

N/Scheme — Magerudi Pitwas Road se Tiskhona In
Magerudi Block — length: — 1.405 c.m.
Shedule XLV Form No. 134.

W/cont: — Krishna Murari Singh — MMGSY (G) (G) (G)
DIVISION

~~W/cont: — Krishna Murari Singh~~

SUB-DIVISION

Form. — 9/SBD/2021-22

Measurement Book

M.B. Nos — 1249

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 & 5th Year				
	Maint of road Masaurhi-				
	Pitwaas road Se. Tiskhor				
	in Masaurhi Block Under				
	M.M. Co. S.Y. (SC)				
Name of Agency:-	Krishan Murari Singh				
	Dhanauti, Masaurhi				
	Patna				
Agreement No.	09/SPD/2021-2022				
Date of start	14-07-2021				
Date of completion	13-07-2022				
	Measurement				
1. Proportioning of working					
Benchmark	- - G.L.				
	1.40 Km.				
2. Clearing & grubbing road					
land including	- - G.L.				
	2x 50x 25x 3.50 = 9800.00 m ²				
	= 0.98 Hae				
3. Excavation for roadway					
in soil using	- - G.L.				
Side - 2x 20x 25x 0.375x 20 = 75.00 m ³					
	= 75.00 m ³				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. Construction of embankment with - - - - - ft.					
CH	Distance (m)	Area (m ²)	Mean Area (m ²)	Volumen (m ³)	
0	-	4.305	-	-	
25	25	4.145	4.225	105.62	
50	25	4.855	4.500	112.50	
75	25	4.663	4.759	118.97	
100	25	4.621	4.642	116.05	
125	25	4.546	4.609	115.21	
150	25	5.400	4.998	124.95	
175	25	4.101	4.751	118.76	
200	25	3.881	3.991	99.77	
225	25	3.758	3.820	95.48	
250	25	4.872	4.215	107.87	
275	25	4.156	4.514	112.85	
300	25	4.152	4.154	103.85	
325	25	5.034	4.593	114.82	
350	25	4.521	4.778	119.43	
375	25	4.713	4.617	115.42	
400	25	5.143	4.928	123.20	
425	25	4.755	4.949	123.72	
450	25	1.714	3.235	80.86	
475	25	1.569	1.642	41.03	
500	25	1.421	1.495	37.37	
525	25	1.498	1.460	36.48	
550	25	1.682	1.590	39.75	
575	25	1.694	1.688	42.20	
					= 2206.16 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF =	2206.16m ³
600	25	1.222	1.458		36.45
625	25	1.546	1.384		34.60
650	25	1.770	1.768		44.20
675	25	3.345	2.668		66.68
700	25	4.558	3.952		98.78
725	25	4.950	4.754		118.85
750	25	4.861	4.906		122.63
775	25	4.336	4.599		114.96
800	25	4.548	4.442		111.05
825	25	4.307	4.428		110.68
850	25	4.414	4.361		109.01
875	25	5.089	4.752		118.78
900	25	4.285	4.687		117.17
925	25	4.435	4.360		109.00
950	25	4.381	4.408		110.20
975	25	4.028	4.205		105.11
1000	25	4.460	4.244		106.10
1025	25	4.417	4.439		110.96
1050	25	3.957	4.187		104.67
1075	25	4.051	4.004		100.10
1100	25	4.583	4.317		107.92
1125	25	3.672	4.128		103.18
Empty Pouch	-	1.398	-		-
25	25	1.767	1.583		39.56
50	25	2.186	1.977		49.41
75	25	1.576	1.881		47.02

= 4503.23m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF	4503.23m ³
100	25	1.910	1.743		43.57
125	25	2.045	1.978		47.43
150	25	2.063	2.054		51.35
175	25	1.719	1.891		47.27
200	25	1.715	1.717		42.92
225	25	1.443	1.579		39.47
250	25	1.327	1.385		34.62
275	25	1.291	1.309		32.72
					= 4844.58m ³
Deduction for Subgrade					
1x 36x 25.00x 7.19				2x 0.30x 2	160.00m ³

Rigid - 2x 20x 25.00x 0.62x 0.100	62.00m ³
2x 20x 25.00x 0.62x 0.075	46.50m ³
	= 2288.50m ³
	= 2577.08m ³

Deduction for Sand filling					
1x 36x 25.00x 7.19				2x 0.100x 2	675.00m ³
					= 1902.08m ³

Deduction for C.S.B -					
1x 36.00x 25.00x 4.05x 0.20x 2	1729.00m ³				
					= 1173.08m ³

Deduction for C.R. III					
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Rigid - 4x 25.00x 3.75x 0.075x 2	28.12m ³
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1x 15.00x 3.75x 0.075x 2	4.22m ³
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Bit. for 20x 25.00x 3.75x 0.075x 2	28.12m ³
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1x 1x 15.00x 3.75x 0.075x 2	4.22m ³
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	= 1724.90m ³
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Deduction for P.C.C					
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= 317.81m³

Continuation = 855.27m³

24/10/2021
JE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				=	855.27 m ³
(A) For 100 m lead -				=	598.69 m ³
(B) For 100 m lead =				=	256.58 m ³
Construction of sub grade and earthen shoulders - E.P.					
1x 36x25x7.00					2160.00 m ³
2x 20x25x0.62					62.00 m ³
2x 20x25x0.62					46.50 m ³
				=	2268.50 m ³
				=	2268.50 m ³
Filling in foundation and trenches with - E.P.					
1x 36x25x7.50					675.00 m ³
				=	675.00 m ³
Constn. of G.S.B. with well graded - E.P.					
1x 36x25x4.05					729.00 m ³
				=	729.00 m ³
Proc. Laying spreading and Compacting stone G.S.B. - E.P.					
4x 25x3.75					28.12
1x 15x3.75					4.22
1x 20x25x3.75					140.62
1x 1x 15x3.75					4.22

= 177.18 m³

Return = 177.18 m³
 Continuation
 23/11/2021
 JE

23/11/21
 23/11/21

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Constn of Cr. S.B. with					
Well graded - G.I.					
4 x 25.00 x 3.75 x 0.100					= 37.50 m ³
1 x 15.00 x 3.75 x 0.25					= 6.72 m ³
whiling 2 x 20 x 15.00 x 0.65					= 39.00 m ³
					= 83.22 m ³
					= 83.22 m ³
Proc. laying spreading and					
Compacting for 14 - G.I.					
1 x 15.00 x 3.75 x 0.075					= 2.06 m ³
4 x 25.00 x 3.75 x 0.075					= 28.12 m ³
2 x 25.00 x 2.80 x 0.075					= 21.00 m ³
2 x 17.00 x 3.05 x 0.075					= 4.77 m ³
Profile 2 x 2.15 x 0.80 x 0.075					= 2.70 m ³
Identifying - 2 x 6 x 25.00 x 0.60 x 0.075					= 64.62 m ³
					= 13.50 m ³
					= 78.15 m ³
					= 78.15 m ³
1. Proc. & Constn of the					
reinforcement - G.I.					
arranged 1 x 6.00 x 7.00 x 4.20 x 0.160					= 5.376 m ³
1 x 6.00 x 4.20 x 3.80 x 0.160					= 3.840 m ³
1 x 15.00 x 3.80 x 3.70 x 0.160					= 9.000 m ³
1 x 10.00 x 3.70 x 4.40 x 0.160					= 6.480 m ³
1 x 15.00 x 4.40 x 3.60 x 0.160					= 9.600 m ³
5 x 15.00 x 3.70 x 3.80 x 0.160					= 45.000 m ³
1 x 5.00 x 3.75 x 0.160					= 3.00 m ³
10 Rebar 1 x 3.40 x 4.30 x 0.160					= 2.339
					= 84.635 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF =	84.635m ³
	3	15.00	3.75	0.160	27.000m ³
	1	5.50	$\frac{3.75+3.90}{2}$	0.160	3.366m ³
	1	14.00	$\frac{3.80+4.80}{2}$	0.160	9.632m ³
	1	6.00	$\frac{4.80+4.50}{2}$	0.160	4.464m ³
	1	6.00	$\frac{4.50+6.80}{2}$	0.160	5.424m ³
	1	9.00	5.50 (avg)	0.160	7.920m ³
	1	12.00	3.75 (avg)	0.160	7.200m ³
	1	6.00	$\frac{3.75+6.20}{2}$	0.160	4.776m ³
retreat trimming	1	5.50	$\frac{6.20+9.00}{2}$	0.160	6.688m ³
					= 161.105m ³
					= 161.105m ³
2. Providing & laying of					
reinforced concrete					
pipe of 30mm dia - GI					
	3	2.50			7.50m
	4	2.50			10.00m
					= 17.50m
3. Providing of typical					
of masonry in masonry					
Sign Board - - GI					
					2 Nos.
1A. Earth in excavation					
for foundation - GI.					
	2	2	6.45	1.40	2.50 = 135.45m ³
	2	1	4.65	1.53	0.36 = 13.36m ³
					= 148.81m ³
					= 148.81m ³
- Free 11/12/2021					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15. Prov. P.C.C. in A.H. - 11					
	5x2x	6.45x	1.40x	0.150	$13.55m^3$
	5x1x	4.93x	1.53x	0.250	$9.43m^3$
					$= 22.98m^3$
Less for H.P.					$22.98m^3$
	5x0.250x	$\frac{\pi}{4}(1.23)^2$	5.49x		$8.16m^3$
					$= 14.82m^3$
					$= 14.80m^3$
16. Prov. Concrete for plain					
Reinforced Concrete - 6 B.					
	5x2x	6.15x	$\frac{1.10+0.65}{2}$	2.58	$130.90m^3$
	5x2x	6.15x	0.40x	1.20	$29.52m^3$
					$= 160.42m^3$
Less for H.P.					
	5x2x	$\frac{\pi}{4}(1.23)^2$	0.62x		$7.37m^3$
					$= 153.05m^3$
					$= 153.05m^3$
17. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
18. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
19. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
20. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
21. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
22. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
23. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
24. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
25. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
26. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
27. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
28. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
29. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
30. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
31. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
32. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
33. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
34. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
35. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
36. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
37. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
38. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
39. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
40. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
41. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
42. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
43. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
44. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
45. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
46. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
47. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
48. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
49. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$
50. Prov. & Laying R.C.C. N.P.3					
Home pits of 1000mm - 6					
	5x3x	2.50x			$37.50m$
					$= 37.50m$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Materials Statement</u>					
1) E/10 work -					3272.58m ³
2) Sand -					675.00m ³
3) Stonemetal -					630.31m ³
Sand -					414.25m ³
Stonemetal -					308.95m ³
Screenings -					74.05m ³
1) Stone chips -					145.00m ³
Coarse Sand -					72.50m ³
stone chips -					151.08m ³
1) Coarse Sand -					75.54m ³
2) Hume pipe 100mm -					37.50m
2) Hume pipe 300mm -					17.50m
Recd					
13/02/2022					
JE					
13/02/2022					

Sd. XLV Form No. 138

Particulars	Details of actual measurement				Contents of area
	No.	L	B	H	
Abstract of m/v					
1. Filling of cutting at					
Vide item No 1 PM-1					
1.4019m ² @ ₹ 1137.523/m ² = ₹					159250
2. Clearing & grubbing road					
Land with - - - @					
Vide item No 2 PM-1					
0.981ha @ ₹ 52978.20/ha = ₹					5193800
Excavation for roadway					
In soil using - - - @					
Vide item No 3 PM-1					
75.00m ³ @ ₹ 75.54/m ³ = ₹					566800
3. Construction of embankment					
with materials - - - @					
Vide item No 4(A) PM-5					
598.69m ³ @ ₹ 192.02/m ³ = ₹					11476000
4. Construction of embankment					
with materials 1000 - - - @					
Vide item No 4(B) PM-5					
256.58m ³ @ ₹ 154.58/m ³ = ₹					3966200
5. Construction of subgrade					
and earth - - - @					
Vide item No 5 PM-5					
2268.50m ³ @ ₹ 1700.11/m ³ = ₹					43103800
6. Filling in trenches. Et					
Vide item No 6 PM-5					
675.00m ³ @ ₹ 1724.09/m ³ = ₹					129876100
					₹ 175795200

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13.82	1757.95200
3. Construction of C. S. B. with well graded				ET	
Vide item No 7 PM-5					
29.00m ³ e $\bar{z}$ 2537.87/m ³ e $\bar{z}$					1850.10700
Pro. laying, spreading & Compacting Gr III - ET					
Vide item No 8 PM-5					
7.18m ³ e $\bar{z}$ 3295.65/m ³ e $\bar{z}$					5838.17200
3 Construction of C. S. B. well graded - ET					
Vide item No 9 PM-6					
83.25m ³ e $\bar{z}$ 2537.87/m ³ e $\bar{z}$					2112.78200
1/4. Pro. laying, spreading and Compacting Gr III - ET					
Vide item No 10 PM-6					
78.15m ³ e $\bar{z}$ 3295.65/m ³ e $\bar{z}$					2575.98200
2/12. Construction of Unreinforced Cement - ET					
Vide item No 11 PM-7					
161.105m ³ e $\bar{z}$ 6442.64/m ³ e $\bar{z}$					1037.94200
3/12. Pro. and laying of reinforced - ET					
Vide item No 12 PM-7					
17.50m ³ e $\bar{z}$ 835.65/m ³ e $\bar{z}$					1462.4200
14/27 Pro. raising of typical at m m 887					
Vide item No 13 PM-7					
2 Nos. e $\bar{z}$ 9453.97/each e $\bar{z}$					18908200
					5932136200

Continuation

Continuation