

M/R New Performance

Block → आजमनगर

Schedule XLV-Form No. 134

Repair of Road From LO75-Teghra to Baldiyagachhi
(Track-II)

DIVISION

Agreement No-25/MBD/2024-25

Agreement Amount → 4,45,37,443.00

SUB-DIVISION

Vishal Anand.

MEASUREMENT BOOK

1053

09/10/24

प्रमाणित किया जाता है कि इस अपीकृत
में मशीन द्वारा कुल 100 पन्नें अंकित हैं
जिसे श्री अरविन्द कुमार दास सहित अंकित
के नाम से निर्धारित किया जाता है। —

09/10/24
Executive Engineer
W.D. (W) Division Manihari
09/10/24

Sch. XLV-Form No. 134

_____ DIVISION

_____ SUB-DIVISION

Measurement Book

No. 1053
09/10/24

Name of officer _____

Date of first entry _____

Date of last entry _____

Est on Alc bill

1.

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:- Repair of road					
from To 75 Tehra to					
Baldihra Crackhi Track II					
Agency:- Vishal Agrawal					
Agreement No:- 25 MB 1/2024-25					
Date of commencement:- 09/10/2024					
Date of completion:- 08/10/2025					

Record Measurement					
① clearing and grubbing					
road Canal - EIT					
2 x 5 x 30m x	1.00m	=	300.00	m ²	
2 x 8 x 30m x	1.00m	=	480.00	"	
2 x 5 x 30m x	1.00m	=	300.00	"	
2 x 5 x 30m x	1.00m	=	300.00	"	
2 x 7 x 30m x	1.00m	=	420.00	"	
2 x 5 x 30m x	1.00m	=	300.00	"	
2 x 8 x 30m x	1.00m	=	480.00	"	
2 x 1 x 10m x	1.00m	=	20.00	"	
			0 x 7 =	2600.00	m ²
				=	0.26 Hect.

Continuation

2
Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② 3 Construction db					
C/S B with metal					
— E.M.					
2 x 2.70 x 0.90 m =					4.86 m ²
4 x 3.10 x 0.60 m =					7.44 "
2 x 7.00 x 0.90 m =					12.60 "
3 x 1.60 x 0.80 =					3.84 "
1 x 4.20 x 1.20 =					5.04 "
5 x 3.40 x 0.60 =					10.20 "
2 x 2.70 x 1.00 =					5.40 "
3 x 4.50 x 0.80 =					10.80 "
6 x 3.10 x 0.65 =					12.09 "
2 x 5.90 x 1.00 =					11.80 "
2 x 4.00 x 0.90 =					7.20 "
5 x 2.70 x 0.80 =					10.80 "
4 x 7.80 x 0.70 =					21.84 "
4 x 3.30 x 0.90 =					11.88 "
1 x 4.40 x 1.00 =					4.40 "
3 x 6.60 x 0.60 =					11.88 "
1 x 2.50 x 0.60 =					1.50 "
5 x 5.70 x 1.20 =					34.20 "
2 x 3.50 x 1.00 =					7.00 "
6 x 4.40 x 0.80 =					21.12 "
3 x 4.90 x 0.90 =					13.23 "
3 x 8.00 x 1.00 =					24.00 "

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
3 x 2.40 x		0.60	=		4.32 m ²
5 x 3.70 x		1.30	=		24.05 "
2 x 4.60 x		0.90	=		8.28 "
3 x 5.10 x		1.50	=		22.95 "
				0.475	312.72 m ²
312.72 m ²			x 0.175 m	=	54.73 m ³

JAAHSP
 27/11/21
 JE
 AN

Record Entry

① 4 plr, buying, spreading
 and compacting
 DBM GR-II - 117

2 x 2.80 x		0.90	=		5.04 m ²
4 x 3.20 x		0.60	=		7.68 "
2 x 7.10 x		0.90	=		12.78 "
3 x 1.60 x		0.80	=		3.84 "
1 x 4.30 x		1.30	=		5.59 "
5 x 3.50 x		0.60	=		10.50 "
2 x 2.80 x		1.10	=		6.16 "
3 x 4.60 x		0.80	=		11.04 "
6 x 3.20 x		0.70	=		13.44 "
2 x 6.00 x		1.10	=		13.20 "
2 x 4.10 x		0.90	=		7.38 "
5 x 2.80 x		0.80	=		11.20 "
4 x 8.00 x		0.70	=		22.40 "

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
4 x	3.40	x	0.90	=	12.24 m ²
1 x	4.50	x	1.10	=	4.95 "
3 x	6.70	x	0.60	=	12.06 "
1 x	2.60	x	0.60	=	1.56 "
5 x	5.80	x	1.30	=	37.70 "
2 x	3.60	x	1.10	=	7.92 "
6 x	4.50	x	0.80	=	21.60 "
3 x	5.00	x	0.90	=	13.50 "
3 x	8.20	x	1.10	=	27.06 "
3 x	2.40	x	0.60	=	4.32 "
5 x	3.80	x	1.40	=	26.60 "
2 x	4.70	x	0.90	=	8.46 "
3 x	5.20	x	1.60	=	24.96 "
4 x	5.00	x	1.10	=	22.00 "
2 x	8.10	x	0.90	=	14.58 "
6 x	2.50	x	1.30	=	19.50 "
4 x	3.80	x	0.40	=	6.08 "
2 x	4.70	x	1.00	=	9.40 "
4 x	5.20	x	0.80	=	16.64 "
2 x	5.40	x	0.30	=	3.24 "
3 x	2.70	x	1.00	=	8.10 "
1 x	3.80	x	1.50	=	5.70 "
3 x	2.60	x	0.90	=	7.02 "
2 x	6.70	x	1.40	=	18.76 "
3 x	5.40	x	0.90	=	14.58 "

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
6 x 2.80 x			1.60	=	26.88 m ²
2 x 6.60 x			1.50	=	19.80 "
2 x 4.20 x			1.20	=	10.08 "
6 x 3.80 x			1.50	=	34.20 "
4 x 5.00 x			1.10	=	22.00 "
4 x 3.20 x			1.20	=	15.36 "
				①+②=	607.10 m ²
				607.10 m ² x 0.075 m =	45.53 m ³
				JATP 19/12/2024 JE	
			402 19/12/24 MN		

Record Entry

①
5 plot, laying, spreading

8 Compacting WBM

CR-III - E/I.

2 x 2.90 x 0.90 m = 5.22 m²

4 x 3.30 x 0.60 m = 7.92 "

2 x 7.20 x 0.90 = 12.96 "

3 x 1.60 x 0.80 = 3.84 "

1 x 4.40 x 1.40 = 6.16 "

5 x 3.60 x 0.60 = 10.80 "

2 x 2.90 x 1.20 = 6.96 "

3 x 4.70 x 0.80 = 11.28 "

6 x 3.30 x 0.70 = 13.86 "

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2 x 6.10 x 1.20 =					14.64 "
2 x 4.20 x 0.90 =					7.56 "
5 x 2.90 x 0.80 =					11.60 "
4 x 8.20 x 0.70 =					22.96 "
4 x 3.50 x 0.90 =					12.60 "
1 x 4.60 x 1.20 =					5.52 "
3 x 6.80 x 0.60 =					12.24 "
1 x 2.70 x 0.60 =					1.62 "
5 x 5.90 x 1.40 =					41.30 "
2 x 3.70 x 1.20 =					8.88 "
6 x 4.60 x 0.80 =					22.08 "
3 x 5.10 x 0.90 =					13.77 "
3 x 8.40 x 1.20 =					30.24 "
3 x 2.40 x 0.60 =					4.32 "
5 x 3.90 x 1.50 =					29.25 "
2 x 4.80 x 0.90 =					8.64 "
3 x 5.30 x 1.70 =					27.03 "
4 x 5.10 x 1.20 =					24.48 "
2 x 8.30 x 0.90 =					14.94 "
6 x 2.60 x 1.40 =					21.84 "
4 x 3.90 x 0.40 =					6.24 "
2 x 4.80 x 1.10 =					10.56 "
4 x 5.30 x 0.80 =					16.96 "
2 x 5.50 x 0.30 =					3.30 "
3 x 2.80 x 1.10 =					9.24 "
1 x 3.90 x 1.60 =					6.24 "
3 x 2.70 x 0.90 =					7.29 "

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2	6.80	x	1.50	=	20.40 M ²
3	5.50	x	0.90	=	14.85 "
6	2.90	x	1.70	=	23.58 "
2	6.70	x	1.60	=	21.44 "
2	4.30	x	1.30	=	11.18 "
6	3.90	x	1.60	=	37.44 "
4	5.10	x	1.20	=	24.48 "
4	3.30	x	1.30	=	17.16 "
1	4.40	x	0.70	=	3.08 "
5	3.70	x	0.80	=	14.80 "
2	2.20	x	0.50	=	2.20 "
6	3.20	x	0.30	=	5.76 "
3	3.80	x	0.60	=	6.84 "
3	1.70	x	0.50	=	2.55 "
3	4.30	x	0.80	=	10.32 "
4	3.50	x	0.30	=	4.20 "
2	2.80	x	1.20	=	6.72 "
3	4.60	x	1.40	=	19.32 "
3	3.20	x	0.70	=	6.72 "
2	6.00	x	1.20	=	14.40 "
4	4.10	x	0.50	=	8.20 "
3	2.80	x	0.60	=	5.04 "
6	7.36	x	1.40	=	66.36 "
2	3.40	x	0.90	=	6.12 "
3	4.50	x	1.10	=	14.85 "
2	6.70	x	0.80	=	10.72 "

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
4 x 2.60 x			0.70	=	7.12 m ²
1 x 5.80 x			0.50	=	2.90 "
3 x 3.60 x			0.50	=	5.40 "
5 x 7.50 x			0.70	=	26.25 "
2 x 1.90 x			1.70	=	6.46 "
				0+4 =	907.36 m ²
				907.36 m ² x 0.075 m =	68.05 m ³
3 x 30 m x 3.75 m x 0.075 m.					25.31 "
1 x 10 m x 3.75 m x 0.075 m.					2.81 "
Extra widening:- 2 x 1 x 2 m x $\frac{0+1.35+0}{3}$ x 0.075 m.					1.35 "
				0+4 =	97.52 m ³
					Any P 3101025 50

Record Entry

①/6 plr and applying

Primer Coat with bitumen

emulsion (SS-I) - E.I.T.

Area of DBM Cur-III

J.T.M.B.P.-(8), SI-①/5^(A) = 907.36 m²

Limit to = 628.17 m²

②/7 plr and applying

Tack Coat with

bitumen emulsion (SS-I)

- E.I.T.

1 x 20 m x $\frac{4.60 + 3.75}{2}$ = 83.50 m²

5 x 30 m x 3.75 m = 562.50 "

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
5 x 30m x		3.75m		=	562.50m ²
1 x 22m x		$\frac{3.75 + 4.90 + 3.75}{3}$		=	90.93m ²
3 x 30m x		3.75m		=	337.50m ²
3 x 30m x		3.75m		=	337.50m ²
2 x 30m x		3.75m		=	225.00m ²
1 x 30m x		$\frac{3.75 + 5.20 + 3.75}{3}$		=	127.00m ²
3 x 30m x		3.75m		=	337.50m ²
2 x 30m x		3.75m		=	225.00m ²
4 x 30m x		3.75m		=	450.00m ²
1 x 18m x		$\frac{3.75 + 4.00}{2}$		=	69.75m ²
Total =					3408.68m ²

③
8 p/s & Gyping semi
dense bituminous
Concrete — E/I.
Area of tack coat
V.T. 1 B.P. — ③. 51 — ② = 3408.68m²
 $3408.68m^2 \times 0.025m = 85.22m^3$

402
7/1/25
An

MANS
07/01/25
JE

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Record entry					
① Construction of panel cement concrete					
— E.P.T.					
1 x 15 m x	$\frac{4.40 + 3.75}{2}$			x 0.125 =	7.64 m ³
2 x 30 m x	3.75 m			x 0.125 m =	28.13 "
1 x 18 m x	3.75 m			x 0.125 m =	8.44 "
1 x 20 m x	$\frac{3.75 + 4.90 + 3.75}{3}$			x 0.125 m =	10.33 "
3 x 30 m x	3.75 m			x 0.125 m =	42.19 "
2 x 30 m x	3.75 m			x 0.125 m =	28.13 "
1 x 18 m x	$\frac{3.75 + 4.50 + 3.75}{3}$			x 0.125 m =	9.00 "
3 x 30 m x	3.75 m			x 0.125 m =	42.19 "
1 x 20 m x	3.75 m			x 0.125 m =	13.59 "

$$\text{Total} = 189.64 \text{ m}^3$$

$$\text{Limit to} = 189.38 \text{ m}^3$$

② Construction of

subgrade & earthen

shoulder — E.P.T.

$$2 \times 10 \times 30 \text{ m} \times 0.750 \times 0.450 = 202.50 \text{ m}^3$$

$$2 \times 10 \times 30 \text{ m} \times 0.750 \times 0.450 = 202.50 "$$

$$2 \times 10 \times 30 \text{ m} \times 0.750 \times 0.450 = 202.50 "$$

$$2 \times 7 \times 30 \text{ m} \times 0.450 \times 0.300 = 56.70 "$$

$$2 \times 6 \times 30 \text{ m} \times 0.450 \times 0.300 = 48.60 "$$

$$2 \times 1 \times 10 \text{ m} \times 0.450 \times 0.300 = 2.70 "$$

$$\text{Total} = 715.50 \text{ m}^3$$

Continuation

MAH P

14/01/2025

JE

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Record Entry					
① 10 km stone post					✓
				$1 \times 2.00 \text{ Nos} =$	2.00 Nos
② 200 m stone post					✓
				$1 \times 6.00 \text{ Nos} =$	6.00 Nos
③ 125 Direction and date identification signs board.					
				$2 \times 1.20 \times 0.80 =$	1.92 m^2
④ 13 15 60 mm equilateral triangle board.					✓
				$1 \times 12.00 \text{ Nos} =$	12.00 Nos
⑤ 14 15 60 mm circular board.					✓
				$1 \times 6.00 \text{ Nos} =$	6.00 Nos
⑥ 15 15 60 mm x 450 mm rectangular board.					✓
				$1 \times 4.00 \text{ Nos} =$	4.00 Nos
⑦ 16 15 90 mm side octagon board.					✓
				$1 \times 2.00 \text{ Nos} =$	2.00 Nos
⑧ 17 planting of tree by the road side - E.H.					✓
				$1 \times 45.00 \text{ Nos} =$	45.00 Nos

Continuation

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

⑨	pl & laying of hot applied thermoplastic compound — E.I.				
	2	30	30	0.100	180.00 m ²

⑩	pl Road marking of pedestrian crossing — E.I.				
19					
	3	6.00	0.50	2.0	9.00 m ²

⑪	pl Road marking on C.C. Portion — E.I.				
20					

	2	7	30	0.100	42.00 m ²
	2	6	30	0.100	36.00 m ²
	2	1	10	0.100	2.00 m ²
				QTY =	80.00 m ²

⑫	pl & fixing of typical mm GSY Informatory Sign board.				
21					
	1	4.00	1.00		4.00 m ²

⑬	pl Brick masonry work in c.m. (1:3) parapet				
24					
	4	2	6.15	0.40	2.95 m ³

Continuation

Continuation

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Clearing and grubbing road land — E/I					
0.26 Hect	Q.V.T	M.B	P-	①	
		@ 76926.08/Hect			Rs. 20001.00
② Const of G.S.B with metal — E/I					
54.73 m ³	Q.V.T	M.B	P-	③	
		@ 2818.53/m ³			Rs. 154258.00
③ Pl., laying, spreading and Compacting WBM					
Cost-II — E/I					
45.53 m ³	Q.V.T	M.B	P-	⑤	
		@ 6112.19/m ³			Rs. 278288.00

④ Pl., laying, spreading & Compacting WBM					
Cost-III — E/I					
97.52 m ³	Q.V.T	M.B	P-	⑧	
Unit to 96.46 m ³		@ 5801.65/m ³			Rs. 559627.00
⑤ Pl & Applying primer					
Coat with emulsion					
(CS-1) — E/I					
628.17 m ²	Q.V.T	M.B	P-	⑧	
		@ 55.65/m ²			Rs. 34958.00
⑥ Pl & Applying tack					
Coat with emulsion					
(RS-1) — E/I					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
3408.68m ²	0-V-T	MB	P	(7)	
	@ 19.09/m ²			Rs.	65072.00
7/8 Pl 8 laying Semi dense Bituminous Concrete — E/I					
85.22m ²	0-V-T	MB	P	(9)	
	@ 13890.36/m ²			Rs.	1183736.00
8/9 Const ⁿ of Panel Cement Concrete — E/I					
89.38m ²	0-V-T	MB	P	(10)	
	@ 9610.28/m ²			Rs.	1819995.00
9/2 Const ⁿ of subgrade 8 earthen shoulder — E/I					
715.50m ³	0-V-T	MB	P	(10)	
	@ 264.72/m ³			Rs.	189407.00
10/10 km Stone Post —					
2.00 No.	0-V-T	MB	P	(11)	
	@ 3151.89/each			Rs.	6304.00
11/11 200m Stone Post —					
6.00 No.	0-V-T	MB	P	(11)	
	@ 853.13/each			Rs.	5119.00
12/12 Pl Direction and place identification Sign Board — E/I					
1.92 m ²	0-V-T	MB	P	(11)	
	@ 15154.83/m ²			Rs.	29097.00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
13 12 PL 600mm equilateral triangle board					
12.00 Nos	OV-T	MB	P	(11)	
				@ 4556.24/each	Fr. 54675.00
14 14 PL 600mm Circular board					
6.00 Nos	OV-T	MB	P	(11)	
				@ 4398.55/each	Fr. 26391.00
15 15 PL 600mm x 450mm rectangular board					
4.00 Nos	OV-T	MB	P	(11)	
				@ 4254.02/each	Fr. 17016.00
16 16 PL 900mm Side octagon board					
2.00 Nos	OV-T	MB	P	(11)	
				@ 8723.38/each	Fr. 17447.00
17 17 Planting of trees by the road side					
45.00 Nos	OV-T	MB	P	(11)	
				@ 1305.10/each	Fr. 58729.00
18 18 PL 8 layer of Hot Applied thermoplastic Compound					
180.00 m ²	OV-T	MB	P	(12)	
				@ 886.50/m ²	Fr. 159570.00

Continuation

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				B.f	RS. 4864815.00
Add 18% INST @				RS.	875667.00
Add 1% L. cess @				RS.	48648.00
Add 10% S. fee @				RS.	60745.00
					RS. 5849875.00
less 16.39% below				RS.	993894.00
					RS. 4855981.00
Limit					16.99593%
					19/10/25
					SE
					Ans
					19/11/25
					Ans

Continuation

Material Statement			
① Earth	$715.50 \text{ m}^3 @ 35.25/\text{m}^3$		25221.00
② 26.5 mm - 9.5 mm	$= 22.93 \text{ m}^3 @ 901.46/\text{m}^3$		20724.00
③ 9.5 mm - 2.36 mm	$= 16.42 \text{ m}^3 @ 423.97/\text{m}^3$		7060.00
④ 2.36 mm	$= 26.27 \text{ m}^3 @ 144.75/\text{m}^3$		3802.00
⑤ 63 mm - 45 mm	$= 55.03 \text{ m}^3 @ 992.33/\text{m}^3$		54667.00
⑥ 11.2 mm	$= 11.84 \text{ m}^3 @ 901.46/\text{m}^3$		10673.00
⑦ Binding material	$0.27 \text{ m}^3 @ 161.62/\text{m}^3$		44.00
⑧ 53 mm - 22.4 mm	$= 116.72 \text{ m}^3 @ 1100.04/\text{m}^3$		128397.00
⑨ 11.2 mm	$= 23.15 \text{ m}^3 @ 901.46/\text{m}^3$		20878.00
⑩ 9.5 mm - 4.75 mm	$= 70.99 \text{ m}^3 @ 595.16/\text{m}^3$		42250.00
⑪ 4.75 mm below	$= 51.07 \text{ m}^3 @ 423.97/\text{m}^3$		21959.00
⑫ 20 mm	$= 102.27 \text{ m}^3 @ 1207.76/\text{m}^3$		123518.00
⑬ 10 mm	$= 68.18 \text{ m}^3 @ 595.16/\text{m}^3$		40578.00
⑭ C. sand	$= 171.91 \text{ m}^3 @ 502.80/\text{m}^3$		86436.00
⑮ Brick	$= 1475 \text{ Nos} @ 5.13/\text{each}$		7567.00
		Rs.	607452.00
	10% S. fee	Rs.	60745.00
⑯ Prime coat	$= 0.534 \text{ m}^3$		
⑰ Tack coat	$= 0.937 \text{ m}^3$		
⑱ Bitumen	$= 9.15 \text{ m}^3$		10.517 MT
⑲ Waste plastic	$= 0.690 \text{ m}^3$		

JAANBP
19/10/25
JE

Continuation

AD104-1629598 ✓

Letter No. 12477/2122,