

M/R New Maintenance

Block - अलिहारपुर

Repair of Rd from Aliharpur Path to Aliharpur
U. to C.

Schedule XLV-Form No.-134

Agreement 20-25 MBO/2024-25

DIVISION

Agreement Amt - 44537443=

SUB-DIVISION

MEASUREMENT BOOK

Vishal Anand

1056
09.10.24

प्रमाणित किया जाता है कि इस मापीयुक्त
में मशीन मुद्रित कुल 100 पन्ने अंकित हैं
जैसे श्री अराविन्द कुमार दास स्वयंश्रुती
आजमनगर के नाम से किया गया
है।


Executive Engineer
Rural Works Department
Works Division Manihar
9.10.24

Sch. XLV - Form No. 134

Manihar

DIVISION

Azamnagar

SUB-DIVISION

Measurement Book

No. 1056
09.10.24

Name of Officer _____

Date of first entry _____

Date of last entry _____

1st and final 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Repair of road from					
Aliharpur path to Hariharpur					
Uttar taluk					
Agency:- Vishal Anand					
Agreement No:- 25 MBD/2024-25					
Date of commencement:-					
Date of completion:-					
Record Measurement					
① clearing and scrubbing					
road land — E/P.					
2 x 10 x 30m x 1.00m =					600.00m ²
2 x 8 x 30m x 1.00m =					480.00 "
2 x 2 x 30m x 1.00m =					120.00 "
2 x 1 x 15m x 1.00m =					30.00 "
Qty.					1230.00m ²
=					0.123 Hact.
② construction of CSB					
with metal — E/P.					
2 x 3.20 x 0.50 x 0.175m =					0.56m ³
3 x 7.10 x 0.80 x 0.175 =					2.98 "
1 x 1.70 x 0.70 x 0.175 =					0.21 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5x	4.30	1.10	0.175	=	4.14 m ²
2x	3.50	0.50	0.175	=	0.61 "
3x	2.80	0.90	0.175	=	1.32 "
6x	4.60	0.70	0.175	=	3.38 "
2x	3.20	0.55	0.175	=	0.62 "
4x	6.00	0.90	0.175	=	3.78 m ²
				Qty.	17.60 m ²
③					
4 pls, laying & spreading					
B Compacting WBM					
ex-II - E14					
2x	3.30	0.50	0.075	=	0.25 m ²
3x	7.20	0.80	0.075	=	1.30 "

1x	1.70	0.70	0.075	=	0.09 "
5x	4.40	1.20	0.075	=	1.98 "
2x	3.60	0.50	0.075	=	0.27 "
3x	2.90	0.90	0.075	=	0.59 "
6x	4.70	0.70	0.075	=	1.48 "
2x	3.30	0.60	0.075	=	0.30 "
4x	6.10	0.90	0.075	=	1.65 "
5x	4.20	0.80	0.075	=	1.26 "
4x	2.90	0.70	0.075	=	0.61 "
4x	8.10	0.60	0.075	=	1.45 "
1x	3.50	0.80	0.075	=	0.21 "
6x	5.20	1.20	0.075	=	2.81 "
4x	8.30	1.00	0.075	=	2.49 "
2x	2.70	1.40	0.075	=	0.56 "

Qty. 17.30 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ 5 Plr laying & spreading					
8 Compacting WBM					
Gr-III - 81%					
2 x 3.40 x 0.50 x 0.075 =					0.25 m ³
3 x 7.30 x 0.80 x 0.075 =					1.31 "
1 x 1.70 x 0.70 x 0.075 =					0.09 "
5 x 4.50 x 1.30 x 0.075 =					2.19 "
2 x 3.70 x 0.50 x 0.075 =					0.28 "
3 x 3.00 x 0.90 x 0.075 m =					0.61 "
6 x 4.80 x 0.70 x 0.075 m =					1.51 "
2 x 3.40 x 0.60 x 0.075 m =					0.31 "
4 x 6.20 x 0.90 x 0.075 m =					1.67 "
5 x 4.30 x 0.80 x 0.075 m =					1.29 "
4 x 3.00 x 0.70 x 0.075 m =					0.63 "
4 x 8.30 x 0.60 x 0.075 m =					1.49 "
1 x 3.60 x 0.80 x 0.075 m =					0.22 "
6 x 5.30 x 1.30 x 0.075 m =					3.10 "
4 x 8.50 x 0.60 x 0.075 =					1.49 "
1 x 3.60 x 0.80 x 0.075 m =					0.22 "
6 x 5.30 x 1.30 x 0.075 m =					3.10 "
4 x 8.50 x 1.10 x 0.075 m =					2.80 "
2 x 2.80 x 1.50 x 0.075 m =					0.63 "
6 x 4.10 x 0.50 x 0.075 m =					0.92 "
4 x 5.00 x 1.20 x 0.075 m =					1.80 "
2 x 5.50 x 0.90 x 0.075 m =					0.74 "
4 x 5.70 x 0.40 x 0.075 m =					0.68 "
3 x 4.70 x 1.10 x 0.075 m =					1.05 "

$$0.47 = 28.49 \text{ m}^2$$

Continuation
 144/145
 03/02/2025
 JE

1x 10m x $\frac{3.90+3.75}{2}$	x 0.125m =	4.78 m ²
1x 25m x 3.75m	x 0.125m =	11.72 "
1x 10m x 3.75m	x 0.125m =	4.69 "
1x 30m x $\frac{3.75+5.60+3.75}{3}$	x 0.125m =	16.38 "
4x 30m x 3.75m	x 0.125m =	56.25 "
1x 15m x 3.75m	x 0.125m =	7.03 "
1x 10m x $\frac{3.75+3.90+3.75}{3}$	x 0.125m =	4.75 "
1x 15m x 3.75m	x 0.125m =	7.03 "
1x 30m x $\frac{3.75+5.20+3.75}{3}$	x 0.125m =	15.88 "
4x 30m x 3.75m	x 0.125m =	56.25 "
1x 22m x 3.75m	x 0.125m =	10.31 "
1x 30m x 3.75m	x 0.125m =	14.06 m
C-437m		0+4 = 209.13m

24/02/23
 A.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record entry					
① 2 Const. of subgrade & earthen shoulder					
— E.I.T.					
$2 \times 5 \times 30 \text{ m} \times 0.750 \times 0.450 =$					101.25 m^3
$2 \times 1 \times 26.50 \times 0.750 \times 0.450 =$					17.89 "
$2 \times 14 \times 30 \text{ m} \times 0.450 \times 0.300 =$					113.40 "
$2 \times 14 \times 17 \text{ m} \times 0.450 \times 0.300 =$					4.59 "
				Qty.	237.13 m^3
② 11 Km stone post					
				$1 \times 1.0 \text{ No.} =$	1.0 No.
③ 12 200m stone post					
				$1 \times 4.0 \text{ Nos} =$	4.0 Nos

④ 13 plr & laying erecting direction and place identification board.					
				$2 \times 1.20 \times 0.80 =$	1.92 m^2
⑤ 14 plr 600 mm equilateral & triangle board.					
				$1 \times 12.0 \text{ Nos} =$	12.0 Nos
⑥ 15 plr 600 mm circular board.					
				$1 \times 6.0 \text{ Nos} =$	6.0 Nos
⑦ 16 plr 600 mm x 450 mm rectangular board.					
				$1 \times 4.0 \text{ Nos} =$	4.0 Nos

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ 17 p/v 9.00mm side octagon board.					
					$1 \times 2.00 \text{ Nos} = 2.00 \text{ Nos}$
⑨ 18 planting of tree by the road side — E.T.					
					$1 \times 10.00 \text{ Nos} = 10.00 \text{ Nos}$
⑩ 19 p/v Road marking of hot applied on B.T. surface — E.T.					
					$2 \times 4 \times 26.00 \text{ m} \times 0.100 \text{ m} = 20.80 \text{ m}^2$
					$2 \times 3 \times 25.00 \text{ m} \times 0.100 \text{ m} = 15.00 \text{ m}^2$
					$\text{Total} = 35.80 \text{ m}^2$
⑪ 20 p/v pedestrian crossing — E.T.					
					$3 \times 6.00 \times 0.50 \times 2.00 = 9.00 \text{ m}^2$
⑫ 21 p/v Road marking of hot applied on C.C. surface — E.T.					
					$2 \times 14 \times 30 \text{ m} \times 0.100 \text{ m} = 84.00 \text{ m}^2$
					$2 \times 1 \times 17 \text{ m} \times 0.100 \text{ m} = 3.40 \text{ m}^2$
					$\text{Total} = 87.40 \text{ m}^2$
⑬ 22 p/v & fixing 'logo' of project board.					
					$1 \times 4.00 \text{ Nos} = 4.00 \text{ Nos}$

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 — El 2					
0.123 Hact	O.V.T	M.B	P	①	
					@ 76926.08/Hact — Rs. 9462.00
② Const ⁿ of Subgrade & earthen shoulder — El 2					
237.13 m ³	O.V.T	M.B	P	⑥	
					@ 264.72/m ³ — Rs. 62773.00
③ Const ⁿ of CSB with metal — El 2					
17.60 m ³	O.V.T	M.B	P	②	
					@ 2790.60/m ³ — Rs. 49115.00
④ plv. laying, Spreading & Compacting W.B.T. CS-17 — El 2					
17.30 m ³	O.V.T	M.B	P	②	
					@ 6048.22/m ³ — Rs. 104634.00
⑤ plv. laying, Spreading and Compacting W.B.T. CS-17 — El 2					
28.49 m ³	O.V.T	M.B	P	③	
					@ 5745.39/m ³ — Rs. 163686.00
⑥ plv. laying Primer Coat with emulsion CS-17 — El 2					
379.87 m ²	O.V.T	M.B	P	⑤	
					@ 55.63/m ² — Rs. 21132.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ 7 pl & Applying Tack Coat with emulsion (RS-1) — E/I					
678.51 m ² O.V.T MBP — ⑤					
@ 19.09/m ² — R.					12953.00
⑧ 8 pl & Laying SDBC — E/I					
16.96 m ² O.V.T MBP — ⑤					
@ 13833.08/m ² — R.					234609.00
⑨ 9 Const ⁿ of DLC Sub base — E/I					
2.83 m ³ O.V.T MBP — ④					
limit to 2.81 m ³ @ 5798.65/m ³ — R.					16294.00
⑩ 10 Const ⁿ of Panel Cement Concrete — E/I					
209.13 m ² O.V.T MBP — ④					
@ 9569.62/m ² — R.					2001295.00
⑪ 11 km Stone Post —					
1.00 No., O.V.T MBP — ⑥					
@ 3141.89/each — R.					3142.00
⑫ 12 200mm Stone Post —					
4.00 No., O.V.T MBP — ⑥					
@ 851.35/each — R.					3405.00
⑬ 13 pl & Laying erecting direction and place identification board					
1.92 m ² O.V.T MBP — ⑥					
@ 15148.59/m ² — R.					29085.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>(14)</u> 14 Pl 600mm equilateral 5 triangle board-					
12.00 Nos, O.V.T MB P- (6)					
				@ 4551.56/each - R.	54617.00
<u>(15)</u> 15 Pl 600mm Circular board-					
6.00 Nos, O.V.T MB P- (6)					
				@ 4393.87/each - R.	26363.00
<u>(16)</u> 16 Pl 600 x 450 - rectangular board -					
4.00 Nos, O.V.T MB P- (6)					
				@ 4249.34/each - R.	16997.00
<u>(17)</u> 17 Pl 900mm Side octagon board-					
2.00 Nos, O.V.T MB P- (7)					
				@ 8718.70/each - R.	17437.00
<u>(18)</u> 18 Planting of tree by road side - E/L					
10.00 Nos, O.V.T MB P- (7)					
				@ 1305.10/each - R.	13051.00
<u>(19)</u> 19 Pl 8 laying of Hot applied on B-T Surface - E/L					
35.80 m ² O.V.T MB P- (7)					
				@ 886.50/m ² - R.	31736.00
<u>(20)</u> 20 Pl Pedestrian					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Crossing — E/L					
9.00 m ² O.V.T MB P-⑦					
@ 886.50/m ² — R.					7979.00
21 Road marking on C.C. Surface — E/L					
87.40 m ² O.V.T MB P-⑦					
@ 1005.95/m ² — R.					87920.00
22 Pl & fixing 'legs' of Project board —					
4.00 Nos O.V.T MB P-⑦					
@ 11805.88/each — R.					47224.00
23 Pl Brick Masonry work in (1:3) — E/L					
2.15 m ² O.V.T MB P-⑧					
@ 6185.97/m ² — R.					13300.00
24 Plastering with CM (1:4) — E/L					
60.16 m ² O.V.T MB P-⑧					
@ 237.96/m ² — R.					14316.00
25 Painting on Parapet wall — E/L					
60.16 m ² O.V.T MB P-⑧					
@ 139.16/m ² — R.					8372.00
C.O. R.					3050897.00

Continuation

(13) crushed Agg =	$2.53 \text{ m}^3 @ 901.46/\text{m}^3$	-	2281.00
(14) c.sand =	$158.37 \text{ m}^3 @ 502.80/\text{m}^3$	-	79628.00
(15) 20mm =	$112.93 \text{ m}^3 @ 1207.76/\text{m}^3$	-	136392.00
(16) 10mm =	$75.29 \text{ m}^3 @ 595.18/\text{m}^3$	-	44809.00
(17) Brick =	1075 Nos @ 5.13/each	-	5515.00
		MS.	37077.00
		10% S.fee -	37078.00
(18) SS-1 =	0.323 M.T.		
(19) RS-1 =	0.187 M.T.		
(20) Bitumen =	1.82 H.T.		
(21) waste plastic =	0.137 M.T.		
	M.Angap 18/02/2025 SE		

Continuation