

Name of work - 1026 Mulavitha to Khatuvra

(New Mumbai-2018)

Schedule XLV Form No. 134 (3054)

~~Pravara~~ Dabhanga-2 DIVISION

Tale SUB-DIVISION

MB/10-13/6

Measurement Book

Agency - Sai, Anish Tibani

प्रमाणित किया जाता है कि इस मापीयुक्त में
भरीज से कुल 100 (एक सौ) पृष्ठ है
जो श्री मिस्टर. मारुत
सहा. अभि. के काम से का. का. वि. अवर प्रम. जाले
के लिए निर्गत किया जाता है।

9/12/23
Executive Engineer
R.W.D.(W) Division
Darbhanga-2
9/12/23

Sch. XLV - Form No. 134

Darbhanga-2 DIVISION

Jale SUB-DIVISION

Measurement Book

No. 1316

Name of Officer Sr. Nikhil

Bhardwaj

Date of first entry _____

Date of last entry _____

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.	
M.I.W:- Const. of Road from					
2026 Muradtha to					
Khajurwara under					
(M.R-3054) Pkg. No - MR-N/22-23					
Dargahanga - 2/0.4					
Agreement no -				M.B.D/2020-2021 (MR-3054)	
Agency:- Sri Anish Kumar Tiwari					
Dt. of start - 09-09-2023					
Dt. of completion - 08-06-2024					
Rate:- 10% Below from B.D.R Rate (For)					
measurement					
1. clearing and Grubbing					
road land with all					
comp.					
2	5	30.0	1.00	300.0 M ²	✓
2	5	30.0	1.00	300.0 M ²	✓
2	5	30.0	0.90	270.0 M ²	✓
2	5	30.0	0.90	270.0 M ²	✓
2	5	30.0	1.10	330.0 M ²	✓
2	5	30.0	1.10	330.0 M ²	✓
1800.0 M ²					✓

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2	10	30.0	1.00	600.0	0.00 m ² ✓
2	10	30.0	1.00	600.0	0.00 m ² ✓
2	10	30.0	0.95	570.0	0.00 m ² ✓
2	10	30.0	1.05	630.0	0.00 m ² ✓
2	10	30.0	1.00	600.0	0.00 m ² ✓
2	5	30.0	1.00	300.0	0.00 m ² ✓
2	5	30.0	1.00	300.0	0.00 m ² ✓
2	10	30.0	1.00	600.0	0.00 m ² ✓
2	10	30.0	1.00	600.0	0.00 m ² ✓
					6600.00 m ² ✓
					⇒ 0.66 Hq.

2.	Const. of un-reinforced				
	Cement Concrete Pavement				
	MBD with all comp				
	levelling course				
4	7.50	0.90	0.10	0.54 m ³	
3	7.15	0.85	0.125	0.36 m ³	
2	2.10	1.10	0.125	0.57 m ³	
5	1.50	1.75	0.100	0.86 m ³	
8	1.75	1.45	0.100	2.03 m ³	
2	3.00	1.50	0.100	0.90 m ³	
1	6.50	1.35	0.10	0.87 m ³	
1	8.70	2.10	0.10	1.83 m ³	
1	2.50	1.10	0.10	0.27 m ³	
1	1.85	0.90	0.10	0.16 m ³	
				8.39 m ³	

Continuation

Q. Const. of Granular sub-base with all cont.						
<u>Part Measurement</u>						
Blk. No.	80	2.50	0.10	=	2.00 m ³	
1	3.0	1.0	0.10		0.30 m ³	
1	5.0	2.50	0.10		1.25	
1	10.0	1.00	0.10		1.00	
1	10.0	2.50	0.10		2.50	
1	5.0	2.50	0.10		1.25	
1	10.0	3.75	0.10		3.75	
1	10.00	2.50	0.10		2.50	
1	2.0	2.0	0.10		0.40	
1	20.0	3.75	0.10		7.50	
1	20.0	2.50	0.10		5.0	
					27.45 m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	5.0	3.75	0.10	1.87 ✓
	1	5.0	1.0	0.10	0.50 ✓
	1	10.0	2.50	0.10	2.50 ✓
	1	5.0	2.0	0.10	1.00 ✓
	1	8.0	3.75	0.10	3.00 ✓
	2	3.0	2.50	0.10	1.50 ✓
	1	10.0	2.50	0.10	2.50 ✓
	1	15.0	0.50	0.10	0.75 ✓
	1	10.0	0.50	0.10	0.50 ✓
	1	25	2.80	0.10	7.00 ✓
	1	10	1.0	0.10	1.00 ✓
	2	30.0	3.75	0.10	22.50 ✓
	1	10.0	2.50	0.10	2.50 ✓

	1	5.0	2.50	0.10	1.25 ✓
	1	10.0	3.75	0.10	3.75 ✓
	1	10.0	2.50	0.10	2.50 ✓
	1	2.0	2.0	0.10	0.40 ✓
	1	20.0	3.75	0.10	7.50 ✓
	1	8.0	2.0	0.10	1.60 ✓
2nd 1st	1	1.0	1.30	0.10	0.13 ✓
	1	10.0	2.50	0.10	2.50 ✓
	1	10.0	2.80	0.10	2.80 ✓
	1	8.0	3.75	0.10	3.00 ✓
	1	10.0	3.75	0.10	3.75 ✓
	1	10.0	3.50	0.10	3.50 ✓
	1	8.0	1.50	0.10	1.20 ✓
	1	8.0	1.80	0.10	1.44 ✓

109.89 MS

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2	20.0	3.75	0.10	15.00 m ²
	1	10.0	3.75	0.10	3.75
	1	5.0	3.75	0.10	1.87
	1	15.0	3.75	0.10	5.62
	1	30.0	3.75	0.10	11.25
	1	20.0	3.75	0.10	7.50
	2	10.0	3.75	0.10	7.50
	1	3.0	3.75	0.10	1.12
	2	10.0	2.50	0.10	5.00
	1	10.0	2.50	0.10	2.50
	1	12.0	3.00	0.10	3.60
	1	20.0	3.75	0.10	7.50
	1	5.0	2.50	0.10	1.25
	1	15.0	1.50	0.10	2.25
	1	5.0	1.50	0.10	0.75
3rd km	1	25.0	3.75	0.10	9.375
	3	10.0	2.50	0.10	7.50
	2	10.0	3.75	0.10	7.50
	1	12.0	3.00	0.10	3.60
	1	15.0	1.80	0.10	2.70
	1	2.0	1.30	0.10	0.26
	1	5.0	2.0	0.10	1.00
	1	6.0	1.30	0.10	0.78
	1	4.0	1.10	0.10	0.44
	1	6.0	1.80	0.10	1.08
	1	8.0	1.60	0.10	1.28
	1	9.0	1.30	0.10	1.17
	1	10.0	3.75	0.10	3.75

Continuation

227.145 m²Nikhil
24/2/24Ankur
24/2/24
DE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4.	Pro. laying spreading				
	and compacting of				
	WBM gr. 15 with an				
	comp.				
	Pdt Measurement				
	1	8.00	2.50	0.075	1.50 m ²
	1	3.0	1.0	0.075	0.225 m ²
	1	5.0	2.50	0.075	0.937 m ²
	1	10.0	1.0	0.075	0.75
	1	10.00	2.50	0.075	1.875
	1	5.0	2.50	0.075	0.937
	2	10.0	3.75	0.075	5.625
	2	20.0	3.75	0.075	11.25

1	3.0	3.75	0.075	0.843
2	10.0	2.50	0.075	7.50
2	2.0	2.0	0.075	0.60
1	5.0	3.75	0.075	1.406
1	5.0	1.0	0.075	0.375
2	10.0	2.50	0.075	3.75
1	5.0	2.0	0.075	0.75
1	8.0	3.75	0.075	2.25
1	3.0	1.00	0.075	0.36
1	2.0	1.30	0.075	0.195
1	3.0	1.20	0.075	0.27
1	3.0	1.30	0.075	0.292
2	30.0	3.75	0.075	16.875
1	2.0	1.10	0.075	0.165
1	2.0	1.40	0.075	0.21

Continuation

58.94 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	15.0	0.50	0.075	0.56315
	1	10.0	0.50	0.075	0.375 m ³
	1	25.0	2.80	0.075	5.25 m ³
	1	8.0	2.0	0.075	1.20 m ³
2nd. 15m	1	1.30	1.0	0.075	0.09875
	2	10.0	2.50	0.075	3.75
	3	10.0	3.75	0.075	8.437
	2	8.0	1.50	0.075	1.80
	4	10.0	3.75	0.075	11.25
	2	30.0	3.75	0.075	16.875
	1	3.0	3.75	0.075	0.84
	2	10.0	2.50	0.075	3.75
	1	8.0	3.75	0.075	2.25

	2	10.0	3.75	0.075	5.625
	2	8.0	1.50	0.075	1.80
	7	10.0	3.75	0.075	19.687
	3	10.0	3.75	0.075	8.437
	1	5.0	2.50	0.075	0.937
	2	10.0	1.50	0.075	2.25
	2	20.0	3.75	0.075	11.25
3rd.	1	25.0	3.75	0.075	7.031
	2	10.0	2.50	0.075	5.625
	2	5.0	2.50	0.075	1.875
	2	10.0	3.75	0.075	5.625
	2	10.0	2.50	0.075	3.75
	2	2.0	2.0	0.075	0.60
	1	12.0	3.10	0.075	2.79

192.6643

Nikhil
02/3/24

Continuation

Amey
02/3/24
GE.

		1	$\times 3$	=	3 Nos.
7.	Pro. and applying				
	Primer coat with				
	bitumen emul emulsion				
	SS1 with all comp.				
	Area vide TMB P.No (6-7)				
	$94m(4) 192-66m^3$				
	$192-66 / 0.075 = 2568.80m^2$				
8.	Pro. and applying				
	Tar/c coat with				
	bitumen emulsion				
	RS-1 with all comp.				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1st km.</u>	1	10.00	2.10	=	21.00 m ²
	1	20.00	2.60	-	52.00 m ²
	1	15.00	1.90	-	28.50
	1	12.00	2.40	-	28.80
	1	18.00	1.30	-	23.40
	1	12.00	1.10	-	13.20
	1	13.00	1.60	-	20.80
	1	8.00	1.30	-	10.40
	1	19.00	1.40	-	22.80
	1	13.00	2.60	-	33.80
	1	18.00	1.30	-	23.40
	1	14.00	1.10	-	15.40
	1	16.00	1.80	-	28.80
	1	16.00	1.40	-	22.40
	1	13.00	1.30	-	16.90
	1	18.00	2.30	-	41.40
	1	24.00	2.40	-	57.60
	2	15.00	2.50	-	37.50
	1	12.00	1.90	-	22.80
	1	20.00	1.10	-	22.00
	1	19.00	2.40	-	45.60
	1	12.00	2.30	-	27.60
	1	18.00	2.50	-	45.00
	1	20.00	1.90	-	38.00
	1	21.00	1.30	-	27.30
	1	9.00	2.80	-	25.20
	1	8.00	1.90	-	15.20
					<u>804.10 m²</u>

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	12.00	1.30	-	15.60 M ²
	1	9.00	2.40	-	21.60 M ²
	2	30.00	3.75	-	225.00 M ²
2nd. 1/4th.	1	11.00	2.00	-	22.00
	1	24.00	2.40	-	57.60
	1	15.00	1.50	-	22.50
	1	26.00	2.50	-	65.00
	1	12.00	2.40	-	28.80
	1	18.00	1.60	-	28.80
	1	12.00	1.10	-	13.20
	1	16.00	1.40	-	22.40
	1	13.00	1.30	-	16.90
	1	18.00	2.00	-	36.00

	1	24.00	1.00	-	24.00
	1	15.00	1.5	-	22.50
	1	19.00	2.00	-	38.00
	1	17.00	1.80	-	30.60
	1	13.00	1.60	-	20.80
	1	8.00	1.30	-	10.40
	1	19.00	1.20	-	22.80
3rd. 1/4th.	1	13.00	2.00	-	26.00
	1	18.00	1.30	-	23.40
	1	14.00	1.10	-	15.40
	1	16.00	1.80	-	28.80
	1	22.00	1.60	-	35.20
	1	18.00	1.30	-	23.40
	1	16.00	1.20	-	23.40
					19.20

1720.00 M²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	21.0	2.0	-	42.00 m ²
	1	24.0	1.30	-	31.20 m ²
	1	18.0	1.10	-	19.80 m ²
	1	21.0	1.40	-	29.40
	1	11.0	1.30	-	14.30
3rd. km.	1	21.0	1.20	-	25.20
	1	25.0	2.0	-	50.0
	1	15.0	1.30	-	19.50
	1	10.0	1.10	-	11.0
	1	31.0	1.80	-	55.80
	1	19.0	1.60	-	30.40
	1	21.0	1.30	-	27.30
	1	17.0	1.80	-	30.60
					2106.30 m ²
	Add Area vide TMS				
	P.No. (8)	9.4002	(7)	-	2568.80 m ²
					4675.10 m ²
9.	Pro. laying and rolling of close-graded premix surfacing mat. 20mm thickness all w.p.				
	Area vide TMS P.No. (8-11)				
	9.4002	(8)	-	-	4675.10 m ²
10.	Pro. and applying tar coat RSJ with all w.p.				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5	30.0	3.75	-	562.50 m ²
	5	30.0	3.75	-	562.50 m ²
	5	30.0	3.75 + 3.80/2	-	566.25 m ²
	5	30.0	3.80 + 3.75/2	-	566.25 m ²
	5	30.0	3.75 + 3.75	-	562.50 m ²
	5	30.0	3.75 + 3.75	-	562.50 m ²
	5	30.0	3.75 + 3.80	-	566.25 m ²
	5	30.0	3.80 + 3.75	-	566.25 m ²
	5	30.0	3.75 + 3.80	-	566.25 m ²
	5	30.0	3.75 + 3.80	-	566.25 m ²
	5	30.0	3.80 + 3.75	-	566.25 m ²
	5	30.0	3.75	-	562.50 m ²
	1	30.0	3.75	-	112.50 m ²
					6888.75 m ²
11.	Pro. and laying Semi dense bituminous concrete with 25 mm thick all comp.				
	5	30.0	3.75	0.025	14.062 m ³
	5	30.0	3.75	0.025	14.062 m ³
	5	30.0	3.75 + 3.80/2	0.025	14.156 m ³
	5	30.0	3.80 + 3.75/2	0.025	14.156 m ³
	5	30.0	3.75	0.025	14.062 m ³
	5	30.0	3.75	0.025	14.062 m ³
	5	30.0	3.75 + 3.80	0.025	14.156 m ³
	5	30.0	3.75 + 3.80	0.025	14.156 m ³
					112.872 m ³

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>ABSTRACT OF COST</u>				
<u>1.</u>	clearing and Grubbing				
	road land with all				
	comp.				
	vide TMB P.No. (1-2)				
	q/area (1)	0.66	Hq.		
	Rs 72497.86/Hq. —				47908.00
<u>2.</u>	scarifying the existing				
	bituminous road				
	surface with all				
	comp.				
	vide TMB P.No. (8)				
	q/area (5)	2568.80	M ²		
	Rs 20.47/M ² —				52583.00
<u>3.</u>	Const. of granu/cv-				
<u>4.</u>	sub-base with all				
	comp.				
	vide TMB P.No. (3-5)				
	q/area (3)	227.145	M ³		
	Rs 4211.95/M ³ —				956723.00
<u>4.</u>	pro. laying spreading				
<u>5.</u>	and compacting				
	of 100 mm gr. 2 with				
	all comp.				
	vide TMB P.No. (6-7)				
	q/area (4)	192.86	M ³		
	Rs 5714.96/M ³ —				1101044.00

Continuation of 2,58,258.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>5/6.</u>	Pro. and applying				
	primer coat with				
	bitumen Emulsion (RS-1)				
	with all comp.				
	vide TMS p. No. (8)				
	9/1002 (7) 2568.80 m ²				
	at 60.59/m ²				155644.00
<u>6/7.</u>	Pro. and applying tack				
	coat with bitumen				
	Emulsion (RS-1) with				
	all comp.				
	4675.10 m ² vide TMS p. No. (8) 9/1002 (8)				
	6888.75 m ² vide TMS p. No. (11) 9/1002 (10)				
	11563.85 m ²				
	at 20.84/m ²				240990.00
<u>7/8.</u>	Pro. laying and rolling				
	of mix seal surfacing				
	with 20 mm thick				
	all comp.				
	vide TMS p. No. (11)				
	9/1002 (9) 4675.10 m ²				
	at 297.21/m ²				1389486.00
<u>8/9.</u>	Pro. and laying semi				
	dens bituminous				
	concrete 25 mm thick				
	all comp.				

Continuation of 39,44,378.00

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd on A/c Bill				
N/W:-	Const. of Road from				
	Lo26 Muraithe, to				
	Khaipurwara, under				
	MR- 3054				
Agency:-	Sri Anish Kr. Tiwari				
Agreement no:-	MBD/2020-21 (MR-3054)				
Dt. of start:-	09/09/2023				
Dt. of Completion:-	02-08-2024				
	Measurement				
1.	Const. of granular sub				
	base with all conf.				
	pot measurement				
	1	5.00	1.20	0.10	0.60 m ³
	1	6.00	2.00	0.10	1.20
	1	3.00	1.30	0.10	0.39
	1	2.00	1.10	0.10	0.22
	1	2.00	1.40	0.10	0.28
	1	11.00	2.50	0.10	2.75
4th km	1	30.00	3.75	0.10	11.25
	1	8.50	2.50	0.10	2.12
	1	10.00	3.75	0.10	3.75
	1	20.00	2.50	0.10	5.00
	1	12.00	2.80	0.10	3.36
	1	12.00	3.10	0.10	3.72
					34.64 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	05.00	1.80	0.10	0.90
	1	5.50	1.30	0.10	0.71
	1	16.00	0.75	0.10	1.20
	1	4.00	2.00	0.10	0.80
	1	12.00	1.30	0.10	1.56
	1	15.00	0.90	0.10	1.35
	1	16.00	0.80	0.10	1.28
	1	5.00	1.20	0.10	0.60
	1	4.00	1.30	0.10	0.52
	7	3.00	1.40	0.10	0.42
	1	2.00	1.80	0.10	0.36
	2	3.00	1.60	0.10	0.960
	1	4.00	1.60	0.10	0.64
	1	7.00	0.90	0.10	0.63
					46.57 m ²
2.	Pro. laying spreading and compacting of NBM for 1st lift				
	all comp.				
	1	15.00	1.80	0.075	2.025 m ²
	1	10.00	3.75	0.075	2.813
	1	2.00	2.00	0.075	0.30
	1	30.00	1.30	0.075	0.293
	1	30.00	3.75	0.075	8.438
	2	2.00	2.50	0.075	0.375
	1	10.00	3.75	0.075	2.813
					17.057 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	20.00	2.50	0.075	3.75
	1	12.00	2.80	0.075	2.52
	1	10.00	2.5	0.075	1.875
	1	5.00	2.50	0.075	0.938
	1	10.00	1.00	0.075	0.75
	1	10.00	2.50	0.075	1.875
	1	5.00	2.50	0.075	0.938
	1	10.00	3.75	0.075	2.813
	1	12.00	3.10	0.075	2.79
	1	15.00	1.80	0.075	2.025
	1	16.00	3.75	0.075	4.50
					41.831 m ²
3.	Scarifying the Existing bituminous road surface with all comp.				
	Area vide T.M.P. No. 20-21				
	Qty ② 41.831 m ³				
	$41.831 / 0.075 = 557.75 \text{ m}^2$				
4.	Pro. and applying Primer coat (SS1) with all comp.				
	Qty vide T.M.P. No. 20-21				
	Qty ② 41.83 m ³				
	$41.83 / 0.075 = 557.75 \text{ m}^2$				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5.	Pro. and applying				
	7200 sq ft AS/ with				
	all w p.				
	1	11.00	2.00	=	22.00
	1	24.00	2.50	=	60.00
	1	15.00	2.60	=	39.00
	1	26.00	2.20	=	57.20
	1	19.00	2.10	=	39.90
	1	17.00	1.80	=	30.60
	1	13.00	1.60	=	20.80
	1	8.00	1.30	=	10.40
	1	19.00	1.20	=	22.80
	1	13.00	2.20	=	28.60
	1	18.00	1.30	=	23.40
	1	14.00	1.10	=	15.40
	1	16.00	1.80	=	28.80
	1	19.00	1.40	=	26.60
	1	13.00	2.60	=	33.80
	1	18.00	1.30	=	23.40
	1	14	1.10	=	15.40
	1	22	1.60	=	35.20
	1	12	1.30	=	15.60
					548.90 m ²
	Add Area vide TMB P.M. 21				
	91	(4)			557.75 m ²
					1106.65 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6.	Pro. m.s.s. with				
	all w.p.				
	Area, whole r.m.s.				
	P. No. 22 g + w (5) =				1106.65 m ²
7.	Pro. and applying				
	Tack coat of RS with				
	all w.p.				
	10	30.0	3.75	=	1125.0 m ²
	10	30.0	3.75	=	1125.0 m ²
	10	30.0	3.75	=	1125.0 m ²
	10	30.0	3.75	=	1125.0 m ²
	8	30.0	3.75	=	900.0 m ²
	1	20.0	3.75	=	75.0 m ²
					5475.0 m ²
8.	Pro. and laying				
	dense bituminous				
	Concrete with all w.p.				
CH. 0-565M	1	10.0	8.70 + 5.10 + 3.75	=	58.50 m ²
	1	30.0	3.75	=	112.50 m ²
	9	30.0	3.75	=	1012.50
	1	20.0	3.75 + 3.70 + 3.75	=	74.67 m ²
	7	30.0	3.75	=	787.50
	1	25.0	3.75 + 4.00	=	96.875
CH. 666M-1102M	14	30.0	3.75	=	1575.0 m ²
	1	16.0	3.75	=	60.0 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ch. 1933 M to 3446M	3	30.00	3.75	=	337.50 m ²
	1	20.00	$3.75 + \frac{4.60 + 3.75}{2}$	=	80.67 m ²
	6	30.00	3.75	=	675.00
	1	18.00	3.75	=	67.50
	1	20.00	$3.75 + \frac{5.20 + 4.00}{2}$	=	110.33
	1	(30.00 + 4.00)	7.60	=	258.40
	1	23.00	$7.60 + \frac{4.80}{2}$	=	142.60
	1	25.00	$4.80 + \frac{3.75}{2}$	=	106.875
	14	30.00	3.75	=	1575.00
	1	10.00	3.75	=	37.50
	1	14.00	$3.75 + \frac{3.90 + 3.75}{2}$	=	53.20
	10	30.00	3.75	=	1125.00
	1	30.00	$3.75 + \frac{3.70 + 3.75}{2}$	=	112.00
	10	30.00	3.75	=	1125.00
	1	29.00	$3.75 + \frac{3.70 + 3.65}{2}$	=	107.30
Ch. 4803 to 4676M	7	30.00	3.75	=	787.50
	1	10.00	3.75	=	37.50
	1	24.00	$3.75 + \frac{4.40 + 3.75}{2}$	=	83.30
	8	30.00	3.75	=	900.00
	1	28.00	$3.75 + \frac{4.55 + 3.75}{2}$	=	104.43
	5	30.00	3.75	=	562.50
	1	16.00	$3.75 + \frac{4.00}{2}$	=	62.00
Ch. 1369M to 1422M	3	30.00	3.75	=	337.50 m ²
	1	13.00	3.75	=	48.75 m ²
					12614.60 m ²
	12	19.60	$0.025 \times 0.025 \times \frac{1}{2}$	=	315.36 m ³
			Less 0.04	=	311.90 m ³
			Less previous 0.04	=	172.214 m ³
			Continuation	=	139.686 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9.					
					Const. of 4th reinforced
					Plain cement concrete
					Pavement M30 with
					all work.
Ch. 1102M to 1369M	7	30.0	3.75	=	787.50 M ²
	1	22.0	$3.75 + 6.25 + 3.75$	=	100.83 M ²
	1	30.0	$3.75 + 3.80$	=	113.25
	1	5.0	$3.80 + 3.90$	=	19.25
Ch. 1422M to 1933M	4	30.0	3.75	=	450.00
	1	15.0	3.75	=	56.25
	1	28.0	$3.75 + 5.10 + 3.75$	=	112.60
	1	26.0	$3.75 + 2.00 + 4.10$	=	129.56
	1	13.0	$4.20 + 3.75$	=	51.675
	8	30.0	3.75	=	900.00
	1	19.0	3.75	=	71.25
Ch. 3446M to 4003M	1	11.0	$3.65 + 3.75$	=	40.70
	2	30.0	3.75	=	225.00
	1	30.0	3.75	=	112.50
	1	18.0	$3.75 + 3.70$	=	67.23
	2	30.0	3.75	=	225.00
	1	20.0	3.75	=	75.00
	1	20.0	$3.75 + 4.05 + 3.75$	=	77.00
	8	30.0	3.75	=	900.00
	1	24.0	$3.75 + 4.40 + 2.40$	=	115.15
	1	17.0	$5.00 + 5.60 + 3.60$	=	80.96
	2	30.0	$3.60 + 3.75 + 3.70$	=	221.22
					4936.426 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4936	4.26	$\times (0.16 + 0.155 + 0.16)$		
				3	$= 779.95 \text{ m}^2$
Approach - 1323M	6.40	$\times \frac{6.20 + 4.0}{2} \times (0.15 + 0.14 + 0.15)$		3	
1661M -	7.40	$\times \frac{11.50 + 5.50}{2} \times (0.15 + 0.14 + 0.15)$		3.26	m^2
				3	$= 4.00 \text{ m}^2$
					789.21 m^2
					Limit Qty - 787.38 m^2
					less previous Qty - $(-)$ 747.68 m^2
					Net Qty - 39.70 m^2
10. Rcc M15 grade kilometre					
local stone with all comp.					
(i) 1cm stone					5 Nos.
(ii) 200mm stone					18 nos.
11. Pro. and fixing of road stud with lens reflector with all comp.					
	1x	126 Nos.			$= 126 \text{ nos.}$
12. Pro. and fixing of retro-reflective road sign board with all comp.					
(i) 600mm Equilateral triangle					22 Nos
(ii) 600mm Circular					18 nos.
(iv) 600x450mm rectangular					12 nos.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13.	Rec. misin boundary				
	Pillars with all w.p.				
	1	56 nos			56 nos.
14.	Planting of trees by				
	the road side with				
	all w.p.				
	1	160 Nos			160 Nos.
15.	Road marking with				
	Hot applied thermoplastic				
	Compound with all w.p.				
2	36	30.0	0.100		180.0 m ²
2	30	30.0	0.100		180.0 m ²
2	30	30.0	0.100		180.0 m ²
2	30	30.0	0.100		180.0 m ²
2	30	30.0	0.100		180.0 m ²
2	5	30.0	0.100		30.0 m ²
2	1	14.0	0.100		2.80
					932.80 m ²
16.	Const. of Subgrade and				
	Earthen shoulder				
	with all w.p.				
2	25	30.0	1.0	$0.30 + 0.40 = 525 m^3$	
2	25	30.0	1.0	$0.30 + 0.35 = 487.50$	
2	25	30.0	1.0	$0.30 + 0.45 = 562.50$	
2	25	30.0	1.0	$0.30 = 450$	
2	9	30.0	0.90	$0.35 = 170.10$	
Continuation					2195.10 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>ABSTRACT OF COST</u>				
1.	clearing and Grubbing road land with all comp.				
	vide TMB p.No. 14				
	2/1000 1/4 = 0.66 Hq.				
	Rs 72697.86/Hq				Rs 47908.00
					47980.00
2.	Const. of Subgrade and Earthen shoulder with all comp.				
	vide TMB p.No. 27/3				
	2/1000 (16) 2776.86 m ²				
	Rs 260.93/m ²				Rs 724566.00
3.	Scrifying the existing bituminous road surface to a depth of 15mm with all comp.				
	2568.80 m ² vide TMB p.No. 149/2/3				
	557.75 m ² vide TMB p.No. 219/1-3				
	3126.55 limit Qty. 2744.40 m ²				
	Rs 20.97/m ²				Rs 56178.00
4.	Const. of granular sub base by bro. well graded Mat. all comp.				

Rs. 828652.00

828725.00

B-1-828725=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
227.145 m ²	vide TMB p. No. 14	9	1/4		
46.57 m ²	vide TMB p. No. 19-20	9	1/1		
273.715 m ²					
	Q 4211.95/m ²				1152874.200
5/5.	Pro. laying spreading and comp. of WBM				
	gr. III with all comp.				
192.66 m ²	vide TMB p. No. 14	9	1/5		
41.831 m ²	vide TMB p. No. 20-21	9	1/2		
234.491 m ²	Limit Q 233-96 m ²				
	Q 5714.96/m ²				1337072.00
9/6.	Pro. and applying Primer coat (SS) with oil comp.				
2568.80 m ²	vide TMB p. No. 15	9	1/6		
557.75 m ²	vide TMB p. No. 21	9	1/4		
3126.55 m ²	Limit Q 2744.40 m ²				
	Q 60.59/m ²				166283.00
7/7.	Pro. and applying filler Coat RS1 with all comp.				
11563.85 m ²	vide TMB p. No. 15	9	1/7		
1106.65 m ²	vide TMB p. No. 22	9	1/5		
5475.0 m ²	vide TMB p. No. 23	9	1/7		
18145.50 m ²	Limit Q 18131.0 m ²				

Continuation

9.9484881=00

3484954=00

B1-3484954-00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2118/310 m ²	Q	20	84/m ²	Q	377850.00
1106.65 m ²					
8.	Pro. laying and rolling of close graded M.S.S.				
	with all w.b.				
4675.10 m ²	wide TMB P.No. 159 ft 7				
1106.65 m ²	wide TMB P.No. 239 ft 6				
5781.75 m ²	Limit Axis 5778.50 m ²				
	Q	297.21/m ²		Q	1777428200
9.	Pro. and laying semi dense bituminous concrete				
	with all w.b.				
172.214 m ²	wide TMB P.No. 169 ft 8				
139.686 m ²	wide TMB P.No. 249 ft 8				
311.90 m ²					
	Q	15965.19/m ²		Q	4979512.00
					4979543.00
10/10.	Constr. of un-reinforced Plain Cement concrete				
	finement M30 with all w.b.				
747.68 m ²	wide TMB P.No. 169 ft 7				
39.70 m ²	wide TMB P.No. 252 ft 9				
787.38 m ²					
	Q	9752.12/m ²		Q	7678585.00
					7678624
					7678585.00
					818238256.00
					18238399

32 Bt-18238399

Sch. XLV-Form No. 134

~~Bt-18238399~~

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>11</u> <u>12.</u>	RCC	M15 in	Kilometre		
	stone	with all	comp.		
	vide	TMB	P.No. 26		
	from	10 (i)	5 nos.		
	Rs 3204.15/No				16021.00
<u>12</u> <u>13.</u>	RCC	M15 in	200 m stone		
	with all	comp.			
	vide	TMB	P.No. 26		
	from	10 (i)	18 nos.		
	Rs 866.19/No				15591.00
<u>13</u> <u>14.</u>	Pro. and fixing of	typical			
	MMQSYMR	in	interlocking		
	Sign board	with all	comp.		
	vide	TMB	P.No. (8)		
	from	(6)	3 nos.		
	Rs 11644.49/No				34993.00
<u>14</u> <u>15.</u>	Pro. and fixing of road				
	stud	with all	comp.		
	vide	TMB	P.No. 26		
	from	(11)	126 nos.		
	Rs 263.40/No				33188.00
<u>15</u> <u>16.</u>	Pro. and fixing of				
	retro-reflectorised sign				
	board	with all	comp.		

Rs. 18338049.00

18338192.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		vide TMS p. No-26			
		from 12(i) - 22 nos.			
		as 5072-96/No - 2			111605.00
16/17		Pro. and fixing of retro-reflectorisied sign board with cell comp.			
		vide TMS p. No-26			
		from 12(ii) 18 nos.			
		as 6281-01/No - 2			113058.00
17/18		Pro. and fixing of retro-reflectorisied sign board with cell comp.			
		vide TMS p. No-26			
		from 12(iii) 12 nos.			
		as 6157-35/No 5 - 2			73888.00
18/19.		REC MIS in boundary pillars with cell comp.			
		vide TMS p. No-27			
		from 1/3 56 nos.			
		as 717.56/No - 1			40183.00
19/20		Planting of trees + 24 trees and side with cell comp.			
					as 18676783-w

18676926

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		S. Fee. - this bill			10%
1. GSB.	46.57 M ³				3856.00
2. WBM.	41.83 M ³				5895.00
3. MSS -	1106.45 M ²				1267.00
4. SDBC	139.486 M ³				12762.00
5. PCC MS.	39.70 M ³				40482.00
6. E/W -	2776.86 M ³				9722.00
					37550.00

Material Statement - this bill

1. GSB - S. metal -	42.0 M ³			
Local sand -	18 M ³			
2. WBM - S. metal -	9.60 M ³			
Screwing metal -	10 M ³			
3. E/W -	2776.86 M ³ × 33			91636.00
4. SDBC (MSS) - S. chips -	230 M ³			
5. PCC MS. - stone chips -	36.40 M ³			
Sand -	20 M ³			
6. Emulsion SS -	150.00 kg			
7. Emulsion RS -	1807.00 kg			
8. Bitumen -	16.97 M ³			

By

22/5/24

06.

21. 24. 41. 4

52. 19. 25. 5.4

0121 317

Req. Given Bal.

S. metal
92.60 + 230 + 36 → 498Local sand
18 + 20
Screwing metal
10

Continuation

→ 387150 → 5700
→ 10 × 150 → 1500

IT and on A/c B011
 36
 To Secy. Xuv/Item No. 12409-4 Date 6047128-
 BM Value estimate 24684-
 Particulars Details of actual measurement Contents of area

No.	L.	B.	D.	of area
SD @ 54	—	302356	—	—
IT @ 11	—	60471	—	—
L. @ 11	—	60471	—	—
C. @ 517	—	51247	—	—
S. @ 517	—	51247	—	—
Do. @ 11	—	98836	—	—
Sf	—	37350	—	—
Plantation (M.D.)	—	131886	—	—
Dredgetten	—	794064	—	—
B. @ 11	—	5253064	—	—
Total area	—	6047128	—	—

Paired for R. 6047128- (Paper)
 sheets for forty seven thousand

one hundred twenty eight thousand

Executive Engineer
 R.W.D. (W) Division
 Darbhanga-2

7.6.24

C for S

Bill Ref No
 2024061049990

10/6/24

Continuation