

MR-3054-2018 New Maint. Policy
(MR-N/22-23/Lakhisarai/03)

Schedule XLV-Form No. 134

Amhara Jharkhar Path to Kishunpur village.

S.B. Engicon Pvt Ltd

Ag. No: - 29 MBD/22-23

DIVISION

Start Date: - 21.12.22

End Date: - 20.09.23

SUB-DIVISION

799

MEASUREMENT BOOK

Sch. XLV—Form No. 134

DIVISION

SUB-DIVISION

Measurement Book

No. 799

प्रमाणित किया जाता है कि इस
मापी पुस्त में कुल 100 (सौ) पन्ने हैं

Name of Officer

जो सहा. अ. कार्य अवर प्रमोवल
लक्ष्मीशराय के नाम निर्गत किया

Date of first entry

जाता है।
Date of last entry

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमण्डल, लखीसराय

15/1/27

Name to work—

1

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.	

Name of work— Amhara ghakar path

To Kishunpur village

Name of Agency— S. B. EngiCon Pvt. Ltd.

Agreement No. — 49 mBD of 2023-24

Date of start — 24-12-2022

Date of Completion — 20.09.2023

Date of measurement — 05-06-2023

Record measurement

① Clearing and Grubbing road

$$2 \times 5 \times 30 \times 1.00 = 300 \text{ m}^2$$

$$2 \times 5 \times 30 \times 1.00 = 300 \text{ m}^2$$

$$2 \times 5 \times 30 \times 1.00 = 300 \text{ m}^2$$

$$2 \times 5 \times 30 \times 1.00 = 300 \text{ m}^2$$

$$2 \times 6 \times 30 \times 1.00 = 360 \text{ m}^2$$

$$2 \times 1 \times 20 \times 1.00 = 40 \text{ m}^2$$

$$1600 \text{ m}^2$$

$$= 0.16 \text{ Hect}$$

② Construction of Subgrade and

earthen shoulder etc. all Comp.

for CC Road

$$2 \times 2 \times 30 \times 0.850 + 0.780 \times 0.300 = 23.34 \text{ m}^3$$

$$2 \times 5 \times 30 \times 0.780 + 0.730 \times 0.300 = 67.95 \text{ m}^3$$

$$2 \times 4 \times 30 \times 0.730 + 0.735 \times 0.300 = 52.24 \text{ m}^3$$

$$2 \times 3 \times 30 \times 0.735 + 0.765 \times 0.300 = 40.50 \text{ m}^3$$

$$2 \times 2 \times 30 \times 0.765 + 0.795 \times 0.300 = 56.16 \text{ m}^3$$

$$2 \times 1 \times 30 \times 0.795 + 0.790 \times 0.300 = 13.84 \text{ m}^3$$

Continuation 260.50 m³Limit — 247.50 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for BT Road					
$2 \times 3 \times 30 \times \frac{1.14 + 1.12}{2} \times 0.450$					$= 31.53 \text{ m}^3$
$2 \times 3 \times 30 \times \frac{1.12 + 1.11}{2} \times 0.450$					$= 30.31 \text{ m}^3$
$2 \times 1 \times 20 \times \frac{1.11 + 1.13}{2} \times 0.450$					$= 20.16 \text{ m}^3$
					202 m^3

③ Construction of GSB Gr-1 etc.

all Comp

1 x 4 x	1.80 x	0.100	= 0.72 m ³
1 x 3 x	1.30 x	0.100	= 0.39 m ³
1 x 2 x	1.40 x	0.100	= 0.28 m ³
1 x 5 x	1.80 x	0.100	= 0.90 m ³
1 x 4 x	1.60 x	0.100	= 0.64 m ³
1 x 6.0 x	1.50 x	0.100	= 0.90 m ³
1 x 5.0 x	1.70 x	0.100	= 0.85 m ³
1 x 2.0 x	1.80 x	0.100	= 0.36 m ³

1 x 3.0 x	1.90 x	0.100	= 0.57 m ³
1 x 4.0 x	2.10 x	0.100	= 0.84 m ³
1 x 2 x	2.20 x	0.100	= 0.44 m ³
1 x 4.0 x	2.10 x	0.100	= 0.84 m ³
1 x 3.0 x	2.10 x	0.100	= 0.63 m ³
1 x 2.0 x	1.90 x	0.100	= 0.38 m ³
1 x 3.0 x	2.30 x	0.100	= 0.69 m ³
1 x 5.0 x	1.90 x	0.100	= 0.95 m ³
1 x 3.0 x	2.10 x	0.150	= 0.95 m ³

$\frac{23}{106} \times 23$ $\frac{25}{106} \times 23$ 11.33 m^3

④ p/l. spreading and Compaction

WBM Gr-3 etc. all Comp.

1 x 4.0 x	1.9 x	0.075	= 0.57 m ³
1 x 3.0 x	1.4 x	0.075	= 0.32 m ³

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x	2.0x	1.5x	0.075		= 0.23 m³
1x	5.0x	1.9x	0.075		= 0.71 m³
1x	4.0x	1.7x	0.075		= 0.51 m³
1x	6.0x	1.6x	0.075		= 0.72 m³
1x	5.0x	1.8x	0.075		= 0.68 m³
1x	2.0x	1.9x	0.075		= 0.29 m³
1x	3.0x	2.0x	0.075		= 0.45 m³
1x	4.0x	2.2x	0.075		= 0.66 m³
1x	2.0x	2.3x	0.075		= 0.35 m³
1x	4.0x	2.2x	0.075		= 0.60 m³
1x	3.0x	2.2x	0.075		= 0.50 m³
1x	2.0x	2x	0.075		= 0.20 m³
1x	3.0x	2.4x	0.075		= 0.54 m³

1x	5.0x	2x	0.075		= 0.75 m³
1x	3.0x	2.2x	0.075		= 0.50 m³
1x	5.0x	1.10x	0.075		= 0.41 m³
1x	4.0x	0.70x	0.075		= 0.21 m³
1x	3.0x	0.80x	0.075		= 0.18 m³
1x	4.0x	1.0x	0.075		= 0.30 m³
1x	5.0x	1.10x	0.075		= 0.41 m³
1x	8.0x	1.30x	0.075		= 0.78 m³
1x	2.0x	1.20x	0.075		= 0.18 m³
1x	9.0x	0.50x	0.075		= 0.34 m³
1x	8.0x	0.90x	0.075		= 0.54 m³
1x	4.0x	1.00x	0.075		= 0.30 m³
A/c 30/06/23 JE					46 30/06/23 12.36 m ³
⑤ p/A primer Coat with bitumen					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
emulsion etc. all Comp.					
Area vide Gr-12 in BT portion					
$= \frac{12.36}{0.075}$					$= 164.80 \text{ m}^2$
⑥ p/A tack Coat with bitumen emulsion etc. all Comp.					
Same as prime Coat					164.80 m^2
$2 \times 30 \times \frac{3.92 + 3.76}{2}$					$= 230.40 \text{ m}^2$
$2 \times 30 \times \frac{3.76 + 3.78}{2}$					$= 226.20 \text{ m}^2$
$2 \times 30 \times \frac{3.78 + 3.95}{2}$					$= 235.90 \text{ m}^2$
$1 \times 20 \times \frac{3.95 + 3.62}{2}$					$= 75.70 \text{ m}^2$
					764.20 m^2
					omit 75.70 m^2
⑦ p/L and rolling of close-graded premix etc. all Comp.					
Qty Same as item no ⑤					164.80 m^2
⑧ p/L Semidense bituminous Concrete with 100-120 TPH etc. all Comp.					
$1 \times 25 \times \frac{3.95 + 3.82}{2} \times 0.025$					$= 2.43 \text{ m}^3$
$2 \times 30 \times \frac{3.82 + 3.75}{2} \times 0.025$					$= 5.68 \text{ m}^3$
$2 \times 30 \times \frac{3.75 + 3.55}{2} \times 0.025$					$= 16.42 \text{ m}^3$
$1 \times 25 \times \frac{3.55 + 3.80}{2} \times 0.025$					$= 2.30 \text{ m}^3$
$1 \times 30 \times \frac{3.80 + 3.73}{2} \times 0.025$					$= 2.82 \text{ m}^3$
After 28 days					29.65 m^3
⑨ Construction of dry lean					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Concrete etc. all Comp					
	4 x 15 x	1.85 x	0.075		$= 8.33 \text{ m}^3$
	2 x 18 x	1.5 x	0.075		$= 4.05 \text{ m}^3$
					12.38 m^3

(10) Construction of un-reinforced

PCC pavement etc. all Comp.

	1 x 24 x	3.92 + 3.85	x 0.160		$= 4.92 \text{ m}^3$
	2 x 25 x	3.85 + 3.86	x 0.160		$= 3.84 \text{ m}^3$
	3 x 30 x	3.86 + 3.70	x 0.160		$= 5.44 \text{ m}^3$
	2 x 30 x	3.70 + 3.86	x 0.160		$= 3.62 \text{ m}^3$
	1 x 18 x	3.86 + 3.45	x 0.160		$= 10.53 \text{ m}^3$
	2 x 15 x	3.45 + 3.42	x 0.160		$= 16.49 \text{ m}^3$

	4 x 30 x	3.42 + 4.20	x 0.160		$= 78.15 \text{ m}^3$
	1 x 30 x	4.20 + 3.78	x 0.160		$= 19.15 \text{ m}^3$
	3 x 30 x	3.78 + 3.72	x 0.160		$= 84 \text{ m}^3$
	1 x 16 x	3.72 + 3.83	x 0.160		$= 9.66 \text{ m}^3$
	1 x 22 x	3.83 + 4.05	x 0.160		$= 13.86 \text{ m}^3$
					333.32 m^3

After 14/08/23 58 ~~48~~ limit — 333.30 m^3

(11) RCC m15 grade km stone

2 Nos.

(12) RCC m15 grade 200m stone

3 Nos.

(13) Direction and place identification

etc. all Comp

$$2 \times 1.20 \times 0.80 = 1.92 \text{ m}^2$$

Particulars	Details of actual measurement				Contents of work
	No.	L	B	D	
(14) 600mm casulateral triangle					4 nos.
(15) 600mm circular					3 nos.
(16) 600mm x 450mm rectangular					3 nos.
(17) 900mm octagon stop board					1 no.
(18) RCC mis grade boundary pillars etc. all Comp.					4 nos.
(19) planting of trees and their					

Maintenance etc. All Comp. — 3 nos.

(20) p/L of hot applied thermo-

plastic Compound etc. all Comp.

BT portion

$$2 \times 6 \times 30 \times 0.100 = 36 \text{ m}^2$$

$$2 \times 1 \times 20 \times 0.100 = 4 \text{ m}^2$$

$$\text{RCC portion} \quad 40 \text{ m}^2$$

(21) p/L of hot applied thermo-

plastic Compound etc. all Comp.

$$2 \times 5 \times 30 \times 0.100 = 30 \text{ m}^2$$

$$2 \times 5 \times 30 \times 0.100 = 30 \text{ m}^2$$

$$2 \times 8 \times 30 \times 0.100 = 48 \text{ m}^2$$

$$2 \times 1 \times 10 \times 0.100 = 2 \text{ m}^2$$

$$110 \text{ m}^2$$

(22) p/L of typical masonry infirmatory

Continuation

Sch. XLV—Form No. 134					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sign board etc. all Comp					
					2 Nos.
(23) Brick masonry work in cm etc.					
all Comp					
	2x2x	6x	0.40x	0.60	= 5.76 m ³
(24) plastering with cm on brick					
work etc. all Comp					
Side face	2x4	x 6x	0.60		= 28.80 m ²
Top	2x2x	6.0 x	0.90		= 9.60 m ²
Front face	2x4	x 0.40 x	0.60		= 1.92 m ²
					40.32 m ²
(25) painting two Gals on new Concrete Surface etc all Comp.					
side face	2x4	x 6.0 x	0.60		= 28.80 m ²
Top	2x2	x 6.0 x	0.40		= 9.60 m ²
front face	2x	4x 0.40 x	0.60		= 1.92 m ²
					40.32 m ²
Akew 18/09/23 JE					
MK 18/09/23 ABZ					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

material statement

① E/W -	202 m ³				
② GSB Gr-1					
Stone metal -	10.08 m ³				
Course Sand -	4.42 m ³				
③ WBM Gr-3					
Stone metal -	14.95 m ³				
Screening material -	2.97 m ³				
④ Emulsion (SS-1) -	0.141 MT				
Emulsion (RS-1) -	0.045 MT				
Bitumen Sg -	3.871 MT				
⑤ Stone chips -	46.85 m ³				
Course Sand -	1.38 m ³				
⑥ PCC					
Aggregate -	299.97 m ³				
Sand -	149.98 m ³				

A. K. K.

18/09/23

J.E.

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/1 Clearing and Grubbing road land etc. all Comp.					
Qty vide TMBP. —				1/1	
= 0.16 Hect @ Rs. 59726/Hect —					Rs. 9556=00
2/3 Construction of subgrade and earthen shoulder etc. all Comp.					
Qty vide TMBP. —				2/2	
202 m ³ @ Rs. 253.56/m ³ —					Rs. 51219=00
3/4 Construction of GSB Gr-3 etc. all Comp.					
Qty vide TMBP. —				2/3	
= 11.32 m ³ @ Rs. 2333.65/m ³ —					Rs. 26440=00
4/5 P/L spreading and Compaction WBM Gr-3 etc. all Comp.					
Qty vide TMBP. —				3/4	
= 12.36 m ³ @ Rs. 3242.56/m ³ —					Rs. 40078=00
5/6 P/A primer Coat with bitumen emulsion etc. all Comp.					
Qty vide TMBP. —				4/5	
= 164.80 m ² @ Rs. 59.11/m ² —					Rs. 9741=00
6/8 P/A tack Coat with bitumen emulsion etc. all Comp.					
Qty vide TMBP. —				4/6	
= 757.50 m ² @ Rs. 20.12/m ² —					Rs. 15241=00
7/7 patch work over WBM using MSS etc. all Comp.					
Qty vide TMBP. —				4/7	

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
= 2 Nos. @ R. 12378.27/Ho. — R. 24757.54					
$\frac{23}{28}$ plastering with Cement mortar					
etc. all Comp.					
Qty vide TMBP. — 7/24					
= 40.32 m ² @ R. 169.19/m ² — R. 6820.00					
$\frac{24}{27}$ Brick masonry work in cm					
etc. all Comp.					
Qty vide TMBP. — 7/23					
= 5.76 m ³ @ R. 5895.55/m ³ — R. 33958.00					
$\frac{25}{30}$ painting two Coats on new					
Concrete Surface etc. all Comp.					
Qty vide TMBP. — 7/25					
= 40.32 m ² @ R. 112.90/m ² — R. 4613.00					
					R. 3382720.00
Add 1% Labour Cost — R. 33827.00					
Add 18% GST — R. 60889.00					
Seigniorage fee — R. 57804.00					
					R. 4083241.00
Less for 15.55% below					
as per Agreement — (-) R. 634944.00					
					R. 3448297.00
A. Keen 18/09/23 JE					
76 18/09/23 AB					
					AD 24/10

Continuation

Memo of Payment

Rs. ~~34,48,297~~

13

Rs. 34,48,297/-

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Comments
	No.	L	B	D	
S.D.C.S.V. —	172415	=	0		
J.P.C.2% —	68966	=	0		
L.C.C.2% —	34483	=	0		
C.G.S.T.1% —	34483	=	0		
S.G.S.T.1% —	34483	=	0		
Royalty —	30033	=	0		
S.F. —	57804	=	0		
Net Pay —	3015,630	=	0		
Total =	34,48,297	=	0		
Passed for Rs —	34,48,297	=	0		

482657/-

(Thirty four Lakh forty eight thousand two hundred ninety seven) only.

Executive Engineer
RWD Works Division
Bokharai

13/07/24

13/07/24