Proceedings of the Madras Government, Public Works Department,
16th December 1874.

No. 340. Read the following letter from Captain J. L. L. MORANT, R.E., District Engineer, Neilgherries, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Ootacamund, 24th November 1874, No. 340:—

WITH reference to paragraph 7 of Public Works G. O., No. 2,733, of 29th September 1874, I have the honor to submit an estimate, amounting to Rs. 1,880, for opening out as a bridle-path the new trace towards Kotagherry through Kodapamund, Rupees 380 have still to be provided for this work.

No. 341. ORDER THEREON, 16th December 1874, No. 3,544.

CIVIL WORKS, No. 25.

THE estimate, amounting to Rs. 1,880, is sanctioned, and the work will be completed in anticipation of the balance of funds being provided from savings later in the year.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

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

Exd. E. C. Shunker.
Spare Copies

Estimate No 66 of 1874-75.

Neilcherry District

Work. Probable Cost of opening the new bridle trace at Ootacamund through Kodapamund towards Kotagherry to a minimum width of 6 ft. over drains 9 ft. Length of road 2 Miles 1167 yds

Measurements No	Contents	Particulars of Work
100 b 1	600	Excavating 2 yds. cubical contents
100 b 1½	900	
100 b 2½	1500	
100 b 2½	1500	
100 b 3	1800	
100 b 4	2400	
100 b 2	1800	
100 b 2¼	1350	
100 b 2½	1500	
100 b 2	1200	
100 b 3	1100	
100 b 2½	1500	
100 b 2½	1500	
100 b 2	1200	
100 b 1¾	1050	
100 b 4	2400	
100 b 3½	2100	
100 b 3	1800	
100 b 2½	1500	
100 b 2½	1500	
100 b 3	1800	
100 b 3	1800	
100 b 3½	2100	
100 b 3	1800	
100 b 4	2400	
100 b 3½	2100	
100 b 3	1800	
	44,700	b/ carried over

Brought Forward

100	b	2	1200
100	b	2½	1500
100	b	2½	1500
100	b	2	1200
100	b	2½	1500
100	b	3½	2100
100	b	5	3000
100	b	6	3600
100	b	3½	2100
100	b	3	1100
100	b	3¼	1950
100	b	2	1200
100	b	2½	1500
100	b	3	1800
100	b	3½	2100
100	b	3½	2100
100	b	3	1100
100	b	3½	2100
100	b	2½	1500
100	b	3	1800
100	b	2½	1500
100	b	3	1800
100	b	3	1800
100	b	2½	1500
100	b	4	2400
100	b	4½	2700
100	b	6	3600
100	b	5	3000
100	b	5	3000
100	b	6½	3900
100	b	5½	3300
100	b	5	3000
100	b	3½	2100

Excavating 2 yards out of Solid

Carried Over 177750

106800
62100

Brought Forward

100	b	4	2400
100	b	3½	2100
100	b	4	2400
100	b	4	2400
100	b	3½	2100
100	b	4	2400
100	b	4	2400
100	b	3	1100
100	b	5	3000
100	b	3½	2100
100	b	3	1800
100	b	2½	1500
100	b	2½	1500
100	b	2½	1500
100	b	3½	2100
100	b	3½	2100
100	b	4	2400
100	b	4	2400
100	b	4	2400
100	b	3½	2100
100	b	3	1800
100	b	2¾	1650
100	b	3	1100
100	b	2½	1500
100	b	2	1200
100	b	3	1100
100	b	3½	2100
100	b	2½	1500
100	b	3	1800
100	b	2½	1500
50	b	3	900
100	b	2½	1500
100	b	2¾	1650

Excavating 2 yards out of Solid

Carried Over 63000
106800

177750 Brought forward

100	b	4	2400	
100	b	2½	1350	
100	b	4	2400	
100	b	3	1800	
100	b	2½	1500	
100	b	3	1800	
100	b	3½	2100	
100	b	3½	2100	
100	b	3	1800	
100	b	4	2400	
100	b	6½	3900	
100	b	4½	2700	
100	b	3	1800	
100	b	1½	900	
100	b	2	1200	
100	b	2½	1500	
100	b	3½	1950	
100	b	2½	1500	
100	b	2	1200	
50	b	2	600	
21650				c.ft
7950				c.yds Earthwork

Excavating cyards out of Solid

15	b	4	360	No. 1st Drain
15	b	6	540	" 2. do
15	b	5	450	" 3. do
15	b	4	360	" 5. do
15	b	6	540	" 6. do
15	b	3	270	" 7. do
23	b	4	552	" 8. do
13	b	6	468	" 9. do
16	b	6	576	" 10. do
15	b	6	540	" 11. do
15	b	6	540	" 12. do
15	b	6	540	" 13. do
5736				c.ft
212				c.yds of Earthwork

250	2	2	1000	
250	2	2	1000	
90	2	2	360	
2360				c.ft
88				c.yds of Earthwork
12	3	3½	126	Foundation for Revetment
5				c.yds of do. do. do.
480	2½	½	600	c.ft deepening the existing water course
22				c.yds of do. do. do.
501	2	2	2016	c.ft Excavating new water course
75				c.yds do. do. do. 2' dup
120	2½	6	1800	c.ft do. do. do. 6' dup
67				c.yds do. do. do.
90	2½	10	2250	c.ft do. do. do. 10 dup
83				c.yds do. do. do.
21	10	4½	900	Over 1st Drain
10	10	6	500	" 2. do
10	10	6	500	" 3. do
21	10	3	600	" 4. do
8	10	4	320	" 5. do
8	10	4	320	" 6. do
10	10	4	400	" 7. do
21	20	6	2000	" 8. do
6	10	6	300	" 9. do
8	12	6	576	" 10. do
8	9	5	360	" 11. do
8	9	5	360	" 12. do
6	9	3	162	" 13. do
10	12	5	600	Rear revetment
7191				c.ft
293				c.yds of Earthfilling

			Cft	Brought forward
x	13	2½	2	13 No. 1 Drain
	13	2½	2	13 — 2 — do
	13	2½	2	13 — 3 — do
	13	2½	2	13 — 5 — do
	13	2½	2	13 — 6 — do
	13	2½	2	13 — 7 — do
	13	2½	2	13 — 9 — do
	13	2½	2	13 — 11 — do
	13	2½	2	13 — 12 — do
	13	2½	2	13 — 13 — do
			130	Cft of rough Stone Drains
	15	3	2	15 No. 4 Drains
	23	3	2	23 — 6 — do
	45	3	2	45 — 10 — do
			83	Cft of rough Stone Drains
			01	Feet
	12	3	10	360 Cft
			14	Cyds of Excavation
			931	Cyds of Excavating Shale & Stone
	4	4	3	48
	4	5	6	120
	6	6	4	144
	3	2	3	18
	3	3	3	27
	3	4	4	48
	3	4	3	36
	4	4	4	64
	4	5	5	100
	7	5	4	140
	5	4	3	60
			814	Carried over

Blasting & removing Rocks

			Brought forward
9	5	5	225
11	5	4	220
4	4	5	80
10	6	4	240
4	4	3	48
7	5	4	140
21	9	6	1080
8	8	8	512
8	6	5	240
7	5	5	175
5	5	4	100
6	6	5	125
5	6	3	175
4	4	3	48
4	3	3	36
3	4	3	36
4	4	4	64
5	4½	4	90
6	5	5	150
5	5	5	125
8	4	2½	80
5	5	5	125
4	3	3	36
7	5	5	175
12	9	4	432
12	7	3	252
4	4	3	48
4	4	5	48
11	5	5	275
			4696 Cft
		174	Cyds of Blasting & removing Rocks

Blasting & removing Rocks

Estimate No. 66 of 1876. 75.

Neilsberry District.

Work. Probable cost of opening the new trace at Vlacamund through Kodapa towards Koteyberry to a minimum wid 6 ft. over drains 9 ft. Length of road. 2 9 147 rds

Quantity	Description of Work	Rate	Rs	As
7950	cyds Earthwork 2 yds sub soil			
212	Do. Excavation for drains			
88	Do. Cated drains			
5	Do. Foundation for Revetment			
22	Do. deepening Old Channel			
827	Total cyds. Earthwork	16	Cyds	7 51
75	cyds Earthwork in new water course	2	Do.	9
67	Do. Do. Do. Do.	3	Do.	12
83	Do. Do. Do. Do.	4	Do.	20
293	Do. Earthfilling	28	Do.	18
130	Rft rough stone drains	1 8	Rft	195
53	Do. Do. Do.	12	Do.	92
11	Cyds Revetment	14	Cyds	17
936	Cyds Clearing shola's wise	9	Cyds	43
176	Cyds Blasting & removing rocks	2 8	Cyds	435
56	Trees or stems to be removed	10	Ea	35
	Cost of tracing			25

Superintendence & Contingencies

Total Estimate Rupees

Amount of Estimate One Thousand Eight & Eighty only.

J. de Morant

District Engineer

District Engineer's Office
Vlacamund 24th November 76

No. 340
From,
The District Engineer
Neilgherries
To,
The Chief Engineer
& Secretary to Govt. P.W.D.

Sir,

With reference to para 7 of P.W.D. No. 2433 of 29th September 1876. I have the honor to submit an Estimate amounting to Rs 1880 for opening out as a bridle path the new trace towards Koteyberry through Kodapamund. Rs 389 have still to be provided for this work.—

I have the honor to be,
Sir,
Your most Obt. Servant,

J. de Morant
Capt R.E.
District Engineer

P. W. 1874 Depart.
No. 3540. D. (2)

No. 7493

From,

The District Engineer
Neilgherries

To,

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

Dated 24th
Despatched 26th
Rec'd 30th

Nov. 1874

Enclosure One

G. O. No. 3544. 16-12-74.
Forwards an estimate
for opening the
new track through
Rodapalamund &c
towards Rotherfield

William Ordell

3540- 3541

C. Letter 18774 D. Cir 12

3544

The estimate amounting to
Rs. 1880 is sanctioned - and the work
will be completed in anticipation
of the balance of funds being
provided from savings later in the
year -

Cypher

7/12

To The Dy. Engr. Neilgherries
Controller of Stores
Fort St. Geo.

Despd. 17/12/74.

Cir 16-12-74

7493

Govt. of Madras. 1874

PUBLIC WORKS.

To The Dist. Engr. Nilgiris

Dated

Rcvd. Encl. 1

G. O. 16 Decr 1874, No. 3544

Nos. 340-341.

of the balance of funds being provided from savings later in the year

New trace towards Kotagherry & third Kodapamund Kotagherry Estimate amounting to Rs. 1880 for opening out as a bridle path the new trace towards Kotagherry through Kodapamund sanctioned, and the work to be completed in anticipation