New Maintenance Policy - 2018

T04 TO Dharampur

Sehedule XLV Form No.-134
BIHAR P.W.D.

Executive Engineer
R.W.D. (W) Division
Motihari

_____ **DIVISION**

A.E. R.W.D. (W) ~~Sub~~ _____ **SUB-DIVISION**
Sugauli.

MEASUREMENT BOOK

MB. No. — 5571.
Jyoti Vandana

Certified that this measurement book has been counted one hundred (100) page in machine numbering only issued to A.G.R.W.D. (W) Sub. div. Sugauli.

Schedule XLV Form No.-134

_______________ DIVISION

A.G.R.W.D. (W) Sugauli. SUB-DIVISION

MB. No— 5571.

MEASUREMENT BOOK

Name of officer_______________

_______________ _______________

Date of first entry_______________

Date of last entry_______________

1st on A/c 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- Constn of road from Toy to Dharampur under M/R-3034					
Agency- M/S Jyoti vandana Constn Co.					
Agreement No- 65 SBD/2020-21					
Agreement value-					
Date of start- 21/09/2020					
Date of completion- 20/06/2021					
Record Entry					
(1) Clearing and grubbing roadland					
	2	x 5	x 30	x 1.00 =	300.00m²
	2	x 5	x 30	x 1.00 =	300.00m²
	2	x 5	x 30	x 1.00 =	300.00m²
	2	x 5	x 30	x 1.00 =	300.00m²
	2	x 5	x 30	x 1.00 =	300.00m²
	2	x 5	x 30	x 1.00 =	300.00m²
	2	x 3	x 30	x 1.00 =	180.00m²
	2	x 1	x 17	x 1.00 =	34.00m²
					2014.00m²
				=	0.20 hect

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2) Prov: Granular sub base grading II					
	1	3.00	1.00	0.100	0.30 M³
	2	4.00	1.75	0.100	1.40 M³
	3	1.25	1.05	0.100	0.39 M³
	2	5.00	2.50	0.100	2.50 M³
	3	4.00	2.50	0.100	3.00 M³
	2	5.50	1.90	0.100	2.09 M³
	2	4.00	1.75	0.100	1.40 M³
	1	3.00	1.00	0.100	0.30 M³
	3	3.50	2.50	0.100	2.62 M³
	2	1.50	1.00	0.100	0.30 M³
	2	2.00	0.50	0.100	0.20 M³
	3	4.00	3.00	0.100	3.60 M³
	3	4.00	1.50	0.100	1.80 M³
	3	2.00	1.50	0.100	0.90 M³
	2	4.00	2.50	0.100	2.00 M³
	2	2.00	2.00	0.100	0.80 M³
	2	4.00	2.00	0.100	1.60 M³
					25.20 M³

21/01/21
JE

21/01/21
AE

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Record Entry			
①	Room WBM Grade-2				
	1	x 3.20	x 1.15	x 0.075 =	0.28 M³
	2	x 4.50	x 1.90	x 0.075 =	1.28 M³
	3	x 1.50	x 1.20	x 0.075 =	0.40 M³
	2	x 5.50	x 2.60	x 0.075 =	2.14 M³
	3	x 4.25	x 2.75	x 0.075 =	2.63 M³
	3	x 3.70	x 2.60	x 0.075 =	2.16 M³
	2	x 5.75	x 2.10	x 0.075 =	1.81 M³
	2	x 4.50	x 2.40	x 0.075 =	1.35 M³
	1	x 3.20	x 1.15	x 0.075 =	0.28 M³
	2	x 3.70	x 2.60	x 0.075 =	2.16 M³
	2	x 1.75	x 1.20	x 0.075 =	0.31 M³
	2	x 2.50	x 0.75	x 0.075 =	0.28 M³
	3	x 4.20	x 3.10	x 0.075 =	2.95 M³
	3	x 4.25	x 1.75	x 0.075 =	1.67 M³
	3	x 2.50	x 1.20	x 0.075 =	0.96 M³
	2	x 4.50	x 2.20	x 0.075 =	1.48 M³
	2	x 2.25	x 2.25	x 0.075 =	0.76 M³
	2	x 4.50	x 2.75	x 0.075 =	1.86 M³
	2	x 4.75	x 2.50	x 0.075 =	1.78 M³
	3	x 2.25	x 2.20	x 0.075 =	1.11 M³
	2	x 3.50	x 2.70	x 0.075 =	1.42 M³
	5	x 2.20	x 2.25	x 0.075 =	1.86 M³
	3	x 3.50	x 3.10	x 0.075 =	2.44 M³
	3	x 2.85	x 1.20	x 0.075 =	0.77 M³
					34.12 M³

Continuation

15/02/21 JE

15/02/21 AE

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Record Entry			
(1) Brown WBM Grade-3					
	1	X 3.50	X 1.30	X 0.075 =	0.34 M³
	2	X 4.80	X 2.10	X 0.075 =	1.51 M³
	3	X 1.80	X 1.50	X 0.075 =	0.60 M³
	3	X 2.60	X 2.00	X 0.075 =	1.17 M³
	2	X 6.40	X 2.80	X 0.075 =	2.52 M³
	3	X 4.50	X 3.00	X 0.075 =	3.04 M³
	3	X 3.90	X 2.80	X 0.075 =	2.46 M³
	2	X 6.40	X 2.30	X 0.075 =	2.07 M³
	3	X 3.10	X 1.50	X 0.075 =	1.05 M³
	3	X 3.80	X 3.25	X 0.075 =	2.78 M³
	3	X 2.50	X 2.60	X 0.075 =	2.44 M³
	2	X 3.80	X 3.00	X 0.075 =	1.71 M³
	2	X 6.40	X 2.50	X 0.075 =	2.25 M³
	2	X 4.75	X 2.15	X 0.075 =	1.53 M³
	3	X 3.90	X 2.80	X 0.075 =	2.46 M³
	2	X 1.90	X 1.40	X 0.075 =	0.40 M³
	3	X 2.80	X 2.40	X 0.075 =	1.55 M³
	2	X 1.70	X 0.90	X 0.075 =	0.23 M³
	3	X 4.50	X 3.30	X 0.075 =	3.34 M³
	2	X 5.40	X 2.80	X 0.075 =	2.10 M³
	2	X 4.70	X 2.90	X 0.075 =	2.04 M³
	2	X 2.50	X 2.40	X 0.075 =	0.90 M³
	2	X 4.70	X 2.50	X 0.075 =	1.76 M³
	3	X 2.50	X 1.70	X 0.075 =	0.96 M³
	3	X 2.80	X 1.90	X 0.075 =	1.20 M³
	3	X 4.50	X 2.00	X 0.075 =	2.02 M³

Continuation

44.23 M³

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F.	44.23 M³
	1	X 3.90	X 1.80	X 0.075 =	0.38 M³
	3	X 3.00	X 2.10	X 0.075 =	1.42 M³
	2	X 5.60	X 2.10	X 0.075 =	1.57 M³
	1	X 3.70	X 1.20	X 0.075 =	0.33 M³
	2	X 3.80	X 3.40	X 0.075 =	1.71 M³
	4	X 3.50	X 2.30	X 0.075 =	2.41 M³
	3	X 5.40	X 2.50	X 0.075 =	2.81 M³
	3	X 6.40	X 2.70	X 0.075 =	3.64 M³
	2	X 4.50	X 2.50	X 0.075 =	1.69 M³
	1	X 4.40	X 2.40	X 0.075 =	0.80 M³
	1	X 3.90	X 1.30	X 0.075 =	2.93 M³
	2	X 4.50	X 1.50	X 0.075 =	1.01 M³
	3	X 5.50	X 2.50	X 0.075 =	3.09 M³
	1	X 3.70	X 2.20	X 0.075 =	0.61 M³
	1	X 4.50	X 2.40	X 0.075 =	0.81 M³
	3	X 4.40	X 2.70	X 0.075 =	2.43 M³
	2	X 5.40	X 2.90	X 0.075 =	2.17 M³
	2	X 3.40	X 2.50	X 0.075 =	1.12 M³
	1	X 4.40	X 1.25	X 0.075 =	0.37 M³
	2	X 5.40	X 2.50	X 0.075 =	1.87 M³
	2	X 4.50	X 2.50	X 0.075 =	1.69 M³
	3	X 5.40	X 2.40	X 0.075 =	2.70 M³
	1	X 5.40	X 2.50	X 0.075 =	0.94 M³
	2	X 4.50	X 1.25	X 0.075 =	0.84 M³
	5	X 2.50	X 2.60	X 0.075 =	2.44 M³
	5	X 3.50	X 1.82	X 0.075 =	2.39 M³
					88.20 M³

Continuation

22/03/21
J.E

22/03/21
06

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
(1) Prov^n Prime coat with emulsion (SS1)					
Qty. vide Pag (5) = 88.20 m³ / 0.075 =					1176.00 m²
(2) Prov^n Tack coat with emulsion (RS1)					
Q-same as above =					1176.00 m²
(3) Prov^n Laying and Rolling of close graded Premix surfacing of 20 mm thick MIX seal					
Q- same as above =					1176.00 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
(1) Brown Tar Coat with emulsion (Rs1)					
	5	X	30 X 3.75 =		562.50 M²
	5	X	30 X 3.75 =		562.50 M
	5	X	30 X 3.75 =		562.50 M
	5	X	30 X 3.75 =		562.50 M²
	5	X	30 X 3.75 =		562.50 M
	5	X	30 X 3.75 =		562.50 M
	5	X	30 X 3.75 =		562.50 M
	5	X	30 X 3.75 =		562.50 M
	5	X	30 X 3.75 =		562.50 M
	1	X	20 X 3.75 =		75.00 M
Extract cave	4	X 1/2 X	7 X 0.60 =		8.40 M
	2	X	7 X 0.60 =		8.40 M
	4	X 1/2 X	6 X 0.50 =		6.00 M
	2	X	6 X 0.50 =		6.00 M
	4	X 1/2 X	5 X 0.45 =		4.50 M
	2	X	5 X 0.45 =		4.50 M
	4	X 1/2 X	8 X 0.55 =		8.80 M
	2	X	8 X 0.55 =		8.80 M
					5 192.90 M

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Record Entry				
(1) Provn laying S.D. B.C.					
	5	30	3.75	0.025 =	14.06 M³
	5	30	3.75	0.025 =	14.06 M³
	5	30	3.75	0.025 =	14.06 M³
	5	30	3.75	0.025 =	14.06 M³
	5	30	3.75	0.025 =	14.06 M³
	5	30	3.75	0.025 =	14.06 M³
	3	30	3.75	0.025 =	8.44 M³
	5	30	3.75	0.025 =	14.06 M³
	2	30	3.75	0.025 =	5.62 M³
	5	30	3.75	0.025 =	14.06 M³
	1	20	3.75	0.025 =	1.87 M³
Extra at curve	4	1/2	7	0.60 × 0.025 =	0.21 M³
	2		7	0.60 × 0.025 =	0.21 M³
	4	1/2	6	0.50 × 0.025 =	0.15 M³
	2		6	0.50 × 0.025 =	0.15 M³
	4	1/2	5	0.45 × 0.025 =	0.11 M³
	2		5	0.45 × 0.025 =	0.11 M³
	4	1/2	8	0.55 × 0.025 =	0.22 M³
	2		8	0.55 × 0.025 =	0.22 M³
					129.79 M³

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
(1) Prep and laying Road Marking					
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	5	30	0.100 =	30.00 M
	2	1	20	0.100 =	4.00 M
					274.00 M
(2) Constn of subgrade and earthen shoulder					
	2	5	30	1.00 x 0.317 =	95.10 M
	2	5	30	1.00 x 0.317 =	95.10 M
	2	5	30	1.00 x 0.317 =	95.10 M
	2	5	30	1.00 x 0.317 =	95.10 M
	2	5	30	1.00 x 0.317 =	95.10 M
	2	5	30	1.00 x 0.317 =	95.10 M
	2	5	30	1.00 x 0.30 =	90.00 M
	2	5	30	1.00 x 0.30 =	90.00 M
	2	5	30	1.00 x 0.30 =	90.00 M
	2	1	20	1.00 x 0.30 =	12.00 M
					852.60 M

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Constn of Parapet wall					
① Brick Masonry 1:4 in Parapit					
	2	x 6.40	x 0.40	x 0.60 =	2.88 M³
② Plastering with cm (1:4) on brick work					
Sideface	4	x 6.40	x 0.60 =		14.40 M²
Top	2	x 6.40	x 0.40 =		4.80 M²
Frontface	4	x 0.40	x 0.60 =		0.96 M², 20.16 M²
③ Provn and fixing Kerb stone					3 Nos
④ Provn and fixing 200mm stone					4 Nos
⑤ Direction and Place identification sign					
	2	x 1.20	x 0.80 =		1.92 M²
⑥ Painting two coat Primer coat					
	8	x 6.40	x 2.20 =		70.40 M²
⑦ Provn and fixing Traffic sign					
(i) 600mm equilateral					10 Nos
(ii) 600mm circular					10 Nos
(iii) 600mm x 450mm					8 Nos
⑧ Planting of trees by the road side					50 Nos
⑨ Provn and fixing mandatory informatory sign board					3 Nos

Continuation

15/04/21 JE

15/04/21 AE

Abstract of cost

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1/221) Clearing and grubbing road land					
Q-VIIIBP1 (1) = 0.20 hect					
@ Rs 49496.70/hect					Rs 9899=00
(2/222) Constn of subgrade and earthen shoulder					
Q-VIIIBP 9 (2) = 852.60 m³					
@ Rs 176.47/m³					Rs 1,50,458=00
(3/223) Provn Granular sub base gr-II					
Q-VIIIBP2 (2) = 25.20 m³					
@ Rs 2075.03/m³					Rs 52291=00

(4/224) Provn WBM Grade-2					
Q-VIIIBP3 (1) = 34.12 m³					
@ Rs 3754.17/m³					Rs 128092=00
(5/225) Provn WBM Grade-3					
Q-VIIIBP4 (1) = 88.20 m³					
@ Rs 3460.86/m³					Rs 305248=00
(6/226) Provn Prime coat with emulsion (SS-1)					
Q-VIIIBP 6 (1) = 1176.00 ft					
@ Rs 41=47/ft					Rs 48769=00
(7/227) Provn laying and Rolling of close graded Premix Surface MIXseal					
Q-VIIIBP 6 (2) = 1176.00 ft					
@ Rs 200=62/ft					Rs 235929=00

Continuation

930686=00

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Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8/228) Provn Tack coat with emulsion (RS1)					
Q-VTMB P6 (D) = 1176.00 m²					
P7 (D) = 5192.90 m²					
6368.90 m²					
@ Rs 14.05/m² Rs					89483=00
(9/229) Provn laying S.D.B.C.					
Q-VTMB P8 (D) = 129.79 m³					
@ Rs 13003.05/m³ Rs					16,87,666=00
(10/230) Provn and fixing Km stone					
Q-VTMB P10 (D) = 3 Nos					
@ Rs 2585=16/each Rs					7755=00
(11/231) 200m stone					
Q-VTMB P10 (D) = 4 Nos					
@ Rs 675=09/each Rs					2700=00
(12/232) Direction and place identification					
Q-VTMB P10 (D) = 1.92 m²					
@ Rs 13095.31/m² Rs					25143=00
(13/233) Painting two coat Prime coat					
Q-VTMB P10 (D) = 70.40 m²					
@ Rs 96=40/m² Rs					6787=00
(14/234) 600mm equilateral					
Q-VTMB P10 (D) = 10 Nos					
@ Rs 3737.07/each Rs					37371=00
(15/235) 600mm circular					
Q-VTMB P10 (D) = 10 Nos					
@ Rs 5051.10/each Rs					50511=00

Continuation 28,38,102=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16/236) 610mm x 450mm					
Q-VIIMB P 10 (1) = 8 Nos					
@ Rs 4321.17/each Rs -					34569=00
(17/238) Planting of trees by the road side					
Q-VIIMB P 10 (8) = 50 Nos					
@ Rs - 800=30/each Rs -					40,015=00
(18/239) Provn and laying Road Marking					
Q-VIIMB P 9 (1) = 274.00 M					
@ Rs - 742.75/M Rs					2,03,513=00
(19/240) Provn and fixing HMGSY [illegible]					
Q-VIIMB P 10 (9) = 3 Nos					
@ Rs - 11498.64/each Rs					34496=00
(20/241) Brick Masonry work in cm (1:3) Parapet					
Q-VIIMB P 10 (1) = 2.88 M3					
@ Rs - 6120.97/M3 Rs.					17628=00
(21/242) Plastering with cm (1:4) on brickwork					
Q-VIIMB P 10 (2) = 20.16 M					
@ Rs - 200.50/M - Rs -					4042=00
				Rs -	31,72,365=00
Add 1% Labour cess (+)					31724=00
Add 12% GST (+)					380684=00
				Rs	35,84773=00

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. Rs	35,	84773=00
Less 0.27% below →					9679=00
			Rs	35	75,094=00

15/04/21 J.E

15/04/21

Materials statement

(i) Soil — 852.60 M³
(ii) Metal — 167.32 M³
(iii) Chips — 217.34 M³
(iv) Sand — 17.68 M³
(v) Screening — 29.36 M³
(v) Bricks — 1440 Nos
(vi) Emulsion (SS1) — 0.999 MT
(vii) Emulsion (RS1) — 1.751 MT
(viii) Bitumen — 17.209 MT Invoice No. EY2021M2301M3322 date 9/1/21
Inv. No. BH 5520218313 dated 28/03/21

15/04/21 J.E