

સંખ્યા MR-3054 યોજનાઓના વર્ગીકરણની ઉપરથી

સંજ્ઞા Schedule XLV-Form No. 134

પાકા નં. MR-N/2019-20 Belband/05

(Assessment No. 23 MBD/2021-22)

DIVISION

Executive Engrin

RWD Works Division

SUB-DIVISION

MEASUREMENT BOOK

449

Smt. Sunita Devi.

Block- Belband

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		final		Bill
Name of work:— construction of					
Road from Patahi to Patahi Tola.					
Under M/R 3054 Scheme					
Agency:— Smt. Sunita Devi.					
Agreement No:— 23 MRD/2021-2022					
Package No:— MR-N/2019-2020 B&S and					
OS/Under M/R 3054 Scheme.					
Date of start:— 13.09.2021					
Date of completion:— 05.04.22					

Record Measurement:—					
Date of Measurement:—					
(1) clearing and grubbing					
Road land. do --- do --- G.I.					
$2 \times 2325m \times 1.0 = 4650m^2$					
$= 0.465 \text{ Hect}$					
(2) providing and laying G.S.B with					
stone materials. do --- do --- G.I.					
9x	4.0x	2.10x	0.175=	13.23m ³	
7x	3.5x	1.55x	0.175=	6.64m ³	
5x	3.2x	1.25x	0.175=	3.5m ³	
6x	3.4x	1.32x	0.175=	4.71m ³	
8x	2.5x	1.27x	0.175=	4.49m ³	
4x	2.52x	1.25x	0.175=	2.22m ³	
C.O				$= 34.74m^3$	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3x	2.10x	1.35x	0.175	=	1.48 m ²
2x	3.7x	1.45x	0.175	=	1.27 m ²
7x	3.2x	1.42x	0.175	=	5.56 m ²
5x	3.27x	1.47x	0.175	=	4.20 m ²
4x	2.7x	1.22x	0.175	=	2.30 m ²
3x	2.8x	1.32x	0.175	=	1.31 m ²
2x	2.10x	1.5x	0.175	=	1.10 m ²
2x	2.57x	1.52x	0.175	=	1.36 m ²
3x	2.45x	1.55x	0.175	=	1.39 m ²
4x	3.1x	1.0x	0.175	=	2.17 m ²
6x	2.5x	1.1x	0.175	=	2.88 m ²
5x	2.2x	1.32x	0.175	=	2.54 m ²
5x	2.5x	1.25x	0.175	=	3.82 m ²

7x	3.7x	1.10x	0.175	=	4.98 m ²
4x	2.9x	1.7x	0.175	=	3.45 m ²
3x	2.7x	1.54x	0.175	=	2.18 m ²
				=	78.53 m ²

Shiv
6.3.20
J.E

Keerthi
6.3.20
R

Record Measurement:—

Date of Measurement:—

(1/4) Providing and laying W.B.M

Gr-II with stone materials.

do ——— do ——— E/I.

5x	4.05x	1.95x	0.075	=	2.96 m ²
7x	4.0x	1.50x	0.075	=	3.15 m ²
9x	3.7x	1.35x	0.075	=	3.37 m ²
				C.O	= 9.48 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6X	3.55X	1.32	X0.075	=	2.10m ³
8X	2.52	X1.7	5X0.075	=	2.13m ³
4X	3.5X	1.25	X0.075	=	1.31m ³
3X	3.7X	1.30	X0.075	=	1.08m ³
5X	3.4X	2.52	X0.075	=	3.21m ³
7X	4.22	X1.85	X0.075	=	4.09m ³
6X	4.07	X1.90	X0.075	=	3.47m ³
8X	3.75X	2.20	X0.075	=	4.95m ³
4X	3.25X	2.10	X0.075	=	2.09m ³
5X	3.77X	2.5X	0.075	=	3.53m ³
7X	2.55X	1.5X	0.075	=	2.0m ³
3X	2.97	X1.95	X0.075	=	1.30m ³
4X	2.95	X1.30	X0.075	=	1.15m ³
5X	3.74	X1.32	X0.075	=	1.85m ³
6X	3.72	X1.45	X0.075	=	2.42m ³
3X	3.5X	1.4X	0.075	=	1.10m ³
7X	3.05X	2.27X	0.075	=	3.67m ³
5X	3.72	X2.45	X0.075	=	3.41m ³
6X	2.97	X1.54	X0.075	=	2.05m ³
4X	3.97	X1.75	X0.075	=	2.08m ³
8X	2.55	X1.55	X0.075	=	2.37m ³
5X	3.71X	2.90	X0.075	=	4.03m ³
				=	64.88m ³
28/11/22 18.3 J.E Sham 18.5 22 X					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement 1-					
Date of Measurement 2-					
(1/5) Providing and laying W.B.M Gr III					
With stone materials do - - - do -					
- - - E/I.					
5x	4.07	1.97	0.075		3.0m ³ ✓
8x	4.0x	1.52	0.075		3.64m ³ ✓
9x	3.75x	1.35x	0.075		3.41m ³ ✓
6x	3.55x	1.32x	0.075		2.10m ³ ✓
8x	2.55x	1.47x	0.075		2.24m ³ ✓
4x	3.25x	1.55x	0.075		1.51m ³ ✓
5x	3.75x	2.15x	0.075		3.02m ³ ✓
7x	3.27x	2.2x	0.075		3.77m ³ ✓
6x	2.55x	1.45x	0.075		1.66m ³ ✓
4x	3.15x	1.32x	0.075		1.24m ³ ✓
3x	2.57x	1.95x	0.075		1.12m ³ ✓
9x	4.15x	2.75x	0.075		7.70m ³ ✓
8x	4.27x	2.22x	0.075		5.68m ³ ✓
6x	3.85x	2.45x	0.075		4.24m ³ ✓
7x	4.07x	2.15x	0.075		4.59m ³ ✓
4x	3.74x	2.07x	0.075		2.32m ³ ✓
3x	2.85x	1.97x	0.075		1.26m ³ ✓
6x	4.07x	2.17x	0.075		3.97m ³ ✓
5x	4.32x	2.52x	0.075		4.08m ³ ✓
9x	4.07x	2.35x	0.075		6.45m ³ ✓
C.O.					67.01m ³ ✓

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7x	4.09	2.27	0.075		4.87m ³ ✓
8x	4.25	2.15	0.075		5.48m ³ ✓
6x	4.06	2.17	0.075		3.96m ³ ✓
5x	3.77	2.20	0.075		3.11m ³ ✓
4x	3.70	2.32	0.075		2.57m ³ ✓
8x	4.02	2.05	0.075		4.94m ³ ✓
7x	4.22	2.72	0.075		6.02m ³ ✓
6x	3.85	2.55	0.075		2.88m ³ ✓
12x	4.01	2.70	0.075		9.79m ³ ✓
5x	3.70	1.30	0.075		1.81m ³ ✓
					= 116.8m ³ ✓
Shiv					
S.E					

Record Measurement? -

Date of Measurement? -

(1/6) providing and applying Primer -

- coat. do - - - do - - - G/I.

15x	3.90	1.95		114.07m ²
25x	3.50	1.85		161.87m ²
9x	3.80	1.75		59.85m ²
8x	2.80	1.50		34.8m ²
17x	2.50	1.30		55.25m ²
22x	3.20	1.65		116.16m ²
7x	2.70	1.95		36.85m ²
6x	2.55	1.95		22.18m ²
4x	2.75	1.27		19.05m ²
10x	3.72	1.55		57.66m ²
				= 677.74m ²
				0.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12x	3.65x	1.45	=	63.51m ²	
15x	3.79x	1.50	=	84.15m ²	
19x	2.95x	1.22	=	68.38m ²	
29x	3.05x	1.92	=	103.39m ²	
8x	3.25x	1.37	=	35.62m ²	
7x	3.07x	1.97	=	31.59m ²	
9x	3.28x	1.89	=	54.31m ²	
17x	3.75x	1.54	=	98.17m ²	
19x	3.29x	1.95	=	121.89m ²	
16x	3.77x	1.85	=	111.59m ²	
23x	3.09x	1.49	=	105.89m ²	
			=	1556.78m ²	
QTY = QTY of W.B. $\frac{1556.78}{0.075}$					

$$= \frac{116.8m^3}{0.075} = 1557.33m^2$$

(2/7) Providing and applying tack-

- coat do - - - - do - G/I.

QTY vide TMBP - P-6 item N- (1/6)

item No. 1 - (2/6) same qty.

$$= \frac{1556.78m^2}{1557.33m^2}$$

gn p.c.c surface -

$$11x 2.50m x 1.0 = 27.5m^2$$

$$= \frac{1584.28m^2}{1584.83m^2}$$

(3/8) Patch work over W.B. using mix-

seal surface with waste plastic

Compound do - - - - do - G/I.

QTY vide TMBP - N- (0.6)

item No. 1 - (2/7) same qty.

$$= \frac{1584.28m^2}{1584.83m^2}$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/9) providing and applying					
tack-coat. do - - - do -					
- - - 1/2					
<u>Start point 1-</u>					
5m x 10.0m + 4.0m =					35m ² ✓
5m x 4.0m + 3.75m =					19.37m ² ✓
2 x 30m x 3.75 =					225m ² ✓
7 x 30m x 3.75 =					787.5m ² ✓
4 x 30m x 3.75 =					450m ² ✓
5 x 30m x 3.75 =					562.5m ² ✓
2 x 30m x 3.75 =					225m ² ✓
6 x 30m x 3.75 =					675m ² ✓
7 x 30m x 3.75 =					787.5m ² ✓
2 x 30m x 3.75 =					225m ² ✓
7 x 30m x 3.75 =					787.5m ² ✓
3 x 30m x 3.75 =					337.5m ² ✓
4 x 30m x 3.75 =					450m ² ✓
3 x 30m x 3.75 =					337.5m ² ✓
2 x 30m x 3.75 =					225m ² ✓
4 x 30m x 3.75 =					450m ² ✓
5 x 30m x 3.75 =					562.5m ² ✓
2 x 30m x 3.75 =					225m ² ✓
7 x 30m x 3.75 =					787.5m ² ✓
5 x 30m x 3.75 =					562.5m ² ✓
1 x 5m x 3.75 =					18.75m ² ✓
				=	8735.62m ² ✓

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/10) Semi-Dense Bituminous Concrete.					
do - - - - -	do	do	do	E/I.	
SDBCQty =	8735.62m ²			× 0.025	
	=	218.39m ³			✓
(6/12) (ii) K.m Stone.					
	1 × 4 =	4 Nos			✓
(7/13) (ii) 200mm Stone.					
	1 × 10 =	10 Nos			✓
(8/15) Retro-reflectors					
Traffic signs.					
	1 × 4 =	4 Nos			✓
(9/16) 600mm Circular					
	1 × 2 =	2 Nos			✓
(10/17) 600mm × 450mm Rectangular.					
	1 × 2 =	2 Nos			✓
(11/18) Boundary Pillar/Guard Post.					
	1 × 52 =	52 Nos			✓
(12/21) Road marking with hot applied thermoplastic compound.					
do - - - - -	do	do	do	E/I.	
	2 × 2325m × 0.10 =	465m ²			✓
(13/22) Providing and fixing 'Logo' of informatory sign Board.					
do - - - - -	do	do	do		
				E/I.	
	1 × 2 =	2 Nos			✓

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14/2) Construction of sub-grade and earthen shoulder with approved materials do					
do do do G.I.					
<u>R.H.S side 1-</u>					
95x	1.0x	0.60 =			57.0m ³
85x	0.60x	0.60 =			30.6m ³
77x	0.55x	0.54 =			22.86m ³
117x	0.60x	0.52 =			36.50m ³
115x	0.60x	0.45 =			31.05m ³
127x	0.58x	0.30 =			22.09m ³
132x	0.55x	0.32 =			23.23m ³

105x	0.59x	0.40 =			22.68m ³
65x	0.60x	0.35 =			13.65m ³
55x	0.58x	0.47 =			14.99m ³
45x	0.52x	0.25 =			5.85m ³
90x	0.60x	0.34 =			18.36m ³
88x	0.57x	0.45 =			22.57m ³
125x	0.52x	0.32 =			20.8m³ 19.5m ³
132x	0.60x	0.30 =			23.76m ³
105x	0.57x	0.40 =			23.94m ³
202x	0.52x	0.45 =			47.26m ³
227x	0.58x	0.37 =			48.71m³ 35.99m ³
109x	0.60x	0.55 =			35.97m³ 33.87m ³
107x	0.55x	0.57 =			33.54m ³
122x	0.54x	0.32 =			21.08m ³

C.O = 575.19m³

Continuation

576.536

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>L.H.S side 2 -</u>					
37x	0.60	10.3	5 =		20.37m ² ✓
87x	0.58	10.3	22		16.14m ² ✓
79x	0.55	0.30	2		13.03m ² ✓
113x	0.60	0.30	2		21.42m ² ✓
117x	0.60	10.28	2		20.35m ² ✓
129x	0.58	10.	282		20.95m ² ✓
107x	0.54	10.3	02		17.33m ² ✓
67x	0.60	0.28	2		11.25m ² ✓
57x	0.58	10.2	52		8.26m ² ✓
47x	0.52	10.24	2		5.86m ² ✓
92x	0.60	0.30	2		16.56m ² ✓
34x	0.57	10.3	42		18.20m² 16.29 ✓
127x	0.52	10.3	12		20.97m ² ✓
135x	0.97	10.	292		18.90m² 18.40 ✓
109x	0.57	10.3	02		32.87m² 18.63 ✓
205x	0.52	10.33	2		35.17m ² ✓
228x	0.48	10.28	2		30.69m ² ✓
111x	0.60	0.25	2		16.65m ² ✓
101x	0.60	0.30	2		18.18m ² ✓
92x	0.58	0.32	2		17.07m ² ✓
125x	0.40	0.25	=		12.5m ² ✓
					381.67m ²
L.H.S side + R.H.S side					375.529
575.18m ² + 381.67m ² =					956.86m ²
576.536m² + 375.529m²					952.065m ²
Shiv 10.4.22 T.E					Shiv 10.4.22 T.E

Continuation

Scanned By Scanner Go

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>Abstract of cost</u>				
Name of work? - construction of					
Road from patahi to patahi Tola.					
Agency? - Smt - Surita Devi.					
Agreement No :- 23MBD/2021-2022					
Package No :- MR-N/2019-20					
Beisand/05 under MR3054					
Scheme					
Date of start? - 13.09.2021					
Date of completion? - 12.06.2022					

① clearing and grubbing					
Road land. do - - - do E/I.					
Qty. vide TMBP.N. - ①					
item No - ① 0.465 Hect					
@ 496.70/Hect - - - R 23,016 = 00					
② Const. of sub-grade and					
earthen shoulder with approved					
materials. do - - - do G/I.					
Qty. vide TMBP.N. - (9+0.10)					
item No - ② 966.86 m ³					
@ 176.75/m ³ 952.065 m ³ 1,68,277 = 00					
R 1,70,893 = 00					
RS = 1,93,905 = 00					
C.O. RS = 1,93,909 = 00					
1,91,293 = 00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) providing and laying G.S.B					
with stone materials do -					
do - - - - E/I					
Qty. vide TMB P.N. - (01 to 02)					
item No. - (03)			78.53 m ³		
@ 2154.29/m ³				R	1,69,176.00
(4) P/V and laying w.B.B.M					
Gr-II with stone materials do -					
do - - - - do - - - - E/I					
Qty. vide TMB P.N. - (02 to 03)					
item No. - (04)			64.88 m ³		
@ 3890.89/m ³				R	2,52,441.00
(5) P/V and laying w.B.M Gr-III					
with stone materials do - -					
do - - - - E/I					
Qty. vide TMB P.N. - (03 to 04)					
item No. - (05)			116.8 m ³		
@ 3591.44/m ³				R	4,19,480.00
(6) P/V and applying primer-coat.					
Qty. vide TMB P.N. - (05 to 06)					
item No. - (06)			1557.38 m ²		
@ 41.40/m ²				R	64,473.00
					64,451.00
(7) P/V and applying tack-coat.					
Qty. vide TMB P.N. - (06)					
item No. - (07)			1584.28 m ²		
@ 14.04/m ²				R	22,243.00
					22,251.00

C.O. Rs = 11,21,700.00

Continuation

11,39,114.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Patch work over W.B.M using Mix-seal surface.					
Qty. vide TMB P.N. — (66)					
item N. — (68)	1584	28m ²	1584	83	3,27,775.00
@ 206.82/m ²					R, 3,27,661.00
(9) Plu and applying tack-coat.					
Qty. vide TMB P.N. — (67)					
item N. — (69)	8735	62m ²			
@ 11.77m ²					R, 1,02,818.00
(10) Semi-Dense Bituminous Concrete.					
Qty. vide TMB P.N. — (68)					
item N. — (10)	2	18.39m ³			
@ 10357.83/m ³					R, 22,62,046.00
(11) K.m Stone.					
Qty. vide TMB P.N. — (68)					
item N. — (11)	4	0 Nos			
@ 2465.15/each					R, 9861.00
(12) (i) 200m Stone.					
Qty. vide TMB P.N. — (68)					
item N. — 12 (i)	10	Nos			
@ 659.83/each					R, 6598.00
(13) Retro-reflectorised Traffic signs.					
Qty. vide TMB P.N. — (68)					
item N. — (13)	4	0 Nos			
@ 3739.19/each					R, 14,957.00
Continuation					R, 38,45,641.00
					38,43,169.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) 600mm circular					
Qty vide TMBP N. — (08)					
item N. — (14) 2 Nos					
@ 3838.54/each				R	7677200
(15) 600mm x 450mm recta-					
-n gular.					
Qty vide TMBP N. — (08)					
item N. — (15) 2.0 Nos					
@ 3709.42/each				R	7419700
(16) Boundary pillar / Guard Post					
Qty vide TMBP N. — (08)					
item N. — (16) 52 Nos					
@ 518.21/each				R	26,997000
(17) Road marking with hot					
21 applied thermoplastic compound.					
Qty vide TMBP N. — (08)					
item N. — (17) 465m ²					
@ 735.40/m ²				R	3,41,56100
(18) PIV and fitting Logo' informatory					
22 sign- Board.					
Qty vide TMBP N. — (08)					
item N. — (18) 2.0 Nos					
@ 9506.69/each				R	1901300
Total Rs					2,42,48,65800
					42,46,18600
C.O Rs					2,42,48,65800

Continuation

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B/E:- 42,46,186=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F		42,46,186=00 2,50,950=00
Less for 5.91% below (-)				RS =	2,50,671=00
				RS =	39,97,957=00 39,95,236=00
Add 1% Labourcess —				(+)	39,95,236=00 4,79,428=00
Add 12% G.S.T. —				(+)	4,79,755=00
				RS =	45,17,725=00 45,14,616=00
Shiv	10	4.22			
	5.0				
Sumit	10	4.92			
				AL	
CSP					
Chitra					
	29	4/22			

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Sch. XLV-Form No. 134				Contents of area
Particulars	Details of actual measurement			
	No.	L.	B.	D.
<u>Material-Statement</u>				
① Earthwork:-				
966.86m ³ @ 23.78				R 22,932 = 00
② Stone chips matel-26.5mm to 9.5mm:-				
27.785m ³ @ 550.83				R 15,140 = 00
Stonematel-9.5mm to 2.36mm:-				
19.632m ³ @ 550.85				R 10,814 = 00
Local Sand:-				
31.32m ³ @ 116.85				R 3660 = 00
③ Stonematel-63mm to 45mm:-				
78.721m ³ @ 427.69				R 33,668 = 00
Mooram/Gravel:-				
19.031m ³ @ 345.52				R 6576 = 00
④ Stone matel-53mm to 22.9mm:-				
141.717m ³ @ 458.22				R 64,938 = 00
Stone Screening:-				
28.031m ³ @ 345.52				R 9685 = 00
⑤ Emulsion SS:-			1.322 MT	
⑥ Emulsion RS:-			2.758 MT	
⑦ Bitumen S90:-			28.212 MT	
⑧ Stone chips-9.5mm to 4.75mm:-				
181.959m ³ @ 528.94				R 96,245 = 00
Stone chips-4.75mm below:-				
130.883m ³ @ 200.45m ³				R 26,235 = 00
Fillar:-			6384m ³ @ 355.38	R 22,698 = 00
⑨ Stone aggs 13.2mm to 0.09mm:-				
42.73m ³ @ 470				R 20,083 = 00
				R 3,17,594 = 00

Shiv
104.22
5.2

Screening
Continuation
4.22

121 Memo of Bill Payment

1.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
① S.D. @ 8% ———					3,61,167=00
② I.T. @ 1% ———					45,146=00
③ Chs @ 1% ———					45,146=00
④ S.S. @ 1% ———					45,146=00
⑤ L.C. @ 1% ———					45,146=00
⑥ S.F. @ 10% ———					46,367=00
⑦ Royalty ———					1,30,937=00
Total Deductions					7,19,057=00
By C.F.M.S. Amt.					37,95,559=00
Total Bill Amt.					45,14,616=00
passed for Rs 45,14,616=00 (B forty					

Five lakh fourteen thousand Six
Hundred Eighteen only.)

Signature

Executive Engineer
RWD Work Division
Belsand

29/4/22
29/09/22

work has been completed. as
per specification.

21/09/22
J.R.

Continuation

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