preparing the Estimate for the proposed Elk Hill aqueduct. They also approve of his inspecting the other works mentioned in Para 3 of the foregoing letter, but are not prepared to sanction the latter recommendation.

2. The latter part of Para 2 will be referred to the Revenue Dept.

By Command &c
Secretary
31st October 1862

13 Copies.
To The Dy. Chf Engr S. Circle Disp. 8
3 " Civil Paymaster.
21 " Revenue Department.

No. 87