

Name of Road - 1027 - Amiyawar
to Lhohghahar (ODR 10)
Schedule XLV-Form No. 134

Murlihar-singh **DIVISION**
Package No - MR-12023-24 Sasaram-
2/06 **SUB-DIVISION**
Nasriganj

MB No - 1276

MEASUREMENT BOOK

1.
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.	
N/w - Construction of road from L 027- Amiyawar to Ghofaha (ODR 10)					
Agency - Murkidhar Singh.					
AT - Company Sarai, Rauza road no-1					
Distt - Rohitas (Bihar)					
Aggr. no - 06/MBD/2024-25					
Date of work start - 23.10.2024					
Stipulated date of Completion - 22.07.2025					

MEASUREMENT

(1/1) Clearing and grubbing road land by (manual means)

.. do - - - do

$$2 \times 3415 \text{ m} \times 0.750 \text{ m} = 5122.50 \text{ m}^2$$

$$= \frac{5122.50}{10000} \text{ Hectare} = 0.512 \text{ Hectare}$$

(2/2) Excavation for roadway in soil - - do - - do

$$2 \times (393 - 14) \text{ m} \times 0.375 \text{ m} \times 0.200 \text{ m}$$

$$= 2 \times 379 \text{ m} \times 0.375 \text{ m} \times 0.2 \text{ m} = 56.85 \text{ m}^3$$

(3/4) Providing G.S.B with well graded material (gravel-2) - do

ch. 0 m to 302.2 m (Pot patch)

no	L (m)	B (m)	Area (m ²)
1 X	2.00	1.65	3.30

Continuation



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 Situation of work -
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MEASUREMENT

(1/1) clearing and grubbing road land by (manual means)					
do	-	-	-	do	
$2 \times 3415 \text{ m} \times 0.750 \text{ m} = 5122.50 \text{ m}^2$					
$= \frac{5122.50}{10000} \text{ Hectare} = 0.512 \text{ Hectare}$					
(2/2) Excavation for roadway in soil					
do	-	-	do	-	do
$2 \times (393 - 14) \text{ m} \times 0.375 \text{ m} \times 0.200 \text{ m}$					
$= 2 \times 379 \text{ m} \times 0.375 \text{ m} \times 0.2 \text{ m} = 56.85 \text{ m}^3$					
(3/4) Providing G.S.B with well graded material (grading - 2)					
ch. 0 m to 302.2 m (Pot patch)					
no	L (m)	B (m)			Area (m ²)
Continuation					
1 X	2.00	1.65			= 3.30

Particulars	Details of actual measure				Contents of area
	No.	L. (m)	B. (m)	D.	
No					Area (m ²)
1x	36.0	0.63			
1x	2.36	0.56		=	22.68
2x	2.36	0.95		=	1.32
3x	2.89	0.85		=	4.48
1x	2.84	0.65		=	7.37
2x	2.65	0.89		=	1.85
2x	3.26	0.65		=	4.72
1x	3.15	0.85		=	4.24
2x	3.26	0.95		=	2.68
2x	2.15	0.65		=	6.19
1x	2.14	0.95		=	2.80
1x	2.98	0.56		=	2.03
				=	1.67

1x	3.65	0.95		=	3.47
1x	3.65	1.05		=	3.83
2x	3.21	1.15		=	7.38
3x	3.26	1.05		=	10.27
4x	2.37	0.86		=	8.15
1x	3.65	1.15		=	4.20
1x	3.25	0.85		=	2.76
2x	3.65	0.65		=	4.75
4x	2.40	0.95		=	9.12
1x	2.10	0.85		=	1.79
1x	1.23	0.98		=	1.21
					122.26 m ²
Qty = 122.26 m ² x 0.175 m					
= 21.40 m ³ (i)					

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Be side of P.C.C. for provision of rigid road					
2x 10x30 m x 0.375 m x 0.1 m =					22.50 m ³
2x 1x16 m x 0.375 m x 0.1 m =					1.20 m ³
2x 2x30 m x 0.375 m x 0.1 m =					4.50 m ³
2x 3 m x 0.375 m x 0.1 m =					0.23 m ³
Total = (i) + (ii) =					28.43 m ³
= 49.83 m ³ — (A)					
Curve portion					
10 m x $\frac{6+11.6+4.4}{3} - 3.75$ m x 0.1 m					
= 10 m x (7.133 - 3.75) m x 0.1 m					
= 10 m x 3.58 m x 0.1 m					
= 3.58 m ³ — (B)					
Total = A + B = (49.83 m ³ + 3.58 m ³)					
= 53.41 m ³					
Const. of H.P. Culvert (concrete) - 823 m					
(4/22) E/w in excavation for foundation of structure — do					
Headwall					
2x 6.45 m x 1.4 m x 1.50 m =					27.09 m ³
Below pipe					
1x 4.85 m x 1.53 m x 0.365 m =					2.71 m ³
					29.80 m ³
(5/23) Providing P.C.C. (M-15) as					
levelling course in foundr. — do					
H.W. 2x 6.45 m x 1.4 m x 0.150 m =					2.709 m ³
Below pipe 1x 4.83 m x 1.53 m x 0.250 m =					1.886 m ³
					4.60 m ³

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(23/6) providing W.B.M (grading-3)					
do	do				
Qty = 40.858 m ³				Page - 22	
@ Rs 4242.30/m ³				Rs 171211=00	
(24/12) Construction of Panel					
Concrete pavement (M-30)- do-do					
Qty = 157.28 m ³				Page - 22	
@ Rs 8082.06/m ³				Rs 1271146=00	
(25/7) providing and applying					
prime coat (SS-1) - do-do					
Qty Rs 58.01/m ²				Page - 22	
@ 58.01/m ²				Rs - 31216=00	
(26/8) Providing and applying					
tack coat - do-do					
Qty = 538.11 m ²				Page - 22	
@ 19.91/m ²				Rs 10714=00	
(27/9) providing and applying tack					
coat with bitumen emulsion (RS-1)					
do - do					
Qty = 11160 m ²				Page - 22	
@ 16.64/m ²				Rs 185702=00	
(28/10) providing and laying semi dense					
bituminous concrete - do					
Qty 282.92 m ³				Page - 22	
@ 13354.69/m ³				Rs 3778309=00	
(29/27) Brick masonry in cement					
mortar (1:3) in parapet - do					
Qty - 34.27 m ³				Page - 22	
@ 6487.84/m ³				Rs 222338=00	
				Rs - 6928777=00	

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(30/28) plastering with (1:4) on brick work do do					
Qty = 244.80 m ²					Page-23
@ Rs 194.76/m ²					Rs-47677=00
(31/29) painting two coats do do					
Qty = 244.80 m ²					Page-23
@ Rs 136.59/m ²					Rs-33437=00
(32/3) Cont of subgrade and earthen shoulder do do					
Qty = 2445.08 m ³					Page-23
@ Rs 264.72/m ³					Rs-647262=00
(33/14) R.C.C (M-15) grade km					

Local Stone of standard design do					
(i) km Stone 203 nos (Page-23)					
@ Rs 2740.37/each					Rs 8221=00
(ii) 200m Stone = 14 nos (Page-23)					
@ Rs 782.96/each					Rs 10961=00
(34/15) providing and erecting direction and place identification retro-Reflectioned sign do do					
Qty = 2.88 m ²					Page-23
@ Rs 14887.65/m ²					Rs 42876=00
(35/18) providing boundary pillars gound post do do					
Qty 320 nos					Page-23
@ Rs 663.28/each					Rs-212250=00

Continuation

Rs. 7931461=00

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(36/16) Providing and erecting new metal beam crash barrier.. do.					
Qty = 80m				Page - 24	
@ Rs 3287.03/m				Rs. 262962=00	
(37/20) Providing and laying Road marking of hot applied thermoplastic compound - do - do					
(i) At edge of BT. portion					
Qty 595.20m ²				Page - 24	
@ Rs 886.50/m ²				Rs 527645=00	
(ii) Pedestrian crossing - do					
Qty 1.50m ²				Page - 24	
@ Rs 886.50/m ²				Rs 1330=00	
(iii) At edge for new and old cc portion					
Qty = 87.80m ²				Page - 24	
@ Rs 998.82/m ²				Rs 86818=00	
(38/17) Providing and fixing Retro-reflectized cautionary, mandatory and informatory sign - do - do					
600mm equilateral triangle = 16 Nos					
vide T.M.B				Page - 24	
@ 4355.60/each				Rs 69690=00	
600mm circle = 02 Nos					
@ Rs 4226.43/each				Rs 8453=00	
600mm x 450mm rectangular = 03 Nos					
@ Rs 4081.90/each				Rs 12246=00	

Continuation

Rs - 8900605=00

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
900mm side octagon - 01m ²					
@ Rs 8551.24/each					Rs 8551.24
(1/19)					
planting of trees by the road					
Side - de - clo					
Qty. 149 Nos					page - 28
@ Rs 1305.10/each					Rs - 194450.00
					Rs = 9103616.00
Add 18% GST					Rs = 1638650.88
					Rs = 10742266.88
Add 1% labour cess					Rs 91036.16
					Rs = 10833303.00
Add Seigniorage fee					Rs = 181519.00
					Rs = 11014922.00

Less as per Agreement @

0.25% below Rs - 127537.00

Rs - 10987385.00

Previous Pay Rs - 10456556.00

Rs - 230829.00

C.A.
 31/01/25
 N.E.

31/01/25
 N.E.

Work has been completed as per
 specification. 31/01/25 N.E.

Material Statement - NIL

Continuation