

Sr Anil Kumar At Nawada
Ag No - 40 (SBD)/2020-21

Sitmaeh to Belatana Road.

Schedule XLV-Form No. 134

Head-MHust (SC)

R. W. D. Jamui

DIVISION

R. W. D. Khairi,

SUB-DIVISION

Measurement Book

MB No- 2794

Name of work-

Situation of work-

Agency by which work is executed-

Date of measurement-

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Construction of Road					
from Sittamadh to Belatan					1.3.00 KM
Agreement No 40 (SBD) 2020-21					
Agency - Anil Kumar, At - Sechode warg					
P.O + P.S - Kagaladi Dist - Newarad					
Ag No. 40 (SBD) 2020-21					
Date of commencement of work -					13-08-2020
Date of completion of work -					12-08-2021
Ag. Construction cost ₹				1,62,12,174.00	
Ag. Maintenance cost ₹				25,53,444.00	
				1,87,65,558.00	
Date of Record Measurement -					
<u>Description of item</u>					
① providing & fixing of working					
bench mark pillars 2 nos per km					
& 6 nos of reference pillars - do					
- do - all complete job					
		3.00			
		3.00 KM			
② clearing & grubbing Road					
land including uprooting wild					
vegetation, grass, brush, shrub					
- do - do - all complete					
job as per eff					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	3 X	30.00 X	3.50	315.00 M ²
	1 X	1 X	30.00 X	3.50	105.00 M ²
	1 X	10 X	30.00 X	3.50	1050.00 M ²
	1 X	2 X	30.00 X	3.50	210.00 M ²
				Qty	10080.00 M ²
					1.658 Hc

③ Construction of embankment

with material obtained from

borrow pits - do - do - all

complete job as per E&P

S.No	Ch	Area	Mean Area	Dist	Volume (M ³)
1	0	1.420	-	-	-
2	100	0.680	1.050	100	105.00
3	200	0.460	0.570	100	39.00 57.00
4	300	0.320	0.390	100	39.00
5	400	0.210	0.265	100	26.50
6	500	0.230	0.220	100	22.00
7	600	0.280	0.255	100	25.50
8	700	0.340	0.310	100	31.00
9	800	0.250	0.295	100	29.50
Continuation					335.50 M ³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10	900	0.190	0.220	100	22.00
11	1000	0.320	0.255	100	25.50
12	1100	0.380	0.350	100	35.00
13	1200	1.70	1.040	100	104.00
14	1300	1.71	1.705	100	107.50
15	1400	0.310	1.010	100	101.00
16	1500	1.470	0.890	100	89.00
17	1600	0.490	0.980	100	98.00
18	1700	1.101	0.800	100	80.00
19	1800	0.710	0.910	100	91.00
20	1900	0.820	0.765	100	76.50
21	2000	1.010	0.915	100	91.50
22	2100	1.100	1.055	100	105.50
23	2200	1.120	1.110	100	111.00
24	2300	1.050	1.085	100	108.50 m ³
				Qty	1581.50 m ³

⑨ for 1000 M lead = 380 m³

⑩ For 100 M lead = 1201.50 m³

⑪ construction of subgrade & earthen shoulder with approved material - do - all complete job

$$10 \times 30 \times \frac{7.80 + 7.40}{2} \times 0.300 = 702.00 \text{ m}^3$$

$$10 \times 30 \times \frac{8.20 + 7.40}{2} \times 0.300 = 702.00 \text{ m}^3$$

$$10 \times 30 \times \frac{7.50 + 7.40}{2} \times 0.300 = 675.00 \text{ m}^3$$

$$5 \times 30 \times \frac{7.90 + 7.50}{2} \times 0.300 = 346.50 \text{ m}^3$$

$$5 \times 30 \times \frac{7.80 + 7.40}{2} \times 0.300 = 351.00 \text{ m}^3$$

Continuation

$$\text{Qty} = 2776.50 \text{ m}^3$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Construction of S.B. Cut					
by providing well graded material					
spreading in uniform layer - do					
- do - at complete job					
For P.C.C.					
	5	30	3.75	0.100	56.25 m^3
	3	30	3.75	0.100	33.75 m^3
	1	15	$\frac{4.60 + 6.60 + 4.90}{3}$	$\times 0.100$	7.50 m^3
	4	30	3.75	0.100	45.00 m^3
	1	15	$\frac{4.00 + 4.60 + 4.10}{3}$	$\times 0.100$	6.35 m^3
	5	30	3.75	0.100	56.25 m^3
	1	15	$\frac{3.90 + 4.40 + 3.75}{3}$	$\times 0.100$	6.03 m^3
	1	30	3.75	0.100	11.25 m^3
	1	15	$\frac{5.60 + 3.60}{2}$	$\times 0.100$	5.40 m^3
					227.82 m^3
For AT portion					
	1	15	$\frac{7.00 + 4.20}{2}$	$\times 0.200$	16.80 m^3
	5	30	4.05	0.200	121.50 m^3
	5	30	4.05	0.200	121.50 m^3
	1	15	$\frac{4.10 + 4.50 + 4.05}{3}$	$\times 0.200$	12.65 m^3
check	10	30	4.05	0.200	243.00 m^3
	5	30	4.05	0.200	121.50 m^3
	1	15	$\frac{4.50 + 6.50 + 4.60}{3}$	$\times 0.200$	15.60 m^3
	10	30	4.05	0.200	243.00 m^3
	1	15	$\frac{4.50 + 6.30 + 4.40}{3}$	$\times 0.200$	15.20 m^3
	3	30	4.05	0.200	72.90 m^3
					983.65 m^3
Total Qty of U.S.B Cut					

Continuation

$$227.82 + 983.65 = 1211.47 \text{ m}^3$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) providing and fixing of typinal MHGSY informatory sign board & citizen board - do - do - all complete job		2 NO.			
<i>Date 20/07/2017</i>				<i>Ayhan</i> <i>22/07/17</i> <i>A.B</i>	
<u>ABSTRACT OF COST</u>					
(1) providing & fixing of casting benchmark Pillar & reference Pillar - do - do - all complete job					
		Rtn vide Recd No (1) in TMB			
		ibid No (1) 3 km			
@ Rs 32726=52/km					Rs 98,180=-
(2) Clearing and Grubbing Road Land - do - do - all complete job					
		Rtn vide Recd No (2) in TMB			
		ibid No (2)			
		1.008 Hg			
@ Rs 51133=76/Hg					Rs 51,543=-
Continuation					Rs 1,49,723=-

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				R 81 F R	149,723=0
Construction of embankment with Material - do - do - all complete job for 1000 M lead					
				Qty vide Page No. (2) in TMB	
				item no 3(a)	
				380.00 M ³	
				R 75 = 22 / M ³	66,584 = 0
Construction of embankment for 100M lead					
				Qty vide Page No. (3) in TMB	
				item no 3(b)	
				1201.50 M ³	
				R 135 = 12 / M ³	162,345 = 0
Construction of subgrade & other shoulder with approved material - do - all complete jobs					
				Qty vide Page No. (3) in TMB	
				item no (4)	
				2776.50 M ³	
				R 176 = 85 / M ³	491,024 = 0
Construction of C.S.B up? providing well graded material preceding in uniform layer do do - all complete job					
				Qty vide Page No. (4) in TMB	
				item no (5)	
				1210.47 M ³	
				R 1592 = 90 / M ³	192975 = 0

Continuation

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