New Maintenance Policy - 2018

Bhargawa To Bahuatha Kurbaini

Measurement Book

Schedule XLV-Form No. 134

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

DIVISION

A.E. R.W.D. (M)
Sugauli.

SUB-DIVISION

M.B. No. 6008.

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.

10/9/20

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

10.9.2020

Sch. XLV - Form No. 134

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

_____ DIVISION

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

MB. No — 6008.

Measurement Book

No.

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

1st on Ale 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- Const? of road from Bhargawa to Baudha Kurbain under H/R-3054					
Agency- M/s Jyoti Vandana Const? Co					
Agreement No- 65 SBD/2020-21					
Agreement value					
Date of start - 21/09/2020					
Date of Completion - 20/04/2021					
Record Entry					
① Cleaning and grubbing road land.					
	2	x	2 x 30	x 1.00 =	120.00㎡
	2	x	2 x 30	x 1.00 =	120.00㎡
	2	x	2 x 30	x 1.00 =	120.00㎡
	2	x	2 x 30	x 1.00 =	120.00㎡
	2	x	2 x 30	x 1.00 =	120.00㎡
	2	x	2 x 30	x 1.00 =	120.00㎡
	2	x	1 x 10	x 1.00 =	20.00㎡
					740.00㎡
					= 0.07 hect
			18/12/20 J.E		Reader 18/12/20 AE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2) Provn Granular sub base grading II.					
	1	x 3.40 x	2.50 x	0.100 =	0.75M³
	3	x 2.40 x	2.40 x	0.100 =	1.20M³
	2	x 1.40 x	0.75 x	0.100 =	0.15M³
	2	x 3.40 x	3.40 x	0.100 =	1.80M³
	1	x 1.70 x	0.90 x	0.100 =	0.15M³
	1	x 1.50 x	1.40 x	0.100 =	0.15M³
	2	x 2.40 x	1.80 x	0.100 =	0.40M³
	1	x 2.10 x	1.25 x	0.100 =	0.26M³
	1	x 1.80 x	0.60 x	0.100 =	0.11M³
	2	x 3.40 x	1.50 x	0.100 =	0.60M³
	2	x 2.40 x	1.40 x	0.100 =	0.40M³
	1	x 3.40 x	1.50 x	0.100 =	0.45M³
	1	x 2.20 x	1.60 x	0.100 =	0.35M³
	2	x 1.50 x	1.20 x	0.100 =	0.36M³
	1	x 1.90 x	1.10 x	0.100 =	0.21M³
	2	x 2.15 x	1.88 x	0.100 =	0.82M³
					8.16M³
			Less Lead		8.15M³
		19/02/21 J.E		Revised 19/02/21 J.E	

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
① Provn WBM Grade-2					
	1 X	3.15 X	2.65 X	0.075 =	0.63M³
	3 X	2.15 X	2.15 X	0.075 =	1.04M³
	2 X	1.15 X	0.90 X	0.075 =	0.16M³
	2 X	3.15 X	3.15 X	0.075 =	1.49M³
	1 X	2.40 X	1.10 X	0.075 =	0.16M³
	1 X	1.75 X	1.25 X	0.075 =	0.16M³
	2 X	2.25 X	1.25 X	0.075 =	0.42M³
	1 X	2.30 X	1.50 X	0.075 =	0.26M³
	1 X	2.00 X	0.80 X	0.075 =	0.12M³
	1 X	3.15 X	1.65 X	0.075 =	0.39M³
	1 X	3.20 X	1.80 X	0.075 =	0.43M³
	2 X	2.40 X	2.60 X	0.075 =	0.72M³
	1 X	2.10 X	1.30 X	0.075 =	0.20M³
	1 X	2.50 X	1.90 X	0.075 =	0.36M³
	2 X	1.80 X	1.40 X	0.075 =	0.38M³
	1 X	2.40 X	1.80 X	0.075 =	0.32M³
	3 X	4.15 X	3.15 X	0.075 =	2.94M³
	1 X	2.50 X	1.30 X	0.075 =	0.49M³
	2 X	2.20 X	1.75 X	0.075 =	0.58M³
	2 X	3.15 X	2.15 X	0.075 =	1.02M³
	2 X	2.40 X	1.30 X	0.075 =	0.47M³
	2 X	3.15 X	2.15 X	0.075 =	1.02M³
	1 X	2.15 X	1.30 X	0.075 =	0.20M³
	2 X	4.15 X	2.15 X	0.075 =	1.34M³
	2 X	4.24 X	2.20 X	0.075 =	1.40M³
					16.70M³

Continuation

04/03/21
J.E

04/03/21
A.E

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
(1) Provn WBM Grade-3					
	1 x 3.50 x 3.50 x 0.075 =				0.79 M³
	3 x 2.60 x 2.40 x 0.075 =				1.40 M³
	2 x 1.30 x 1.10 x 0.075 =				0.21 M³
	2 x 3.50 x 3.50 x 0.075 =				1.84 M³
	1 x 2.40 x 1.30 x 0.075 =				0.23 M³
	3 x 5.30 x 3.30 x 0.075 =				3.94 M³
	1 x 3.30 x 1.80 x 0.075 =				0.44 M³
	1 x 2.60 x 1.80 x 0.075 =				0.35 M³
	2 x 5.30 x 1.30 x 0.075 =				1.03 M³
	3 x 4.30 x 2.80 x 0.075 =				2.71 M³
	3 x 3.30 x 2.60 x 0.075 =				2.08 M³
	2 x 4.50 x 2.50 x 0.075 =				1.69 M³
	2 x 4.30 x 2.45 x 0.075 =				1.58 M³
	1 x 2.40 x 1.50 x 0.075 =				0.27 M³
	2 x 3.50 x 2.50 x 0.075 =				1.31 M³
	2 x 2.60 x 1.50 x 0.075 =				0.58 M³
	2 x 3.40 x 2.70 x 0.075 =				1.17 M³
	2 x 2.50 x 1.90 x 0.075 =				0.71 M³
	2 x 2.80 x 1.50 x 0.075 =				0.63 M³
	3 x 4.30 x 3.40 x 0.075 =				3.29 M³
	1 x 2.80 x 2.10 x 0.075 =				0.44 M³
	2 x 2.10 x 1.60 x 0.075 =				0.50 M³
	1 x 2.80 x 2.15 x 0.075 =				0.45 M³
	1 x 2.30 x 1.30 x 0.075 =				0.22 M³
	2 x 2.70 x 2.20 x 0.075 =				0.89 M³
					28.75 M³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F	28.75M²
2	X	1.30 X	0.55 X	0.075 =	0.11M²
3	X	2.30 X	2.30 X	0.075 =	1.19M²
3	X	5.30 X	1.80 X	0.075 =	2.15M²
2	X	2.60 X	1.50 X	0.075 =	0.58M²
1	X	3.10 X	2.60 X	0.075 =	0.46M²
1	X	4.60 X	1.50 X	0.075 =	0.52M²
1	X	3.25 X	1.80 X	0.075 =	0.44M²
2	X	2.15 X	1.60 X	0.075 =	0.52M²
1	X	1.80 X	0.90 X	0.075 =	0.12M²
2	X	3.20 X	2.00 X	0.075 =	0.96M²
4	X	3.30 X	3.30 X	0.075 =	3.27M²
3	X	3.13 X	2.20 X	0.075 =	1.55M²
					40.62M²

21/03/21
J.E

21/03/21
AE

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
(1) Provn Prime coat with emulsion (SS1)					
Qty vide item no (2) Pg (5)					
= 40.624/0.075 =					541.60 Sqm
(2) Provn - Tack coat with emulsion (RS1)					
Qty Same as above =					541.60 Sqm
(3) Provn, Laying and Rolling of close graded Premix Surfacing of 20 mm Thick MIX seal					
Qty Same as above =					541.60 Sqm

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Record Entry				
① Provn Tack coat with emulsion (RS1)					
Qty.	5	x 30	x 3.75 =		562.50m²
	5	x 30	x 3.75 =		562.50m²
	5	x 30	x 3.75 =		562.50m²
	5	x 30	x 3.75 =		562.50m²
	3	x 30	x 3.75 =		337.50m²
	1	x 20	x 3.75 =		75.0m²
Extend curve	4 x ½	x 6	x 0.40 =		4.80m²
	2	x 6	x 0.40 =		4.80m²
	4 x ½	x 5	x 0.55 =		5.50m²
	2	x 5	x 0.55 =		5.50m²
	4 x ½	x 4	x 0.37 =		2.96m²
	2	x 4	x 0.37 =		2.96m²
					2689.02m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
(1) Prov^{n} laying and Rolling					
	S.D.B.C				
	5	x30	x3.75	x0.025	= 14.06M^3
	5	x30	x3.75	x0.025	= 14.06M^3
	2	x30	x3.75	x0.025	= 5.62M^3
	1	x10	x3.75	x0.025	= 0.94M^3
	5	x30	x3.75	x0.025	= 14.06M^3
	6	x30	x3.75	x0.025	= 16.87M^3
	1	x10	x3.75	x0.025	= 0.94M^3
Extra at curve.	4	x1/2 x6	x0.40	x0.025	= 0.12M^3
	2	x6	x0.40	x0.025	= 0.12M^3
	4	x1/2 x5	x0.55	x0.025	= 0.14M^3
	2	x5	x0.55	x0.025	= 0.14M^3
	4	x1/2 x4	x0.57	x0.025	= 0.07M^3
	2	x4	x0.57	x0.025	= 0.07M^3
					67.21M^3
(2) Prov^{n} and laying Road Marking					
	2	x5 x30	x0.100		= 30.00M^2
	2	x5 x30	x0.100		= 30.00M^2
	2	x5 x30	x0.100		= 30.00M^2
	2	x5 x30	x0.100		= 30.00M^2
	2	x3 x30	x0.100		= 18.00M^2
	2	x1 x20	x0.100		= 4.00M^2
					142.00M^2

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record Entry				
(1) Consist of subgrade and earthen shoulder					
	2	X 5	X 30	X 1.00 X 0.30 =	90.00m³
	2	X 5	X 30	X 1.00 X 0.30 =	90.00m³
	2	X 5	X 30	X 1.00 X 0.30 =	90.00m³
	2	X 5	X 30	X 1.00 X 0.30 =	90.00m³
	2	X 3	X 30	X 1.00 X 0.30 =	54.00m³
	2	X 1	X 20	X 0.95 X 0.30 =	11.40m³ 5.70m³
					419.70m³
					425.40m³
(2) Procure and fixing Km stone					2 Nos
(3) 200 m stone					1 No
(4) Direction and Place sign					
	2	X 1.20	X 0.80 =		1.92m²
(5) Painting two coat Primer coat					
	2	X 6.40	X 2.20 =		28.16m²
(6) Procure and fixing Traffic sign					
(I) 600mm equilateral					8 Nos
(II) 600mm circular					8 Nos
(III) 600mm X 450mm					6 Nos
(7) Planting of trees by the road side					19 Nos

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Provn and fixing MMOSY informatory sign board					3 Nos
	17/04/21 J.E			17/04/21 AE	

Abstract of cost

(1/192) Prov. clearing and grubbing road land					
Q-VIMB P1(D) = 0.07 heet					
@ R- 49496.70/heet					R. 3465=00
(2/193) Constn of subgrade and earthen shoulder					
Q-VIMB P9(I) = 425.40 M³					
@ R. 176=47/M³					R. 75070=00
(3/194) Provn Granular sub base gr-II					
Q-VIMB P2(II) = 8.15 M³					
@ R 2135.53/M³					R. 17405=00

95940=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4/195) Provn WBM Grade-2					
Q-VIIMBP 3 (1) = 16.76 M					
@ Rs. 388 4.04/M² Rs.					64863=00
(5/196) Provn WBM Grade-3					
Q-VIIMBP 4 (1) = 40.62 M					
@ Rs. 35:75:08/M² Rs. 1,					45220=00
(6/197) Provn Prime coat with emulsion (SS1)					
Q-VIIMBP 6 (1) = 541.60 Sft					
@ Rs. 41.50/Sft Rs. 22476=00					
(7/198) Provn laying and Rolling of close graded Premix surfacing					
of 20 mm thick MIX seal					
Q-VIIMBP 6 (3) = 541.60 Sft					
@ Rs. 202=82/Sft Rs. 1,					09847=00
(8/199) Provn Tack coat with emulsion (RS1)					
Q-VIIMBP 6 (2) = 541.60 M²					
P7 (1) = 2689.02 Sft					
3230.62 Sft					
Limited - 3073.66 M²					
@ Rs. 14=06/M² Rs.					43216=00
(9/200) Provn laying S.D.B.C.					
Q-VIIMBP 8 (1) = 672.1 M					
@ Rs. 1312.06/M² Rs.					881866=00
					1363428=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(10/201) Providing and fixing Kerb stone					
Q-VIIIBP9(4) = 2 Nos					
@ Rs. 2614.81/each Rs.					5230=00
(11/202) 200 mm stone					
Q-VIIIBP9(5) = 1 Nos					
@ Rs. 680=43/each Rs.					680=00
(12/203) Direction and Place sign					
Q-VIIIBP9(6) = 1.92 Sft					
@ Rs. 1311 3.58/Sft Rs.					25178=00
(13/204) Painting two coat Primer coat					
Q-VIIIBP9(5) = 28.16 Sft					
@ Rs. 96.40/m² Rs.					2715=00
(14/205) 600 mm equilateral					
Q-VIIIBP9(6) = 8 Nos					
@ Rs. 375 1.81/each Rs.					30014=00
(15/206) 600 mm circular					
Q-VIIIBP9(6) = 8 Nos					
@ Rs. 506 5.84/each Rs.					40527=00
(16/207) 600 mm x 450 mm					
Q-VIIIBP9(6) = 6 Nos					
@ Rs. 433 5.01/each Rs.					26010=00
(17/209) Planting of trees by the road-side					
Q-VIIIBP9(7) = 19 Nos					
@ Rs. 800=30/each Rs.					15206=00
					1508988=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(18/210) Provn laying Road Marking					
Q-VIII B/ 8(2) = 142.10 m^2					
@ Rs - 742.75/m					Rs 1,05,470=00
(19/211) Provn and fixing MORTH informatory Signs					
Q-VIII B/10(8) = 3 Nos					
@ Rs - 11530.26/each					Rs 34591=00
				Rs. 16	49049=00
Add 1% Labour cess (+)					16490=00
Add 12% GST (+)					1,97,886=00
				Rs	1863425=00
Less 0.27% below (-)					5031=00
				Rs. 18	58394=00

(Signature) 17/04/21 J.E

(Signature) Raubav 17/04/21 AE

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Materials statement					
(i) Soil –			425.40M		
(ii) Metal –			75.60M		
(iii) Screening –			13.75M		
(iv) Chips –			110.73M		
(v) Sand –			4.16M		
(vi) Emulsion(SS1) –			0.460 MT		
(vii) Emulsion(RS1) –			0.845 MT		
(viii) Bitumen(15/12002) Invr. No. FY2021M23011332			8.783 MT		
Doc No-WB5529005206 dated 06/04/2021					
17/04/21					