

Bairi Dargamusi Road To Bheriahari

NMGSY (Sc)

Agar 8 (SISD) 2020-21

Measurement Book

Schedule XLV-Form No. 134

Ravi Kumar
Agar 28 (SISD) / 2020-21

R. V. D. Jamma

DIVISION

Ichaiya

SUB-DIVISION

MB No - 2711

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd on A/c & Final bill.				
Name of Rural	Construction of				
	Road from Barhag S.M. (MS)				
	Road to Bheratst.				
Agency	Ranvir Kumar.				
Agreement No	28 (SRD) / 2020-21				
Date of start	29-03-2020.				
Date of comp	26-02-2021.				

Record measurement

1. Providing & applying					
Pavement coat (SS-1) etc.					
1	X	30	X	$\frac{(5.20 + 3.75)}{2}$	= 134.25
10	X	10	X	3.75	= 375.00
10	X	10	X	3.75	= 375.00
2	X	30	X	3.75	= 225.00
1	X	10	X	3.75	= 37.50
1	X	10	X	10	X 3.75 = 375.00
10	X	10	X	3.75	= 375.00
1	X	15	X	$\frac{(4.90 + 3.75)}{2}$	= 64.88
10	X	10	X	3.75	= 375.00
10	X	10	X	3.75	= 375.00
1	X	15	X	$\frac{(5.0 + 3.75)}{2}$	= 45.63

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Obtained from borrow pits with all lifts & hauls					
Earth on shoulder (side of 208m & 200m)					
	2	10	20	1.00	$0.075 = 30.00$
	2	10	10	0.900	$0.075 = 13.50$
	2	10	10	0.800	$0.075 = 12.00$
	2	20	25	1.300	$0.075 = 47.50$
					<u>81.00</u>
Earth on shoulder (side of 128m)					
	2	10	20	1.00	$0.200 = 80.00$
	2	10	10	0.900	$0.200 = 36.00$
	2	10	10	0.800	$0.200 = 32.00$
	2	20	25	1.500	$0.200 = 300.00$
					<u>Total Qty = 601.00m³</u>
5. RCC Kan Store					
= 2 No.					
6. 200 mm store					
= 5 Nos.					
7. Providing & fixing of rebar					
- reinforced, auxiliary,					
(i) 600 mm equilateral triangle					
= 4 No.					
(ii) 600 mm circular					
= 3 No.					
(iii) 800 mm x 600 mm rectangular					
= 4 No.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) 600 mm x 450 mm rectangle = 3 nos.					
8. Providing and laying of best applied thermoplastic compound 2.5 mm thick etc. Road marking on BT surface 2x20x20x0.100 = 80 2x20x25x0.100 = 100 Qty. = 180 m ²					
9. Rec boundary pillar = 16 nos.					
10. Providing and erecting direction & power identification retro-reflectors sign board. = 4 nos.					
11. Providing & Fixing of hydraulic memory information sign board, Citizens info - material & Maintenance board = 2 nos.					
Done by 23/02/2024 J.E					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
1. Providing & Fixing of working benchmark pillars 2 nos per km					
Qty vide item (1), P. No (8)					
0.900/km @ 32874.02/km					
				Rs = 29,587.00	
2. Clearing & Grubbing road land					
Qty vide item (2), P. No (8)					
0.32 Ha @ 51133.76/Ha					
				Rs = 16363.20	
3. Construction of Erosion					
nest with material of					
Obtain. from borrow					
pits with depth up to 1.5m less 100m.					
Qty vide item (3), P. No (8)					
1300.08 m ³ @ 135.12/cum					
				Rs = 175662.00	
4. Construction of Subgrade					
and Earthen Shoulder etc.					
Qty vide item (4), P. No (8)					
2106 m ³ @ 176.86/cum					
				Rs = 372462.00	
5. Shoulder					
Qty vide item (5), P. No (16)					
601 m ³ @ 176.86/cum					
				Rs = 106293.00	
5. Construction of granular					
Sub-base by providing well					
graded material (G.S.G.-1).					

Continuation

Rs = 700377.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide item (5), P-19					
737.91 m ³ @ 1636.02/cum					
Rs = 1207236.00					
6. Providing, laying, spreading and compacting stone aggregate sp. size at WBM grade etc					
Qty vide item (6), P.No-9					
256.28 m ³ @ 2139.27/m ³					
Rs = 548209.00					
7. Providing & applying Primer Coat (SS-1)					
Qty vide item (7), P.No-14					
3416.26 m ² @ 45.58/m ²					
Rs = 155713.00					
8. Providing and applying Jack coat (RS-1)					
Qty vide item (8), P.No-14					
3416.26 m ² @ 15.49/m ²					
Rs = 52918.00					
9. Providing, laying and rolling of close-graded premix surfacing material at 20mm thickness etc.					
Qty vide item (9), P.No-15					
3416.26 m ² @ 212.52/sqm					
Rs = 726024.00					
Rs = 33,90,477.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10 12. Providing and laying of a Rce pipe duct 300mm dia. across the road. Qty vide item (5), P.No (9) 30 m @ 1587.65/m Rs = 47,630.00					
11. Rce Kms Stone.					
13 Qty vide item (5), P.No (16) 2 m @ 210.33/each Rs = 422.00					
12. 200mm Stone.					
14 Qty vide item (6), P.No (16) 5 m @ 603.55/each Rs = 3018.00					
13. Providing & Fixing of network markers.					
150 Cautionary, mandatory & informative Sign board etc.					
600mm equilateral triangle.					
Qty vide item 70, P.No (16) 4 m @ 3465.50/each Rs = 13,862.00					
14 150 600mm Circular.					
Qty vide item 7(ii), P.No (16) 3 m @ 4691.16/each Rs = 14073.00					

Rs = 34,73,281.00
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15 III) 800mm x 600mm rectangular Qty vide item 7(II), P. No (16) 4 No @ 6592.39/each RS = 26370 = 00					
16 IV) 600mm x 450mm rectangular Qty vide item 7(IV), P. No (12) 3 No @ 4565.70/Each RS = 13697 = 00					
17 V) Providing & Laying of hot applied thermoplastic Compound 205mm thick including etc.					
Qty vide item (8), P. No (12) 180 m ² @ 735.44/89m RS = 132379 = 00					
18 20 R.C.C boundary pillar. Qty vide item (9), P. No (17) 16 Nos @ 484.52/each RS = 7752 = 00					
19 21 Providing & erecting direction and place identification etc. Qty vide item (10), P. No (13) 4 Nos @ 11,663.42/each RS = 46,654 = 00					
20 22 Providing and Fixing of typical Mmsy informatory Sign board with logo.					

Continuation

RS = 3700133 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide item (13), P-10					
3 m ³					
Qty vide item (14), P-10					
2 m ³					
Qty = 5 m ³ @ 9334.18/cum					
Rs = 46,671.20					
21. E/W Excavation for Foundation					
22					
Qty vide item (8), P-10					
59.60 m ³ @ 294.73/cum					
Rs = 17,566.20					
21. Providing MIS (PCC 1:2.5:5) as					
22					
Reinforcing course in Foundation					
Qty vide item (9), P-10					
9.19 m ³ @ 4899.73/cum					
Rs = 45029.20					
22. Plain/Reinforced cement					
28					
Concrete (M-20) in Substructure					
Qty vide item (10), P-10					
71.42 m ³ @ 6042.04/cum					
Rs = 431523.20					
23. Providing & Laying RCC					
29					
Pipe MP-3 for culvert (1000mm)					
Qty vide item (11), P-10					
15 m @ 3411.46/Rm					
Rs = 51172.20					
24. Reinforcing of Parapet					
30					
Wall at CD work.					
Qty vide item (12), P-10					

Continuation

Rs = 4292094.20

