

N/Scheme: — Construction & or maintenance of Rd.
Gradual Bhagwant to Devanachalk ITM
Maurhi Block. length — 100 k.m.
Shedule XLV Form No. 134.

N/cont 1: — Krishna Murari Singh

MMGSY (Sle)

DIVISION

From: — 15/580 1021-92

SUB-DIVISION

At 31/01/92 — 21/11/92

Measurement Book

M.B.No- 1250

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1st on A/C				
Name of Work—	Construction of 5th Year				
	Maints. of road Madhul				
	Bhagawangarj road to				
	Deevanchak, Masaurhi				
	Black. Under MMBSY (SC)				
Name of Agency—	Krishan Murali Singh				
	Dhanaut, Masaurhi				
	Patna				
Agreement No—	10/SBD/2021-2022				
Date of Start—	14-07-2021				
Date of Completion—	13-07-2022				
	Measurement				
1. Proc. & fixing of working					
Bench mark —	61				
	1.00 Km				
2. Clearing & grubbing road					
land including —	62				
	2x40x25x3.75 = 27000.00 m ²				
	= 0.70 Hae.				
3. Constn. of embankment					
with materials —	61				
	60				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Dist ^h (m)	Area (m ²)	Mean Area (m ²)		Volume (m ³)
0	—	5.841	—		—
25	25	6.615	6.228		152.70
50	25	8.237	7.426		185.65
75	25	7.668	7.953		198.81
100	25	7.238	7.453		186.32
125	25	8.110	7.674		191.85
150	25	8.423	8.267		206.66
175	25	8.308	8.366		209.13
200	25	7.043	7.676		191.88
225	25	7.934	7.489		187.21
250	25	8.168	8.051		201.27
275	25	8.119	8.144		203.58
300	25	8.368	8.244		206.08
325	25	7.827	8.099		202.46
350	25	6.859	7.344		183.60
375	25	7.065	6.962		174.05
400	25	6.468	6.767		169.16
425	25	7.050	6.759		168.97
450	25	7.316	7.183		179.57
475	25	6.442	6.879		171.97
500	25	6.281	6.362		159.03
525	25	6.770	3.526		88.13
550	25	1.068	0.919		22.97
575	25	0.931	1.000		24.98
600	25	0.509	0.720		18.00
625	25	0.775	0.652		16.30

= 3903.33m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.	3903.33
650	25	1.191	0.993		24.82
675	25	0.960	1.076		26.88
700	25	1.181	1.071		26.76
725	25	0.857	1.019		25.47
750	25	1.233	1.045		26.12
775	25	0.733	0.983		24.57
800	25	0.882	0.808		20.18
825	25	0.635	0.759		18.96
850	25	1.151	0.893		22.32
875	25	0.899	1.025		25.62
900	25	0.762	0.831		20.76
925	25	0.966	0.864		21.60
950	25	0.694	0.830		20.75
975	25	0.762	0.728		18.20
1000	25	0.928	0.845		21.12
					= 4247.46 m ³
Deduction for sub grade					
excavable - 1 x 20 x 25.00 x $\frac{7.19}{2} \times 0.300$					= 1200.00 m ³
rigid - 2 x 20 x 25.00 x 0.62 x 0.100					= 62.00 m ³
					= 1262.00 m ³
					= 2985.46 m ³
Deduction for sand filling					
1 x 20 x 25.00 x $\frac{7.18}{2} \times 0.100$					= 137.50 m ³
1 x 14 x 25 x 5.00 x 0.100					= 175.00 m ³
					= 312.50 m ³
					= 2435.46 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				= 2	435.46 m ³
Deduction for G.S.B. -					
B.T. - 1x 20x 25.0x 4.05					405.00 m ³
Rigid - 1x 10x 25.0x 3.75					93.75 m ³
					= 498.75 m ³
					= 1936.71 m ³
(A) For 1000 m lead - 1936.71 x 0.70 = 1355.70 m ³					
(B) For 100 m lead - 1936.71 x 0.30 = 581.01 m ³					
4. Construction of earthen					
Sub grade - - - G.P.					
1x 20x 25.0x 7.0					1200.00 m ³
2x 20x 25.0x 0.62					62.00 m ³
					= 1262.00 m ³
5. Filling in felt trenches					
as per - - - - - E.P.					
Flexible - 1x 20x 25.0x 7.0					375.00 m ³
Rigid - 1x 10x 25.0x 5.0					175.00 m ³
					= 550.00 m ³
6. Construct G.S.B. with					
Well graded - - - - - E.P.					
B.T. - 1x 20x 25.0x 4.05					405.00
					= 405.00 m ³
7. Construct G.S.B. - - - - - E.P.					
Rigid - 1x 10x 25.0x 3.75					93.75
					= 93.75 m ³

Continuation

20/12/2021
20/12/2021

20/12/2021

Sch. XLV-Form No. 15		Details of actual measurement				Contents of area
Particulars	No.	L.	B.	D.		
					<u>Materials Statement</u>	
(i) E.P.W. work					3178.71 m ³	
(ii) Sand filling					250.00 m ³	
(iii) Stone metal					387.00 m ³	
(iv) Sand					144.64 m ³	
20/12/2021 JG 20/12/21						
<u>Abstract of cost</u>						
1. Proc. & fixing of B.M. - E.P.						
Vide item No. 1 PM-1						
1.00 km						
1.00 km						
11230.67 Hm- ²					11231.00	
2. Clearing & grubbing of road land - E.P.						
Vide item No. 2 PM-1						
0.70 Hae						
52970.33/Hac- ²					37079.00	
3. Constr. of embankment with 1000 m local - E.P.						
Vide item No. 3 (A) PM-4						
1355.70 m ³						
190.57 m ³					2583.20	
4. Constr. of embankment with 1000 m local						
Vide item No. 3 (B) PM-4						
581.01 m ³						
153.66 m ³					8927.80	
					₹ 395944.00	

Continuation

Continuation