M.R.O. 1—77,006—8-6-37.

(1) Number of pages 20

(2) Date of repair 19 - 3 - 43

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 141 Press ~~Mis.~~

286-87

Dated 15 1 1867.

Not to be folded or roughly handled

No. 286. Read the following letter from the Superintending Engineer, 3rd Division, to the Secretary to Government, Public Works Department, dated Camp, Cuddapah, 28th December 1866, No. 2,837 :—

1. With reference to paragraph 3 of my letter No. 209 of 15th February last, I have the honor to submit a revised estimate, in comparative form, for the portion of the Cuddapah and Kurnool road between Chagalmurry and Iyaloor, in the Kurnool District.

2. Up to end of 1865-66 the expenditure was Rupees 48,157, and the balance Rupees 11,843 of the sanctioned estimate has been allotted for this year.

Rupees 60,000.

3. The extra sum required to complete is Rupees 44,029, or about 73 per cent. in excess. The cause of this excess must be attributed to graveling having been provided for in the original estimate, and no metaling having been allowed.

4. In the original estimate Rupees 12,071-4-0 were allowed for graveling, and of this Rupees 11,137-1-6 have been expended. The nature of the greater part of the soil of the country through which this road passes being of black cotton the gravel that has been spread has been worked into the soil, and in most places there are hardly any traces of it.

5. The excess* in the masonry works is to be attributed to the necessity of re-constructing some of the old tunnels, and in providing more waterway. This would have been larger, but for the substitution of road dams or inverts for several of the tunnels.

* Rupees 863-11-9.

No. 287. ORDER THEREON, 15th January 1867, No. 141.

CIVIL WORKS, No. 62.

1. In their Proceedings of the 28th July 1862, No. 1,806, the Government sanctioned an estimate amounting to Rupees 60,000 for the construction of that portion of the Cuddapah and Kurnool road which lies between Nundial and Chagalmurry in the Kurnool District.

2. The Superintending Engineer now reports that this estimate provided for graveling the surface of the road, and that though this has been done at a cost of Rupees 11,137, the gravel has been worked by the traffic into the black cotton soil over which the road runs, and has in many places almost disappeared. Major Moberly considers that a coating of broken metal is indispensa-

	Increase.	Rs.
Earth-work ...	... ...	1,624
Drains ...	... ...	864
Metaling ...	... ...	46,281
Sundries ...	... ...	681
Removing rock, &c. ...	... ...	457
		49,907

attributed

Proceedings of the Madras Government, Public Works Department, 15th January 1867.

Decrease.	Rs.
Earth-work	432
Graveling	934
Tamping	1,497
Avenue trees	1,767
Rough loose stone, &c.	36
Superintendence	1,212
	5,878

ble, and accordingly submits a supplemental estimate, which shows that the original sanction of Rs. 60,000 is likely to be exceeded by Rupees 44,029. The items of "increase and decrease" are noted in the margin, from which it will be seen that the cost of metaling which is proposed to be put on will exceed the amount for which supplemental sanction is now required by Rupees 2,252.

3. As the road in question is a most important one, the Government concur in opinion with the Superintending Engineer that, to render it thoroughly serviceable, it should be metalled, and they sanction the supplemental estimate of Rupees 44,029, and will be prepared to allot a portion of that amount from the Reserve of 1867-68.

(True Extract.)

Major, R. E.,
Under Secretary to Government.

To the Superintending Engineer, 3rd Division
,, Accountant General.
,, Controller of Public Works Accounts.

Exd. S. T. Augustin.

Superintending Engineers Office 3rd Div.
Camp Cuddapah
28th December 1866.

No. 2837.

From

The Superintending Engineer
3rd Division

To

The Secretary to Government
P. W. Dept. Madras

Sir,

With reference to Para 3 of Govt letter No. 209 of 15th February last. I have the honor to submit a Revised Estimate in Comparative form for the portion of the Cuddapah and Nunnoor Road between Chadalmurry and Ayalore in the Nunnoor District.

At the end of 1865/66 the Expenditure was Rupees 48157 and the balance Rupees 11843 of the sanctioned Estimate has been allotted for this year.

The further sum required to complete is Rupees 44029 or about 73 Per Cent in excess. The cause of this excess must be attributed to gravelling having been provided for in the Original Estimate and no metalling having been allowed.

In the Original Estimate Rs. 12071-4-0 were allowed for gravelling and of this Rs. 11137-1-6 have been expended. The nature of the greater part of the soil of the Country through which this road passes being of black cotton the gravel that has been spread has been worked into the soil and in most places there are hardly any traces of it.

The excess in the Masonry works is to be attributed

Rs 60,000

× Rs. 863-11-9-

attributed to the necessity of reconstructing some of the old Tunnels and in providing more waterway. This would have been larger but for the substitution of Road Dams or inverts for several of the Tunnels.

I have the honor to be &c

A. Mackay Major R.E.
Superintending Engineer 3rd Div

P.W. 1866 Dept.
Prov. of Govt. for January
No 52/71
From

The Superint.g Engineer
3rd Division

To The Secretary to Govt.
P.W.D. Madras

Dated 28th December 1866.

Rec.d 31 " "

Enc.d Sir

Forwards a Revised Estimate in Comparative Form for the portion of the Cuddalapah and Rayroor road between Chagalmurry and Ayalooroo in the Kurnool District.

No 286.

No. 1141. 15th Jany 1867

Rec.d 7th Jany 1867 Rd. 11th

Abstract Estimate

Quantity	Particulars	Rate	Amount	Total
510	Rd. Yards of Metalling	. 6.	191 4 .	
8638	do	. 8.	4319 . .	
6688	do	. 10.	4180 . .	
11368	do	. 12.	8526 . .	
1417	do	. 14.	1239 14 .	
1780	do	1 . .	1780 . .	
3804	do	1 2.	4279 8 .	
6023	do	1 4.	7528 12 .	
1510	do	1 8 .	2265 . .	
4423	do	1 12.	7740 4 .	42049 10 .
12	Road Dams of 112 feet length	152 10 11	1832 3 .	
2	Do. 136 do	1842 9	368 5 6	
1	Do. 242 do	382 4 5	382 4 5	
1	Do. 286 do	449 4 1	449 4 1	
	Incomplete Masonry works		6779 8	3709 10 8
	Sundries @ per cent	5 . .	2240 11 4	2240 11 4
			Total Rupees =	48000 . .

Nundial Range Office
Nundial
3rd December 1866.

Supervisor in charge of Nundial Range

Jpr 5271/166

Comparative Statement Shewing the Sanctioned Estimate, Amount of work performed and what is required to be done on the Nundial and Chagai Cassowary Road.

Quantity	Nature of work	As per Sanctioned Estimate			Amount of work performed			Amount of work required to be done			Increase	Decrease	Remarks
		Rate	Amount	Total of each Item	Quantity	Rate	Amount	Total of each Item	Quantity	Rate	Amount			
83561	Cft. of Earth work	—	1 4	15795 14 8	230921¼		16919 11 2					1623 12 1	The rates for Earth work Gravelling &c. is not properly defined, some 1½ annas was paid for Earth work, and 4 to 6 Annas for Gravelling. The excess, on Earth Work is owing to the road being raised in several places and making approaches & widening bends which the Original Estimate did not provide for.
8682	— of Stand Pile	—	1 6	813 15	4717¾		382 3 1					431 11 11	
48285	— of Gravelling	—	1	12071 4	39811 4/16		11137 1 6					934 2 6	
44129	Sqr. Yd. of Spanging	—	3	2252 5	58856		755 5 3					1496 11 2	
279	Cft. of Rough loose Stone	—	8	134 8	150		104 2 6					35 5 6	
37	Miles Avenue trees	—	50	1830	•		62 5 8					1767 10 4	
37	— Mile Stone	—	5	185	37		183 8					1 8	
				32587 10 1									
17	Drains of 3 Vents 3x3	3	13	5321									
46	do 2 do 3x3	2	58	11868	5		1686 5 11						
11	do 1 do 3x3	1	81	1991	21		5501 2 1						
2	do 4 do 3x3	3	79	758	14		2114 10 2						
1	do 4 do 3x4	4	06	408	1		377 6 10	+					
1	do 3 do 5x5	3	99	399	1		549 12 10	11238 1 9					
1	do 4 do 6x4	4	27	427									
1	do 4 do 5x5	4	56	456									
1	do 5 do 5x4	5	13	513									
				22141	2		1008 11 11						
	Tunnel of 4 Vents 5x7												
	Enlarging Tunnel 4 Vents 6x6½				1	3	698 15 9						
	Road Dam 242 feet				1	3	854 4						
	do 228 do				1	3	378 15 1	/					
	do 216 do				1	3	458 15						
	do 208 do				1	3	188 5						
	Obt. do Lengthening 668 feet				2	3	668 13 4						
	Tunnel of 4 Vents 5x7				1	3	253 8	8057 14					
	do 3 do 4x4				2	3 8	1861 13						
	Road Dam with under Sluice				1	3 8	404 11 5						
	do 136 feet				1	3 8	320 5						
	do 112 do				2	3 8	439 8 4	✓					
	do 102 do				4	3 8	694 1 5	✓					
	Metalling				2	3 8	354 15 7						
	Removing Rock				1149 5/16		4231 9 11						
	Materials in hand				109		496						
	Nazaltpanah Shed						245 3 2						
	Superintendence per cent	5		2735	1		162 11 4						
	Sundries do	5		25365 11			1523 6 7						
				52715 11			977 1 8						
				60000			56028 14 11						
									1		42049 11	46281 3 11	
												496	
												245 3 2	Materials for road.
												162 11 4	Vide G. O. No. 485 dated 8th February 1866.
												12 11 9 5	
											2240 11 12	681 7 1	
											48000	49907 9 9	5878 10 10

Nundial Range Office
Nundial
3rd December 1866.

R. Wilson Major
Supt. Engineer

H. Tomell
Superintendent in charge of Nundial Range

attached Letter

Extract

The Superintendent Engineer
3rd Division

Pp. 527/66

15 Pros. 15 Lancs. 16 Chds. 286.

Dated 31st December 1866.
Despd. 6th
Recd

Comparative Statement
shewing the Sanctioned Estimate
Amount of Work performed
& what is required to be done
to the Mundial Quad. Chag. Lines
Read

Civil Works

Public Works Department

No. 141.

Proceedings of the Madras Government

Under date the 15th January 1867.

Read the following

From

The Superintending Engineer

of the 3d Division (R.C. No. 2837 / 28th Dec. 1866.)

In their Proceedings of the 28th July 1862, No. 1806, the Government sanctioned an Estimate amounting to Rupees 60,000 for the construction of that portion of the Cuddapah and Kurnool road which lies between Nundial and Chagalmurry in the Kurnool District.

The Superintending Engineer now reports that this Estimate provided for gravelling the surface of the road, and

Mr. Pechey, Asst. Coll. of Kurnool, lead me to understand that the road is an unmetalled one - in fact I correctly understood him when under the impression that there was no road at all

WDM

that though this has been done at a cost of Rupees 11,137, the gravel has been worked by the traffic into the black cotton soil over which the road runs, and has in many places almost disappeared! Major Moberly considers that a coating of broken metal is indispensable, and accordingly submits an supplemental Estimate, which shows that the original sanction of Rs 60,000 is likely to be exceeded by Rupees 44,029 -

The

Increase -	Rs
Earthwork -	1,624
Drains -	864
Metalling -	46,281
Sundries -	681
Removing Rock &c. -	457
	49,907

Decrease	Rs
Earthwork -	432
Gravelling -	934
Tamping -	1,497
Avenue trees -	1,767
Rough loose stone &c.	36
Superintendence	1212
	5878

The items of "increase and decrease" are noted in the margin, from which it will be seen that the cost of metalling which is proposed to be put on will exceed the amount for which supplemental sanction is now required by Rs 2252 - As the road in question is a most important one, the Govt concur in opinion with the Superintending Engineer that, to render it thoroughly serviceable, it should be metalled, and they sanction the supplemental Estimate of Rupees 44,029, and will be prepared to allot a portion of that

that amount from
the Reserve of 1867/68.

To
The Supt. Engr. 3rd Div.
Acadia Coal Co.
Pictou Harbour

Sept. 16 = January 23 / 67
4

Ap. 286. 287.

Ch. 7th Jany 1867. P. 11th

P W 1867 Deptt

Pa. of Govt for Jan.

No 141

Dt 15 January 67

The revised Estimate
of £ 44,029 for the Portion
of Road (Cadapal and
Kurnool) between
Chapalmurry & Lyaloor,
Kurnool Dt sanctioned.

No 286 - 287.

C. 7th Jany 1867. R. 11th