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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	3347	Press
B.P. No.		Mis.
Dated	26. 11. 74	1955.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
26th November 1874.*

No. 478. Read the following letter from Captain J. L. L. MORANT, R.E., District Engineer, Neilgherries, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Ootacamund, 3rd November 1874, No. 327 :—

In paragraph 2 of Public Works G. O., No. 1,668, of the 20th June, an estimate, amounting to Rupees 1,650, was sanctioned for making a through cutting on the existing road above the Brookland's Tea Estate.

2. I regret to have to report now that a good deal of the earth has been cut away, rock has cropped up, and hence I have the honor to submit for sanction and provision of funds a supplemental estimate amounting to Rupees 676 for removing this rock.

No. 479. ORDER THEREON, 26th November 1874, No. 3,347.

CIVIL WORKS, No. 34.

The estimate reduced to Rupees 600 by allowance for 190 cubic yards of earth displaced by an equivalent quantity of rock, is sanctioned. Funds will hereafter be provided.
(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Neilgherries.
,, Controller of Public Works Accounts.

Xrd. S. T. Austin.
Spare Copies

Estimate No 3 of 1874-75

Kitching, W. District

Work from Fern Hill Bridge towards the present end of the Fern Hill Road near the aqueduct at 6000 ft

Measurements				Particulars
No	L	B	D	

				Cartwork between Fern Hill Bridge & B.
10	3	5	150	From Fern Hill Bridge to 600 feet
18	3	12	81	
60	3	8	1440	
50	12	9	675	From 600 to 700 ft
50	3	8	1200	
50	2	7	700	From 700 to 750 ft
238	12	1/4	714	Barrelling
				4900 cubic feet
				184 Cartwork unloading and removing to the side
				Cartwork in cutting between B & A
80	4	5 1/2	1760	From 750 to 830 ft
80	13	3 1/2	3640	
100	6	6 1/2	3900	From 830 to 900 ft
100	14 1/2	10	1450	
100	9	5	4500	From 900 to 1000 ft
100	15	11 1/2	17250	
100	9	3 1/2	3150	From 1000 to 1100 ft
100	15	11 1/2	17625	
100	10 1/2	3 1/2	3675	From 1100 to 1230 ft
100	15	11 1/2	16875	
100	9	4 1/2	4050	From 1230 to 1330 ft
100	14 1/2	9 1/2	13775	

100 8 1/2 4 3400 } From 1330 to 1430
 100 14 1/2 9 12825 }
 100 8 1/2 4 3200 } From 1430 to 1530
 100 13 1/2 6 8775 }
 100 6 1/2 4 2400 } From 1530 to 1630
 100 12 1/2 2 2500 }
 880 12 1/2 2640 Barrelling
 440 440 C^{ts}
 5202 C^{ts} Earthwork cutting & widening down an
 average of 276 yards to Fern Hill Bridge
 Earthwork between A & accacia
 71 5 5 1750 From 1630 to 1730 feet
 100 3 3 900 " " 1700 to 1830 " "
 100 3 3 900 " " 1800 to 1900 " "
 100 2 3 1/2 700 " " 1900 to 2000 " "
 100 2 3 1/2 700 " " 2000 to 2100 " "
 100 1 1/2 3 1/2 525 " " 2100 to 2200 " "
 100 4 1/2 2 1/2 1125 " " 2200 to 2300 " "
 100 5 2 1/4 1125 " " 2300 to 2400 " "
 100 5 2 1/4 1125 " " 2400 to 2500 " "
 100 5 2 1/4 1125 " " 2500 to 2600 " "
 50 2 2 1/4 225 " " 2600 to 2650 " "
 1020 12 1/2 3060 Barrelling
 2650 2 2 10600 Watch drain all along
 23860 C^{ts}
 884 C^{ts} Earth widening & removing the earth to
 side
 36 7 3 750 } From Fern Hill Bridge to 600 feet
 11 3 3 264 }
 3 3 2 18 }
 1038 C^{ts}
 38 1/2 C^{ts} Blasting and removing rocks

14 2 2 56 From Fern Hill Bridge to 600 feet
 2 C^{ts} Roughstone work
 18 2 2 1/2 2 3 1/2 (Lass Drains)

Abstract

Quantity	Particulars	Rate	Per	Amount	Total
184	C ^{ts} Earth widening & removing to side	2	C ^{ts}	23	
5202	do Earth cutting and widening down to an average of 276 C ^{ts} to Fern Hill bridge	1		13008	
884	C ^{ts} Earth widening & removing earth to side	2		1108	
38 1/2	C ^{ts} Blasting and removing rocks	2		964	
2	" Roughstone work	12		18	
2	3 1/2 Lass Drains	4	each	28	1559 12
	Sup ^t and Sundries				83 1/4
	Total Estimate Proper				1643

District Engineer's Office
 Calcutta
 23rd April 1874
 Signed J. L. L. Morant Captain R.E.
 District Engineer

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(Faint handwritten notes)

Estimate No. 620 of 1874.75. ✓
 William Dietrich
 Work Supplemental Estimate for completing
 the through cutting of the Tiger Hill Road
 opposite the B. & O. Lands Sea Estate
 at Croonoo.

Measurements
Fig 1 B.V. Contour 1811
Particulars of W.A.R. 1811

6	11	3	2	18	
3	3	2	18		
6	2	3	5	12	
2	1	2	13	2	
3	3	3	2	7	
6	3	3	5	4	
5	3	3	4	5	
18	6	3	3	24	
9	6	6	3	24	
10	9	3	2	70	

1206 1/2 ft or
114 1/2 Cords of Shist rock to be blasted
& removed to the distance of 200 Yds

27 13 9 3159
112 13 5 780
3939 cft or _____
145 3/4 Cyds softer rock partly too
blasted & the whole to be removed
to the distance of 200 Cyds. _____

21 Estimate No. 62 of 1896. 75

Supplementary Estimate for completing
through cutting of the Lyx Hill Road of
from the Brookland Sea Estate at
Coonoc

Qty	Description of Work	Rate	Per	Amount	Total
146 1/2	Cyds of Shale rock to be blacked & removed to a distance of 200 Yds	11.	8	1780	
145 1/2	Cyds of Soft rock to be blacked & removed to a distance of 200 Yds	3	3	437 1/2	6154.
	Superintended & Guided				6012
	Total Estimate to				676.

Macanudo
District Engineer's Office
San Francisco
November 1891
Captain C. S.
District Engineer

[Faint handwritten notes and calculations are visible across the page.]

District Engineer's Office
Ottawa 3^d Nov 1871

No. 327.
L. G. Brown.

The District Engineer
Nile River

The Chief Engineer
Secretary to Govt.
P.W.D.

See para 2 of P.W.C.C.
8. 1668 of the 25th June in Estimate
amounting to £1650 was sometimes
for making a through cutting on
the existing road above the
Brooklands Sea Estate.

I regret to have to report now that a good deal of the earth has been cut away rock has cropped up and hence I have the honor to submit for sanction & provision of funds a supplemental estimate amounting to \$6 by 6 for removing this rock.

I have the honor to

Li

Yours most ob^d Servant
John Horant Captain &c
 District Engineer

O.E. Williams
Counsellor
Sept 27th 1874

Wm. Williams
Sept 27th 1874

Wm. Williams

Sept 27th 1874
Wm. Williams
Counsellor

Sept 27th 1874
Wm. Williams
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Wm. Williams
Counsellor

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Govt. of Madras.

PUBLIC WORKS.

To The Dist Engr
Nilgiris

Dated

Recd.

Encl. 2

G. O. 26th Nov. 1874, No. 3347

Nos 478-479

Tiger Hill Road

Nilgerry S^d The

Estimate reduced to Rs.

600 for completing

through cutting of the

road opposite the Brook.

lands Tea Estate at

Canoor, sanctioned

Funds to be hereafter

made do -