

~~Gift~~ **Schedule XLV-Form No. 134**
~~of~~ MR 3054 ~~अवकाश~~ ~~अर्ज~~ ~~इद अर्ज~~
~~अर्ज~~ Package No. MR-N/2019-20, Belband
04, under MR-3054 Belband.

Agreement No. 133 MAB/2020-21) **DIVISION**

SUB-DIVISION

Block - Belband

MEASUREMENT BOOK

Smt. Sumita Devi

439

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	and	final	Bill	
Name of work:-	construction of				
Road from	Mahadev Math Bhoshha				
To	Patahi.				
Agency:-	Smt Sunita Devi				
Agreement No:-	133 MB/2020-21				
Date of start:-	25.03.2021				
Date of completion:-	29.12.2021				

Record Measurement:- 12.02.22

Date of Measurement:- 12.02.22

(1/1) Clearing and Grubbing

Road land. do - - - do - E/I.

$$2 \times 14.05 \text{ m} \times 1.0 = 28.10 \text{ m}^2$$

$$= 0.281 \text{ Hect.}$$

(2/3) Providing and laying G.S.B

with stone materials do -

do - - - E/I.

$$32 \times 3.75 \times 1.45 \times 0.175 = 30.45 \text{ m}^3$$

$$19 \times 2.59 \times 1.35 \times 0.175 = 11.62 \text{ m}^3$$

$$\frac{51}{51} = 42.07 \text{ m}^3$$

Shiv
12/01/22
J.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement :- 15.62.22					
Date of Measurement :- 15.6.22					
(1/4) Providing and laying w.B.M					
Gr- II with stone materials					
do - - - - -				E/I.	
55x 3.95 x 2.20 x 0.075 =				35.84m ³	
11x 3.0x 1.7x 0.075 =				4.20m ³	
<u>76</u>				=	40.04m ³
Shiv 15/06/22 J.E				for mch 15/06/22 AE	
Record Measurement :-					
Date of Measurement :-					
(1/5) Providing and laying w.B.M					
Gr- III with stone materials					
do - - - - -				E/I.	
57x 3.74 x 2.27 x 0.075 =				36.29m ³	
42x 3.22x 2.15 x 0.075 =				21.80m ³	
11x 3.21x 2.0x 0.075 =				5.29m ³	
<u>110</u>				=	63.38m ³
Shiv 23/06/22 J.E				for mch 23/06/22 AE	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement:-					15.03.22
Date of Measurement:-					15.03.22
(1/6) Providing and applying					
Primer-coat do - - - do					
E/I.					
82 x 3.92 x 1.90 =				610.73m ²	
45 x 2.77 x 1.85 =				230.60m ²	
127				= 841.33m ²	
(2/7) Providing and applying					
tack-coat do - - - do					
E/I.					
82 x 3.92 x 1.90 =				610.73m ²	
45 x 2.77 x 1.85 =				230.60m ²	
				= 841.33m ²	
gn p.c.c surface:-				9.375	
3.75m x 2.5 x 1.0 =				8.75m ³	
				= 850.08m ³	
(3/8) providing patch work over					
WBM using Mit-seal surface					
do - - - do - - - E/I.					
82 x 3.92 x 1.90 =				610.73m ²	
45 x 2.77 x 1.85 =				230.60m ²	
				= 841.33m ²	
gn p.c.c surface:-				9.375	
3.75m x 2.5m x 1.0 =				8.75m ³	
				= 850.08m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) P/V and applying tack coat					
do				E/I	
Start point: -					
7m x 8.90m + 4.20m					45.85m ²
3m x 4.20m + 3.72m					11.88m ²
5m x 3.72m + 3.70m					18.55m ²
9m x 3.70m + 3.72m					33.33m ²
6m x 3.72m + 3.75m					22.41m ²
5m x 30m x 3.75					562.5m ²
6x 30m x 3.75					675m ²
4x 30m x 3.75					450m ²
7x 30m x 3.75					787.5m ²

8x 30m x 3.75					900m ²
10x 30m x 3.75					1125m ²
5x 30m x 3.75					562.5m ²
1x 25m x 3.75					93.75m ²
					= 5288.33m ²

(5) Semi-Dense Bituminous concrete.					
do				E/I	

$$SDBC \text{ Qty} = 5288.33\text{m}^2 \times 0.025$$

$$= 132.208\text{m}^3$$

(6) Road marking with hot applied thermoplastic compound. do					
do				E/I	
2x 1405m x 0.10					281m ²

Shiv
15/03/22
J.E

Continuation

Skumar
15/03/22
AK

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

Abstract of cost

Name of work: Construction of Road
 from Mahadev Math Bhorha Topatahi
 Agency: Smt Sunita Devi
 Agreement No: 133MB/2020-2021
 Date of Start: 25.03.2021
 Date of completion: 24.12.2021

(1) Clearing and Grubbing

Road Land, do - - - - - E.I.

Qty. vide TMB P.N. - (01)

item No - (01) 0.28 Hect

@ 49496.70/Hect - - - - - R. 13,909700

(2) Providing and laying G.S.B

with Stone mastic. do - - - - -

do - - - - - E.I.

Qty. vide TMB P.N. - (01)

item No - (02) 42.07 m³

@ 2204.90/m³ - - - - - R. 92,760700

RS = 1,06,669700

C.O RS = 1,06,669700

Continuation

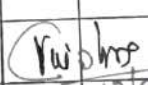
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/4) Providing and laying w.B.M Gr-II with stone materials. Qty. vide TMB P.N. — (02) item No. — (04) 40.04m ³ @ 3999.26/m ³ ————— R 1,60,130 = 00					
(4/5) Providing and laying w.B.M Gr-III with stone materials. Qty. vide TMB P.N. — (05) item No. — (05) 63.33m ³ @ 3686.75/m ³ ————— R 2,33,666 700					
(5/6) Providing and applying Primer coat do — do — E/I.					
Qty. vide TMB P.N. — (03) item No. — (06) 841.33m ² @ 41.93/m ² ————— R 34856 700					
(6/7) Providing and applying tack coat do — do — E/I. Qty. vide TMB P.N. — (07) item No. — (07) 850.08m ² @ 14.05/m ² ————— R 11,944 = 00					
(7/8) Patchwork over WBM using Mix seal surface. do — do — E/I Qty. vide TMB P.N. — (03) item No. — (08) 850.08m ² @ 208.66/m ² ————— R 1,77,378 700					

RS 7,24,643 700

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material-statement					
① Stone metal - 26.5mm to 3.5mm -					
19.724 m ³ @	550.83			B	8110=00
Stone metal - 3.5mm to 20mm					
10.517 m ³ @	411.33			B	4326=00
Local Sand:-					
16.828 m ³ @	116.85			P	1966=00
② Stone metal - 63mm to 35mm -					
48.581 m ³ @	427.63			B	20778 21205=00
Mooran / Gravel:-					
11.795 m ³ @	345.52			B	4058200
③ Stone metal - 53mm to 22.8mm					
76.901 m ³ @	458.22			B	35238200
Stone screening:-					
15.211 m ³ @	345.52			B	5256200
④ Emulsion SS-11 - 0.7 15MT					
⑤ Emulsion RS-11 - 1.645 MT					
⑥ Bitumen S-901 - 16.871 MT					
⑦ Stone chips:- 9.5mm to 4.75mm -					
110.154 m ³ @	528.94			B	58265200
Stone chips:- 7.75mm below:-					
79.233 m ³ @	200.95			B	15882200
Filler:- 3.865 m ³ @ 3555.38 -					
⑧ West plastic:-					
Stone agg. 13.2mm to 0.09mm -					
76.5072 m ³ @	970			B	75355=00
2,03,576200					
Shiv 15/3/22					
Specimen 15/3/22 AV					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① S.D. @ 8% —				2,14,554 = 0	
② I.F. @ 1% —				26,819 = 0	
③ C.S.T. @ 1% —				26,819 = 0	
④ S.H.T. @ 1% —				26,819 = 0	
⑤ L.C. @ 1% —				26,819 = 0	
⑥ S.F. @ 20% —				26,424 = 0	
⑦ Royalty —				65,664 = 0	
To total Decd. —				4,13,918 = 0	
By CPMS —				22,68,003 = 0	
To total Bill Amt. —				26,81,921 = 0	
Balance for Rs 26,81,921 = 0 (P) Twenty					
Six lakh eighty one thousand nine hundred twenty one only.)					
 Executive Engineer R. W. D. Works Division Belsand					
17/3/22 17/3/22					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd on A/c Bill				
Name of work: - construction of Road					
from Mahadev Math Bhojha to patahi.					
Under M/R 3054 Scheme.					
Agency: - Smt - Sunita Devi					
Agreement No: - 133MBD/2020-2021					
Package No: - M/R-N/2019-2020 Belsona					
/04 under M/R 3054 Scheme.					
Date of start: - 25.03.2021					
Date of completion: - 29.12.2021					
Record Measurement: -					
Date of Measurement: -					
(1/11) K.m Stone.					
1 x 2 = 2 Nos.					
(2/12) (ii) 200m Stone.					
1 x 6 = 6 Nos.					
(3/14) Retro-reflectors Traffic					
Signs.					
1 x 5 = 5 Nos.					
(4/15) 600mm circular.					
1 x 5 = 5 Nos.					
(5/16) 600mm x 450mm rectangular.					
1 x 8 = 8 Nos.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/17) Boundary pillar / Guard post.					
	1x	24 =	24 Nos		
(7/21) Providing and fixing typical					
informatory sign Board.					
	1x	2 =	2 Nos		
(8/22) Brick masonry work in					
Cement mortar (1:3) in parapet.					
	2x	6.0m x	0.40m x	0.60 =	2.88m ³
as for same 2. Nos culvert.					
	2.88m ³ x	2. Nos	25 =	76m ³	
(9/23) Plastering with cement					
mortar (1:4) on brick work					
in sub-structure.					

side face:-

$$4.0 \times 6.0 \times 0.60 = 14.40 \text{ m}^2$$

$$\text{Top:- } 2.0 \times 6.0 \times 0.40 = 4.80 \text{ m}^2$$

front face:-

$$4.0 \times 0.40 \times 0.60 = 0.960 \text{ m}^2$$

$$= 20.160 \text{ m}^2$$

as for same 2. Nos culvert.

$$20.160 \text{ m}^2 \times 2 \text{ Nos} = 40.32 \text{ m}^2$$

(10/24) Painting two-coats on new
concrete surface.

side face:-

$$4.0 \times 4.0 \times 0.60 = 9.60 \text{ m}^2$$

$$\text{Top:- } 2.0 \times 4.0 \times 0.60 = 4.80 \text{ m}^2$$

$$C.O = 57.6 \text{ m}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Front Face:-</u>					
	4.0	0.40	0.60	=	0.960m ²
				=	58.560m ²
as for same 2 Nos culvert.					
	58.560m ²	2 Nos	2		117.12m ²
<u>(11/2) Construction of sub-grade</u>					
and earthen shoulder with					
approved material do ---					
do --- E/I.					
<u>L.H. S Side:-</u>					
92x	0.60	0.35	=		19.32m ²
84x	0.90	0.60	=		45.36m ²
78x	0.55	0.45	=		19.30m ²
117x	0.52	0.27	=		16.42m ²
115x	0.57	0.29	=		19.0m ²
127x	0.47	0.32	=		19.10m ²
132x	0.45	0.30	=		17.82m ²
105x	0.58	0.25	=		15.22m ²
65x	0.57	0.34	=		12.58m ²
112x	0.92	0.62	=		63.88m ²
145x	0.90	1.0	=		130.5m ²
152x	0.98	0.28	=		20.42m ²
47x	0.40	0.22	=		4.13m ²
34x	0.56	0.25	=		4.25m ²
			=		407.31m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
R.H.S side -					
95x	0.60	x	0.35 =		19.95m
111x	0.58	x	0.30 =		19.31m
109x	0.57	x	0.29 =		18.61m
114x	0.59	x	0.28 =		17.85m
155x	0.52	x	0.27 =		21.76m
175x	0.30	x	0.25 =		13.12m
125x	0.32	x	0.29 =		9.6m
135x	0.37	x	0.21 =		10.48m
145x	0.32	x	0.22 =		10.20m
157x	0.39	x	0.23 =		12.22m
84x	0.60	x	0.45 =		22.68m

$$= 175.23m^3$$

L.H.S side + R.H.S side

$$407.31m^3 + 175.23m^3 = 582.54m^3$$

$$\text{say } 582.54m^3$$

Phiv
303.22
J.E

Second
303.92
AL

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
Name of work	1- Construction of Road				
From	Mahadev Math Bhotha To patahi				
Agency	2- Smt - Surita Devi				
Agreement No.	:- 133 MBD/2021-21				
Package No.	:- MR-11/2015-20				
Beland / 4 Under	M/R 3054				
Scheme.					
Date of start	:- 25.03.2021				
Date of completion	:- 24.12.2021				

① clearing and Grubbing					
Road Land. do - - - do - - - E/I.					
Qty. vide Tm B P. N. — (05)					
item No — (01) 0.281 Hect					
@ 49,496.70/Hect — — — Rs. 13,909.700					
② providing and laying					
②/2 Construction of sub-grade					
and earthen shoulder with					
approved materials. do - -					
do - - - E/I					
Qty. vide Tm B P. N. — (12 to 13)					
item N. — (02) 82.54 m ³					
@ 176.75/m ³ — — — Rs. 1,03,964.50					
Rs = 1,17,403.00					
C.O. 1,16,873.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Providing and laying G.S.B. With stone mater i/d.					
Qty vide TM B.P.H. — (05)					
item No. — (03) 42.07 m ³					
@ 2204.90/m ³				R,	92,760/-
(4) Providing and laying W.B.M. Gr-II With stone materials.					
Qty vide TM B.P.H. — (06)					
item No. — (04) 40.04 m ³					
@ 3999.26/m ³				R,	1,60,130/-
(5) Plv and laying W.B.M Gr-III with stone materials do—					
do ——— E/I					
Qty vide TM B.P.H. — (06)					
item No. — (05) 63.38 m ³					
@ 3686.75/m ³				R,	2,33,666/-
(6) Plv and applying primer-coat					
Qty vide TM B.P.H. — (06)					
item N. — (06) 841.33 m ²					
@ 41.43/m ²				R,	34856/-
(7) Plv and applying tack-coat					
Qty vide TM B.P.H. — (06)					
item No — (06) 850.08 m ²					
@ 14.05/m ²				R,	11,944/-
				Rs 2	6,50,759=00
					6,50,229=00
C.O					RS 26,50,759=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Patch work over WBM using Mix-seal-surface dressing do --- G.I					
Qty vide TMB P.N. --- (06)					
item No. --- (08) 950.08 m ²					
@ 208.66/m ²					R 1,77,378.76
(9) Providing and applying tack- coat					
Qty vide TMB P.N. --- (07)					
item No. --- (09) 5288.33 m ²					
@ 11.78/m ²					R 62,297.00
(10) Semi-Dense Bituminous Concrete					
Qty vide TMB P.N. --- (07)					
item No. --- (10) 132.208 m ³					
@ 10456.31/m ³					R 13,82,908.68
(11) K.M Stone					
Qty vide TMB P.N. --- (10)					
item No. --- (11) 2 Nos.					
@ 2487.05/each					R 4974.10
(12) (i) 200mm Stone					
Qty vide TMB P.N. --- (10)					
item No. --- (12) (ii) 6 Nos					
@ 663.72/each					R 3982.32
(13) (iii) Retro-reflectors Traffic signs					
Qty vide TMB P.N. --- (10)					
item No. --- (14) 5.0 Nos					18,747.76
@ 3848.78/each					R 1,92,444.00
3749.93 Continuation					R 23,00,596.00
					23,00,015.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) 600mm circular					
Qty. vide Tm B P. N. — (16)					
item N. — (15) 5 Nos.					
@ 3898.78/each					R 19,2937
(15) 600mm x 450mm rectangular					
Qty. vide Tm B P. N. — (16)					
item N. — (16) 8 Nos.					
@ 3719.66/each					R 29757
(16) Boundary pillar / Guard Post					
Qty. vide Tm B P. N. — (11)					
item N. — (17) 24.00					
@ 518.99/each					R 124807
(17) Plv and fixing typical informatory Sign Board.					
Qty. vide Tm B P. N. — (17)					
item N. — (21) 2.44 Nos.					
@ 9527.19/each					R 19,0547
(18) Brick masonry work in cement mortar (123) in Parapet					
Qty. vide Tm B P. N. — (11)					
item N. — (21) 5.76 m ³					
@ 5264.93/m ³					R 303370
(19) plastering with cement mortar (129) on brick work					
Qty. vide Tm B P. N. — (11)					
item N. — (23) 90.32 m ²					
@ 196.69/m ²					R 7930820

Continuation

R 1224,90,72200

24,18,81620

(20) Road marking thermoplastic
 Part A - as per spec
 @ by vide TMS P. 7 (10) = 281 m²
 @ B 735.40/m² 218 R 2,06,647.00
 Sch. XLV-Form No. 134 B.F. 24,30,122.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) painting Two-coats new concrete					
@ 4 vide TMS P. N. (11 + 012)					
item N. - (21) 117. 12 m ²					
@ 95.63/m ²					R 11,200.700
R 26,36,663 = 17,15,01,992.00					26,36,663.00
Less for 0.11 below (-) R 22,52.00					26,36,663.00
26,33,763 = 24,99,170.00					26,33,763.00
Add 1. Labour cost (+) R 22,99,270.00					26,33,763.00
Add 12. G.S.T. (+) R 22,99,340.00					3,16,052.00
R 29,76,153 = 28,24,062.00					28,24,062.00
Less previous payment (-) R 26,81,921.00					26,81,921.00
R 21,42,141.00					21,42,141.00
R 2,94,232.00					2,94,232.00

say 21,42,141.00

Shiv
30/3/22
J.E

Sree madh
30/3/22
A.E

CS P
Kishor
29/4/22

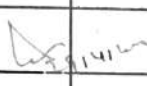
Materials

(1) Earth - 585.54 m³
 @ 123.78 - R 33,924.00

Memo of 2nd on AR Bill Payment

19

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① S.P. @ 8% →				23,539.00	
② I.T. @ 1% →				2,942.00	
③ CHST @ 1% →				2,942.00	
④ SHST @ 1% →				2,942.00	
⑤ L.C. @ 1% →				2,942.00	
⑥ S.F. @ 10% →				3,324.00	
⑦ Royalty →				19,323.00	
Total recd ⁿ →				57,954.00	
By CPM 5 mt. →				2,36,278.00	
Total Bill Amt. →				2,94,232.00	
passed for P. →				2,94,232.00	
(P) Two lakh Ninety Four thousand two hundred thirty two only.)					
 29/4/22 Executive Engineer R. W. D. Works Division Beland					
Retd 29/4/22					
work has been completed as per specification					
 29/4/22					

Continuation

Continuation

$$C.O.P.S = 6,50,229 = 00$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ patch work over WBM using Mix-sal-surface.					
Qty vide TMB P.N. — (16)					
item No. — (08)	850.	08m ²			
@ 208.	66/m ²				R 1,77,378=00
⑨ providing and applying ack-coat.					
Qty vide TMB P.N. — (16)					
item No. — (09)	5288.	33m ²			
@ 11.78/m ²					R 62,2972=00
⑩ Semi-Dense bituminous- concrete.					
Qty vide TMB P.N. — (16)					
item No. — (10)	132.	208m ²			
@ 10456.31/m ³					R 13,82,408=00
⑪ Kim Stone					
Qty vide TMB P.N. — (16)					
item No. — (11)	2 Nos				
@ 2487.05/each					R 497920=00
⑫ (i) 200mm Stone.					
Qty vide TMB P.N. — (16)					
item No. — 12(i)	6.0 Nos				
@ 663.72/each					R 3982=00
⑬ (ii) Retro-reflectorised Traffic signs.					
Qty vide TMB P.N. — (16)					
item No. — (14)	5.0 Nos				
@ 3749.43/each					R 18,747=00

R=23,00,015=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) 600mm Circular.					
Qty vide TMB P.N. — (17)					
item No. — (14) 5 Nos					
@ 3898.78/each —				R	19,243.20
(15) 600mm x 950mm recta- -angular.					
Qty vide TMB P.N. — (17)					
item No. — (15) 8 Nos					
@ 3718.66/each —				R	29,757.28
(16) Boundary pillar / Guard					
Qty vide TMB P.N. — (17)					
item No. — (17) 24 Nos					
@ 519.99/each —				R	12,480.24
(17) Plv and fixing typical informatory sign-board.					
Qty vide TMB P.N. — (17)					
item No. — (21) 2 Nos					
@ 9527.19/each —				R	19054.20
(18) Brick masonry work in cement mortar (1:3) in parapet					
Qty vide TMB P.N. — (17)					
item No. — (25) 5.70m ²					
@ 5266.93/m ³ —				R	30,337.20
(19) Plastering with cement mortar (1:4) on brick work.					
Qty vide TMB P.N. — (23) 40.32m ²					
@ 196.69/m ² —				R	7930.20

					B.P 26,36,663 = 00
					Less for 0.11% below (-) P1 = 2900 = 00
					P1 = 26,33,763 = 00
					Add 1% Labour cess (+) P1 = 26,338 = 00
					Add 12% G.S.T ——— (+) P1 = 3,16,052 = 00
					P1 = 29,76,153 = 00
					Less for previous payment (-) P1 = 29,76,153 = 00
					P1 = Nil = 00

work has been completed, as per specification and direction of G/I.

29.09.07 continuation
A.E.