

MR-3054

MR NO:- 706

MR-N/19-20 SIMRI BAKHTIYARPUR / 09

2021-22

Schedule XLV-Form No. 134

CONST of Road:- PWD Road **DIVISION**

Sarbela 'to' Banma Jhehi

SUB-DIVISION

MEASUREMENT BOOK

(Maa Jawala Enterprises)

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.	
Name of work: Maintenance of Road from PWD Road to Senbela.					
Pack no. - MR-N/19-20 Simsi Bakhijan Pur/09					
Named cont. - m/s Maa Jwala Enterprises.					
Agst no. - 117 SBD/2020-21					

D.O. Commencement - 27/05/20

D.O. Completion - 26/02/21

(1) Clearing and Grubbing Road land.

$$2 \times 701.0 \times 1.0 = 1402.0 \text{ m}^2$$

$$= 0.1402 \text{ Hect.}$$

(2) Construction of Gravelled sub base.

0.6074 Km

$$1 \times 2.5 \times 1.10 \times 0.175 = 0.481$$

$$1 \times 3.30 \times 1.08 \times 0.175 = 0.623$$

$$1 \times 1.85 \times 1.05 \times 0.175 = 0.339$$

Continuation

2
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x	4.20	x	0.85	x 0.175 =	0.624
1x	6.80	x	0.95	x 0.175 =	1.130
1x	4.85	x	0.85	x 0.175 =	0.721
1x	4.30	x	1.18	x 0.175 =	0.857
2x	3.20	x	1.10	x 0.175 =	1.232
1x	1.80	x	1.0	x 0.175 =	0.315
3x	3.90	x	0.80	x 0.175 =	1.638
8x	6.40	x	1.0	x 0.175 =	8.96
6x	4.70	x	0.90	x 0.175 =	4.441
4x	4.10	x	1.10	x 0.175 =	3.157
1x	4.15	x	0.90	x 0.175 =	0.653
<u>25.201 m³.</u>					

(1) Providing lying spreading

WBM Gr-II

0 to 186.10 m.

1x	3.65	x	1.50	x 0.075 =	0.410
2x	2.70	x	1.45	x 0.075 =	0.587
3x	4.55	x	1.65	x 0.075 =	1.689
4x	5.60	x	1.15	x 0.075 =	1.932
9x	9.15	x	1.35	x 0.075 =	8.337
2x	3.90	x	1.18	x 0.075 =	0.690
8x	6.80	x	1.35	x 0.075 =	5.508
4x	4.65	x	1.65	x 0.075 =	2.301
<u>21.454 m³.</u>					

AP
26/09/22

AP
26/09/22

Continuation

Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
(1) Providing laying scaffolding					
to 10 m - 11					
0 to 786.10 m					
$4 \times 7.45 \times 1.60 \times 0.075$					3.576
$10 \times 12.80 \times 1.95 \times 0.075$					18.72
$2 \times 5.20 \times 1.65 \times 0.075$					1.237
$7 \times 9.10 \times 1.75 \times 0.075$					8.960
$5 \times 7.85 \times 2.15 \times 0.075$					6.329
$01 \times 3.60 \times 1.95 \times 0.075$					8.526
					38.798 m³
APD 28/10/22 D2					
APD 28/10/22 D2					

(1) Providing and applying					
Primer coat.					
0 to 786.10 m					
$4 \times 7.45 \times 1.60$					47.68
$10 \times 12.80 \times 1.95$					249.60
$2 \times 5.20 \times 1.65$					17.16
$7 \times 9.10 \times 1.75$					111.475
$5 \times 7.85 \times 2.15$					84.387
$1 \times 3.60 \times 1.95$					7.02
					517.282 m²
					517.322 m ²
APD 15/10/22 D2					
APD 25/10/22 D2					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	H.	
(1) Providing and applying rock coat.					
		817.5m	3.00	0.1m	
					$= 217.282 m^2$
					$517.322 m^2$
(2) Providing and laying and rolling m.s.s. 1/2" - 8.					
		817.5m	3.00	0.1m	
					$= 517.282 m^2$
					$517.322 m^2$

(1) Providing and applying rock coat.

$$1 \times 50.10 \times \frac{5.25 + 4.0 + 4.60 + 4.45 + 3.98}{5} + 3.25$$

0

$$= 217.333$$

$$1 \times 102.0 \times 3.75 = 382.50$$

$$1 \times 87.20 \times \frac{3.75 + 4.40 + 3.25}{3} = 345.835$$

$$1 \times 166.10 \times 3.75 = 622.875$$

$$1 \times 59.10 \times \frac{3.75 + 4.0 + 3.25 + 3.25}{4} = 227.535$$

$$1 \times 235.60 \times 3.75 = 883.50$$

$$2677.578 m^2$$

(1) R.C.C 1x1m stone of 2000 stone.

$$1 \times 3.0 = 3.0 \text{ m}$$

(2) Providing and fixing members
Logo Board.

main Board -	1	$\times 2.0 =$	2.0
--------------	---	----------------	-----

Citizen Board - 1 x 1.0 = 1.0

major road -	1	$\times 1.0 = 1.0$
--------------	---	--------------------

4-013

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Painting Two coat Paint					
Side -	4.0	8.60	0.60		20.64
Top -	2.0	8.60	0.40		6.88
Foot -	22.0	0.40	0.60		0.96
					28.48 m ²

(5) Providing and laying hot applied paint.

$2 \times 759.10 \times 0.10 = 151.82 \text{ m}^2$

(6) Cont. of subgrade.

CH	Fill Area	mean Area	Dist.	Fill Vol.
500	1.215	—	—	—

100.0	1.343	1.279	50	63.95
150.0	1.221	1.282	50	64.40
200.0	1.595	1.408	50	70.40
250	1.356	1.475	50	73.75
300	1.445	1.400	50	70.0
350	1.298	1.371	50	68.55
400	1.145	1.221	50	61.05
453	1.564	1.354	53.0	71.762
Bridge abut -	453 to 464			
other	464 to 550.0			
550	1.029	—	—	
600	1.760	1.694	50	84.70
650	1.536	1.648	50	82.40
700	1.462	1.499	50	74.95
750	1.524	1.498	50	74.90
786	1.755	1.644	36	59.184

919.696 m³.

APB
24/10/22

APB
24/10/22

12 on 116 B1

SEA 116 on 116 B1

Description	Quantity of Material				Contents of this
	1	2	3	4	

Work done, Maintenance of
Road from Post 100 to
10100

Work done 11/19-20 5.000 Lorryloads

Work done, 11/19-20 5.000 Lorryloads
Estimate prices

11/19-20 5.000 Lorryloads

D.O. completion: 25/05/20

D.O. completion: 26/02/21

1/2 closing and leveling Road land

vide TRM Pm-1 - 0.1482

① 49496.70 ——— 46930.13

2/2 cost of Subgrade and Earthwork

TRM Pm-6 - 919.496 m³

① 176.75 ——— 162556.26

Sch. XIV Form No. 124

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

3/4 Construction of Groundwater

Sub base

vide TMB Pt 2 - 25.201

Limit - 25.00 m²

② 2096.14

52.524.06
52.524.06

1/4 Providing laying spreading

WOM in II

vide TMB Pt 2 - 21.454 m²

② 13712.76

80425.89

5/5 Providing laying spreading

WOM in III

vide TMB Pt 3 - 38.798

② 13457.35

134138.26

4/6 Providing and applying Primer coat

vide TMB Pt 3 - 57.282 m²57.322 m²

② 141.89

21668.94

21677.61

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7/2 Providing laying and rolling m.s.s type-B.					
vide TMB P. 4					$517.282 m^2$
					$517.322 m^2$
@ B 192.25					$B. 99447.46$
					99455.15
8/8 Providing and applying Tack coat					
vide TMB P. 4					517.282
					$4 - 2679.578$
					$3196.86 m^2$
@ B 14.20					$B. 45395.41$
					45395.78

9/9 Providing and laying Semi dense bituminous concrete.					
vide TMB P. 5					66.989
					$23.48 m^2$
@ B 9601.88					643220.33
					$B. 273461.54$
10/10 R.C.C K.mstoned 200m stone.					
vide TMB P. 5					3.0
@ B 605.14					$B. 1815.42$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11/17 Providing and laying of hot applied paint					
vide TMB P-6	6				151.82 m ²
② B 735.40					1111648.42
12/19 Providing and laying masonry logo					
vide TMB P-5	5				4.0
③ B 9336.09					B 37344.36

13/20 Plastering with C.M (1:4)					
vide TMB P-5	5				28.48 m ²
④ B 170.96					A 4868.94
14/21 Painting two coat paint.					
vide TMB P-6	6				28.48 m ²
⑤ B 950.83					B 2723.54
ADD 121.60 T and 11.60 - B					1404721.92
1587346.77					1587188.14
1587346.77					1587335.76
below 0.01.					Continuation 158.73

16/12/22
 16/12/22
 16-12-2022
 1587177.03
 1587188 = 11 (say)
 16-12-2022
 16-12-2022

3rd & Final Bill

22

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Maintenance of					
Road from PWD Road to Sesebella					
Post:- MR-N/19-20 Simi Bakkhyapuzha					
Name of Contractor:- M/S Maa					
Jade Enterprises					
Aggt No:- 1175 BD/2020-21					✓
D.O. Commencement:- 27/05/20					✓
D.O. Completion:- 26/02/21					✓
Actual D.O. Completion:- 25/02/21					✓

1/4 Clearing and Grubbing					
Road land.					
Vide TMB p.no 7 — 0.1402					6999.44 ✓
@ R, 49496.70 —					6986.48 ✓
1/2 Construction of Subgrade					
and E/ Shoulder					
Vide TMB p.no 7 — 919.696					
@ Rs 176.75 —					162556.26 ✓
					162556.27 ✓
3/4 Construction of Granular					
Sub base					
Vide TMB p.no 8 — 25.20					
Limit: 25.06 m ⁵					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
@ P ₁ 2036.14	—	—	—	—	A 52523.17 ✓
1/4 Providing laying Spreading WBM III					
Vide Tmb p.no 8					21459 m ²
@ P ₁ 3748.76	—	—	—	—	P ₂ 26425.89 80425.92 ✓
5/8 Providing laying Spreading WBM on IV					
Vide Tmb p.no 8					38.298
@ P ₁ 3457.33	—	—	—	—	P ₂ 134138.27 134138.27 ✓
7/6 Providing and Applying Primer coat					
Vide Tmb p.no 8					517.322 m ²
@ P ₁ 41.89	—	—	—	—	P ₁ 21670.62 ✓
7/7 Providing laying and rolling m.s.s type B					
Vide Tmb p.no 9					517.322 m ²
@ P ₁ 192.25	—	—	—	—	P ₂ 99455.15 ✓
8/8 Providing and laying Tack coat					
Vide Tmb p.no 9					3196.90

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	H.	
(a) P ₁ 14-70				P ₁	45325.78
1/2 providing and laying (m) dressed bituminous concrete					
Vide Tmk P no 9					66989
(a) P ₁ 260188				P ₁	643270.34
1/10 (D) Rec. km chane of 1 m shore					
Vide Tmk P no 13					2.0
(a) P ₁ 2219.19				P ₁	4438.98
1/10 (D) Rec. km chane of 200mm shore					
Vide Tmk P no 9					3.0
(a) P ₁ 608.14				P ₁	1815.42
1/11 Rectr. left. Dne to level					
Vide Tmk P no 14-192					
(a) P ₁ 12319.48				P ₁	23653.40
1/12 Providing and fixing 100mm equilateral.					
Vide Tmk P no 13					38.0
(a) P ₁ 3630.36				P ₁	187953.68

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material</u>	<u>Statement</u>				<u>up to date</u>
1) C/W Soil -		919.696			
2) 26.5 mm to 9.5 mm Aggregate -		10.672			m^3
		@ 523.32			$/m^3$
3) —————					m
3) 9.5 mm to 2.36 mm Aggregate -		7.623			
		@ 411.33			$/m^3$
4) Local sand -		12.197			m^3
		@ 116.85			$/m^3$
5) 63 mm to 45 mm stone -		25.985			m^3
		@ 427.69			$/m^3$
6) stone dust -		14.46			m^3
		@ 395.52			
7) 53 mm to 22.7 mm -		46.945			m^3
		@ 458.22			$/m^3$
8) Stone chips -		109.76			m^3
		@ 470.04			$/m^3$
9) Coarse sand =		0.34			$/m^3$
		@ 141.85			$/m^3$
10) Emulsion SS1 -		0.43968			M.T
11) RS, (Emulsion) -		0.879			M.T
12) Bitumen S90 -		8.942			M.T
14) Wash plaster		0.0782			M.T
Summary					
25/02/2023					
72					

Continuation