

Schedule XLV-Form No. 134

MR Road NMP
Garsanda Hault To Bitta
Lakhi'sara' **DIVISION**

Ramgarh-chowk, **SUB-DIVISION**

Agency — Rajnish kumar

879

MEASUREMENT BOOK

47 MBD/2023-24

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).

1) PW cleanup and grubbing
road land like 20-7/8

$204 \times 100 \times 25 \times 1.00 = 5000 \text{ m}^3$

$20 \times 15 \times 15 \times 1.00 = 30 \text{ m}^3$

Total: 5030 m^3

$\approx 0.503 \text{ Mst.}$

2) Plw Scramifylop Boisstep B.T

Surface	Area	do	Pl
3x	12.00x	1.50 =	54m ²
5x	9.5x	0.89 =	42.20m ²
6x	15x	1.20 =	108.00m ²
4x	11.5x	1.60 =	73.60m ²
3x	12.00x	1.80 =	64.8m ²
Continuation			
4x	12.00x	1.60 =	76.80m ²
4x	11.50x	1.70 =	78.20m ²
497.67m ²			

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					Contd. 497.67m ²
	4x	9.7x	1.82		69.84m ²
	5x	13.5x	1.5		108.00m ²
	8x	11.0x	1.8		59.40m ²
	2x	8.5x	2.17		35.70m ²
	3x	9.2x	2.602		71.76m ²
	4x	10.50x	1.802		75.60m ²
	2x	9.5x	1.902		36.15m ²
					Total 954.07m ²
3) PW & fixing informally					
Sigs Board with logo					
at 100m from TL					

					2.10
4) PW Construction of G.B					
with gradip B. at 0.5					
Pots measurement					
	1x	8.5x	1.65x	0.152	2.10m ³
	2x	9.6x	0.85x	0.182	2.448m ³
	4x	12.5x	1.15x	0.152	8.625m ³
	3x	16.00x	2.10x	0.182	15.12m ³
	2x	12.00x	2.65x	0.182	9.54m ³
	3x	7.8x	1.85x	0.152	6.49m ³
	4x	9.6x	1.25x	0.152	7.20m ³
	3x	12.00x	1.80x	0.182	9.72m ³
	2x	15.00x	1.65x	0.152	7.42m ³

Continuation

Total 68.68m³

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1x 15.00x	1.15x	0.152	8.65m ³		
3x 9.60x	1.20x	0.152	2.58m ³		
2x 7.90x	1.20x	0.152	5.18m ³		
1x 12.50x	2.10x	0.152	2.08m ³		
3x 8.5x	2.35x	0.152	3.937m ³		
4x 6.5x	2.15x	0.152	8.988m ³		
3x 11.0x	1.65x	0.152	8.38m ³		
2x 10.0x	1.90x	0.152	8.17m ³		
			5.70m ³		
			Total 114.65m ³		

28/3/04
S. K. K.

Date of Entry

1) PW WRM gate etc. 11.

1x 8.5x	1.65x	0.0782	1.052m ³
2x 9.6x	0.85x	0.0752	1.224m ³
4x 12.5x	1.15x	0.0752	4.312m ³
3x 16.0x	2.10x	0.0782	7.560m ³
2x 12.0x	2.65x	0.0782	4.770m ³
3x 7.8x	1.85x	0.0752	3.246m ³
4x 9.6x	1.85x	0.0752	4.325m ³
3x 12.0x	1.80x	0.0752	4.86m ³
2x 15x	1.65x	0.0782	3.712m ³
1x 15.0x	1.15x	0.0752	1.293m ³
3x 9.6x	1.20x	0.0752	2.592m ³

Continuation
1x 12.0x 1.25x 0.0782 1.125m³

2x 7.20x 1.30x 0.0782 1.540m³

1x 12.5x 2.10x 0.0782 1.968m³

Total = 43.574m³

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				811	43.574m ³
4x	6.5x	2.15x	0.078x		4.192m ³
8x	8.5x	2.35x	0.078x		4.494m ³
3x	9.6x	1.85x	0.078x		3.996m ³
4x	6.5x	2.15x	0.078x		4.192m ³
3x	12.6x	1.75x	0.078x		4.989m ³
3x	11.0x	1.65x	0.078x		4.083m ³
2x	10.0x	1.20x	0.078x		2.88m ³
4x	8.6x	2.10x	0.078x		5.418m ³
3x	12.5x	1.85x	0.078x		4.64m ³
2x	9.5x	2.35x	0.078x		3.348m ³
				Total	85.776m ³

~~16/4/02~~ ~~16/04/02~~
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Sub of City

1) for Construction of Subgrade and earthen shoulder etc.

2x	40x30x	$\frac{1.00+1.20}{2} \times 0.35$	= 924.0m ³
2x	15x30x	$\frac{0.90+1.20}{2} \times 0.40$	= 378.0m ³
2x	5x30x	$\frac{1.00+1.20}{2} \times 0.40$	= 132.0m ³
2x	10x30x	$\frac{0.90+1.20}{2} \times 0.35$	= 220.5m ³
2x	2x30x	$\frac{1.10+1.20}{2} \times 0.30$	= 13.20m ³
		Total	1667.70m ³

Continuation

1667.70

~~12/8/02~~ ~~12/08/02~~
 OE. Serial number
 12/9/02
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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	<u>Date of Entry</u>				
1) PH WBM gate etc. do 73					
1x 8.5x 1.65x 0.075 =					1.052m ³
2x 9.6x 0.85x 0.075 =					1.224m ³
2x 8.6x 1.35x 0.075 =					1.741m ³
4x 12.5x 1.15x 0.075 =					4.312m ³
3x 16.5x 2.10x 0.075 =					7.560m ³
4x 8.30x 1.35x 0.075 =					3.361m ³
2x 12.00x 2.65x 0.075 =					4.725m ³
3x 7.80x 1.85x 0.075 =					3.246m ³
2x 9.6x 2.35x 0.075 =					3.384m ³
3x 8.30x 1.85x 0.075 =					3.455m ³
2x 5.8x 2.10x 0.075 =					1.827m ³
4x 9.60x 1.58x 0.075 =					4.320m ³
3x 12.0x 1.80x 0.075 =					4.860m ³
2x 15x 1.65x 0.075 =					3.712m ³
3x 15x 1.15x 0.075 =					3.881m ³
3x 9.60x 1.20x 0.075 =					2.592m ³
1x 12.0x 1.25x 0.075 =					1.125m ³
2x 7.90x 1.30x 0.075 =					1.520m ³
3x 8.8x 2.10x 0.075 =					4.163m ³
1x 12.50x 2.10x 0.075 =					1.968m ³
4x 6.5x 2.15x 0.075 =					4.192m ³
3x 8.5x 2.35x 0.075 =					4.494m ³
3x 9.6x 1.85x 0.075 =					3.996m ³
4x 6.5x 2.15x 0.075 =					4.192m ³
3x 12.6x 1.75x 0.075 =					4.989m ³
3x 11.0x 1.65x 0.075 =					4.083m ³
2x 10.0x 1.90x 0.075 =					2.85m ³
Total					92.786m ³

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					92.78 m³
4x	8.6x	2.10x	0.07x		5.418 m ³
3x	12.8x	1.68x	0.07x		4.64 m ³
2x	9.8x	2.38x	0.07x		3.328 m ³
2x	8.30x	2.86x	0.07x		3.56 m ³
5x	6.30x	1.80x	0.07x		4.28 m ³
3x	11.80x	2.10x	0.07x		5.433 m ³
4x	8.90x	2.38x	0.07x		6.274 m ³
1x	16.0x	2.20x	0.07x		2.64 m ³
4x	9.5x	1.85x	0.07x		5.272 m ³
3x	6.9x	2.18x	0.07x		3.337 m ³
4x	12.50x	1.50x	0.07x		5.625 m ³
				Total	142.578 m ³

2) P/R Prime Cost w/R S.S.1

etc... etc... T/S

$$\text{w/RM Qty n'de P-①} = 142.578 \text{ m}^3 / 0.07 \\ = 1901.0 \text{ m}^3$$

3) P/R Pack Cost w/R R.S.1

etc... etc... T/S

Qty n'de Item-②

$$1901.0 \text{ m}^3$$

4) P/R Pack Cost w/R R.S.1

etc... etc... T/S

$$1 \times 30.00 \times \frac{4.6 + 4.0}{2} = 129.0 \text{ m}^3$$

$$2 \times 30.00 \times \frac{4.00 + 3.80}{2} = 234.0 \text{ m}^3$$

$$5 \times 30 \times \frac{3.80 + 3.75}{2} = 566.25 \text{ m}^3$$

Continuation

$$\text{Total} = 929.25 \text{ m}^3$$

- C/O -

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
			18/12		929.25m ²
1x 30x		3.75			112.50m ²
1x 30x		3.75 + 4.20			127.50m ²
7x 30x		3.75			787.50m ²
1x 30x		3.75 + 3.90			114.75m ²
20x 30x		3.75			2250.00m ²
1x 30x		3.75 + 4.25			120.00m ²
3x 30x		3.75 + 3.90			344.25m ²
1x 30x		3.75 + 4.20			119.25m ²
17x 30x		3.75 + 3.80			1925.25m ²
1x 30x		3.75 + 4.20			119.25m ²
1x 30x		3.90 + 4.20			129.00m ²

10x 30x		3.85 + 3.75			1140.00m ²
11x 30x		3.75 + 3.80			1245.75m ²
1x 29x		3.75 + 3.85			1102.00m ²
Total					9573.70m ²

5) PW SD B.C with 568

etc... L... 113

1x 30.00x		4.6 + 4.0	0.025		3.225m ³
2x 30.00x		4.0 + 3.90	0.025		5.85m ³
5x 30.00x		3.80 + 3.75	0.025		14.156m ³
1x 30.00x		3.75	0.025		2.812m ³
1x 30x		3.75 + 4.20	0.025		3.169m ³
7x 30x		3.75	0.025		19.687m ³

Continuation

1x 30.00x 3.75 + 3.90 0.025 = 2.869m³

20x 30x 3.75 x 0.025 = 56.250m³

Total 108.018m³

- e/o -

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				108.018m ³	
1x 30x 3.75 + 4.75				$\times 0.025 = 3.00m^3$	
3x 30x 3.75 + 3.90				$\times 0.025 = 8.494m^3$	
1x 30x 3.75 + 4.00				$\times 0.025 = 2.906m^3$	
17x 30x 3.75 + 3.80				$\times 0.025 = 48.131m^3$	
1x 30x 3.75 + 4.20				$\times 0.025 = 2.981m^3$	
1x 30x 3.90 + 4.70				$\times 0.025 = 3.225m^3$	
10x 30x 3.85 + 3.75				$\times 0.025 = 28.80m^3$	
11x 30x 3.75 + 3.80				$\times 0.025 = 31.144m^3$	
1x 29x 3.75 + 3.95				$\times 0.025 = 2.753m^3$	
				Total	239.156m ³

6) PW Road Marking with

hot applied thermos

plastic paints etc. etc.

$$3 \times 4.5 \times 0.10 = 1.35m^2$$

$$2 \times 83 \times 30 \times 0.10 = 498.0m^2$$

$$2 \times 1 \times 29 \times 0.10 = 5.80m^2$$

$$\text{Total } 505.15m^2$$

7) PW R.C.C M. 18 km and

200 m stone etc. etc.

km stone 4 m

200 m stone - 11 m

8) PW Direction and place Board

etc. etc. etc.

$$2 \times 1.2 \times 0.80 = 1.92m^2$$

Continuation

[illegible]**Continuation**

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Sch.XLV-Form No. 134					Contents of area
Particulars	Details of actual measure				
	No.	L.	B.	D.	
<u>Abstract of Est</u>					
1) clearing and grubbing road					
land etc. do. etc. 713					
0.503 Hect etc wide ①					
@ 75573.34/Hect 38013=					
2) PW Graveling the Existing					
surface etc. do. etc. 713					
954.92m ² etc wide ②					
Est. 948.28m ² @ 20.58/m ² 19518=					
3) PW Construction of Subgrade					
and earthen shoulder etc.					
1667.700 m ³ etc wide ③					
Est. 1667.700 m ³ @ 262.74/m ³ 438171=					
4) PW G.S.B with grading					
etc. do. etc. 713					
114.65 m ³ etc wide ④					
Est. 113.56m ³ @ 1500.18/m ³ 170360=					
5) PW WBM grd etc. do. etc. 713					
85.776 m ³ etc wide ⑤					
Est. 85.53 m ³ @ 3249.23/m ³ 277907=					
6) PW WBM grd etc. do. etc. 713					
142.57 m ³ etc wide ⑥					
Est. 142.55 m ³ @ 2814.66/m ³ 401230=					
7) PW Prime Coat with S.S.					
etc. do. etc. 713					
1901.4 m ² etc					
Est. 1900.62m ² @ 59.91/m ² 113869=					
Continuation ⑥					
Total 1459068=					

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B/F 61459068=
8) PW Patch Repair every 100m					
with M.S.S. etc. do. 100					
1901. M ² qty used ③					
1.1900.67m ² @ 283.96/m ²					53971421
PW Track Coat with R.S.					
etc. do. 100					
1901.0 M ² qty used ③					
9573.70m ² qty used ③					
11474.70m ² @ 20.56/m ²					23592082
9) PW S.D. B.C. with S.65					
etc. do. 100					
239.154 M ³ qty used ③					
@ 13764.90/m ³					329193120
11) PW R.E.C. 15 KM & 200 m					
Stone etc. do. 100					
4 No. 100m stone qty used ③					
@ 2942.43/each					117702
11 No. 200m stone qty used ③					
@ 842.33/each					926922
12) PW Direction & Place Band					
etc. do. 100					
1.92m ² qty used ③					
@ 15046.46/m ²					288782
					Total 55,76,6502

Continuation

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55765502W

12 B.P 5576550 = 10

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B.P 5576550 = 10
13) PW & fix-up Retro reflective Traffic sign stand. etc. etc.					
1 600 mm equilateral Triangle					
10 nos Qty note 1-9					
@ Rs 4470.44/each					Rs 44704.20
14) 600 mm Circular					
8 nos Qty note 1-9					
@ Rs 4343.44/each					Rs 34748.20
15) 600 mm x 450 mm Rectangular					
3 nos Qty note 1-9					
@ Rs 4198.71/each					Rs 12597.20
16) 900 mm Octagon					
4 nos Qty note 1-9					
@ Rs 8668.28/each					Rs 34673.20
17) PW R.e.e M15 B/pillar					
etc. etc. etc.					
72 nos Qty note 1-9					
@ Rs 810.37/each					Rs 58347.20
18) PW Road Marking with hot applied thermoplastic					
etc. etc. etc.					
505.15 m ² Qty note 1-9					
@ Rs 886.46/m ²					Rs 447795.20
					Total Rs 620951.40

Continuation

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62094145K

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B.F 620951420
19) PW & fix up Informative signs					
Board with Logo & Maint Board					
size - 1m x 0.75m					
2 nos. qty under					2329020
@ 11644.91 / each					2335620
6232704					62328702
Add L.C @ 1%					6232704
					5232920
Add GST @ 18%					121887
					112191220
Add S.F					70,70020
					Total 62,97,81620
748761820					74,87,81620

Reduct @ 10%					748761820
					748761820
					673885620
					673885620
					673885620
					673885620
					673885620
					673885620
					673885620
					673885620

Material statement

1) Metal -	92.48 + 273.69 =	371.14 m ³
2) Screws -	65.35 + 47.89 =	113.24 m ³
3) chips -	341.98	m ³
4) Bar -	1667.7	m ³
5) S.S-1	1615.56	kg
6) R.S-1	3155.54	kg
7) S-20 -	3611.27	kg
8) S-65 -	28698.48	kg

Continuation

Sumit Kumar
25/12/24 TS

Memo of Payment

Rs. 65,00,000/-

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Total =	650000	00	00	00	
S.D.C. 5%	325000	00	00	00	
I.T.C. 1%	65000	00	00	00	
L.C. 1%	65000	00	00	00	727720
CGST 1%	65000	00	00	00	650000
SGST 1%	65000	00	00	00	1377720
Royalty	72020	00	00	00	
S.F.	70700	00	00	00	
	51,22,280	00	00	00	
Net Pay -	5772280	00	00	00	
Total =	65,00,000	00	00	00	
Paid for Rs. 65,00,000/- (Sixty five lakh) only.					

Executive Engineer
RWD Works Division
Lakhisarai

Rakshita
27/12/24

27/12/24

Continuation