

New Maintenance Policy-2018

NH-28 To Chikhalatti

Measurement Book

Schedule XLV-Form No. 134

Executive Engineer

R.W.D. (W) Division

Motihari

DIVISION

A. G. R. S. D. (W)

Sugauli.

SUB-DIVISION

M.B. No. 6009.

Tpeti Vardana.

certified that this measurement
book has been counted one hundred
(100) pages in machine numbering
only. issued to A.E. L.W.D. (W)
Sub div. Sugauli.

Vijay
10/9/10
Executive Engineer
R.W.D. (W) Division
10/9/2010
Motihari

Sch. XLV - Form No. 134

Executive Engineer

R.W.D. (W) Division

Motihari

DIVISION

A.E. L.W.D. (W) SUB-DIVISION
Sugauli

MB. No - 6009.

Measurement Book

No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

Sch

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 NH-28 to Chiknapati					
under M/R-3054					
Agency- M/S Jyoti Vandana Constn Co.					
Agreement No- 65 S.B.D/2020-21					
Agreement value-					
Date of start- 21/09/2020					
Date of completion 20/06/2021					
Revised Entry					

① Cleaning and grubbing					
road land					
2	x	5	x	30 x 1.00 =	300.00 sq
2	x	5	x	30 x 1.00 =	300.00 sq
2	x	5	x	30 x 1.00 =	300.00 sq
2	x	5	x	30 x 1.00 =	300.00 sq
2	x	2	x	30 x 1.00 =	120.00 sq
					1320.00 sq
					= 0.13 hect

② Prov ⁿ and fixing					
MHSY information					
sign board					
					3 Nos

11/12/20
 J.E
 Continuation

Rudav
 11/12/20
 AE

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Recessed Entry</u>					
① Paved with granite-3					
2	x	6.30	x	3.30 x 0.075	3.12 m ²
2	x	3.30	x	3.30 x 0.075	1.63 m ²
1	x	2.30	x	1.80 x 0.075	0.31 m ²
2	x	1.30	x	0.80 x 0.075	0.16 m ²
2	x	4.30	x	0.90 x 0.075	0.58 m ²
2	x	2.30	x	1.30 x 0.075	0.45 m ²
2	x	5.40	x	2.50 x 0.075	1.87 m ²
2	x	5.80	x	2.80 x 0.075	2.31 m ²
3	x	1.75	x	1.50 x 0.075	0.59 m ²
1	x	3.90	x	1.30 x 0.075	0.38 m ²
3	x	3.50	x	2.50 x 0.075	1.97 m ²
2	x	4.50	x	2.10 x 0.075	1.42 m ²
3	x	2.70	x	2.60 x 0.075	1.21 m ²
2	x	2.50	x	2.40 x 0.075	0.90 m ²
1	x	3.50	x	1.25 x 0.075	0.35 m ²
2	x	2.30	x	1.30 x 0.075	0.45 m ²
1	x	4.40	x	1.30 x 0.075	0.39 m ²
3	x	1.80	x	1.50 x 0.075	0.60 m ²
2	x	5.50	x	2.90 x 0.075	2.39 m ²
3	x	4.75	x	3.60 x 0.075	3.20 m ²
2	x	2.50	x	2.50 x 0.075	1.31 m ²
2	x	4.60	x	2.40 x 0.075	1.66 m ²
4	x	4.30	x	1.80 x 0.075	2.32 m ²
2	x	3.30	x	2.30 x 0.075	1.14 m ²
2	x	4.50	x	1.30 x 0.075	0.84 m ²
					31.53 m ²

Continuation

Continuation

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area					
	No.	L.	B.	D.						
<u>Record Entry</u>										
① Prov's and laying S.D.B.C.										
5	X	3.0	X	3.75	X	0.025	14.06M ³			
5	X	3.0	X	3.75	X	0.025	14.06M ³			
5	X	3.0	X	3.75	X	0.025	14.06M ³			
5	X	3.0	X	3.75	X	0.025	14.06M ³			
2	X	3.0	X	3.75	X	0.025	5.62M ³			
4	X	3.0	X	3.75	X	0.025	11.25M ³			
2	X	3.0	X	3.75	X	0.025	5.62M ³			
2	X	3.0	X	3.75	X	0.025	5.62M ³			
1	X	5	X	3.75	X	0.025	0.47M ³			
Estimated curve	4	X	1/2	X	6	X	0.55	X	0.025	0.16M ³
	2	X	6	X	0.55	X	0.025	0.16M ³		
	4	X	1/2	X	5	X	0.40	X	0.025	0.10M ³
	2	X	5	X	0.40	X	0.025	0.10M ³		
	4	X	1/2	X	4	X	0.30	X	0.025	0.06M ³
	2	X	4	X	0.30	X	0.025	0.06M ³		
	4	X	1/2	X	5	X	0.39	X	0.025	0.10M ³
	2	X	5	X	0.39	X	0.025	0.10M ³		
										85.66M ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
(1) Prov ⁿ and Laying Road					
Marking					
2	5	30	0.100		30.00 H
2	5	30	0.100		30.00 H
2	5	30	0.100		30.00 H
2	5	30	0.100		30.00 H
2	5	30	0.100		30.00 H
2	5	30	0.100		30.00 H ²
2	1	5	0.100		1.00 H
					181.00 H ²
(2) Constr ⁿ of subgrade and					
earth on shoulder					
2	5	30	1.00	0.30	90.00 H
2	5	30	0.95	0.30	85.50 H
2	5	30	0.95	0.30	85.50 H
2	5	30	1.00	0.30	90.00 H
2	5	30	1.00	0.30	90.00 H
2	5	30	1.00	0.30	90.00 H
2	1	5	1.00	0.30	3.00 H
					534.40 H ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
<u>Constn of Parapet wall</u>					
(1) Brick Masonry item (114)					
in Parapet					
2	x 6.00	x 0.40	x 0.60	=	2.88H ²
(2) Plastering with em (114)					
on brick work.					
Side face	4	x 6.00	x 0.60	=	14.40H ²
Top	2	x 6.00	x 0.40	=	4.80H ²
Front face	4	x 0.40	x 0.60	=	0.96H ²
					20.16H ²
(3) Prov'n and fixing corner - 2 Nos					
(4) Prov'n & fixing 200mm stone - 2 Nos.					
(5) Direction and Place identification sign					
2	x 1.20	x 0.80	=		1.92H ²
(6) Painting two coat Primer coat					
3	x 6.40	x 2.20	=		42.24H ²
(7) Prov'n and fixing Traffic sign					
(i) 600mm equilateral - 4 Nos					
(ii) 600mm circular - 4 Nos					
(iii) 600mm x 450mm - 3 Nos					
(8) Planting of trees by the road side - 33 Nos					

Continuation

19/04/21 J.E

19/04/21 AE

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) 161 Clearing and grubbing road land					
Q-VIMBP 1(1) = 0.13 hect					
e h. 49496.70/hect					6435=00
(2) 162 Constn of subgrade and earthen shoulder					
Q-VIMBP 9(2) = 534.40 M ²					
e h. 176=47/M ² h.					94306=00
(3) 163 Prov ⁿ granular sub base g-IT					
Q-VIMBP 2(3) = 12.84 M ²					
e h. 2135.53/M ² h.					27420=00
(3) 164 Prov ⁿ WBM grade-2					
Q-VIMBP 3(1) = 21.71 M ²					
e h. 3884.04/M ² h.					84322=00
(4) 165 Prov ⁿ WBM grade-3					
Q-VIMBP 4(1) = 56.60 M ²					
e h. 3525.08/M ² h.					202350=00
(5) 166 Prov ⁿ Prime coat with emulsion (SS1)					
Q-VIMBP 6(1) = 754.67 M ²					
e h. 41.50/M ² h.					31319=00
(6) 167 Prov ⁿ laying and rolling mix seal					
Q-VIMBP 6(3) = 754.67 M ²					
e h. 202.82/M ² h.					142347=00
					588499=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7) $\frac{168}{168}$ Prime Tack coat with emulsion (Rs)					
Q-VIMBP 6(2) =			754.67 ft		
P7(D) =			4227.55 ft		
			4982.22 ft		
			limited - 4129.53 ft		
e h 14.06/ft - h -					58061200
8) $\frac{169}{169}$ Prime laying and rolling S. D. B. e.					
Q-VIMBP 8(D) =			85.66 M		
e h - 13121.06/ft ² h -					11,23,950 ²⁰⁰
9) $\frac{170}{170}$ Prime and laying km stone					
Q-VIMBP 10(3) =			2. Noy		
e h - 2614.81/each h -					5230210
10) $\frac{171}{171}$ 200 m stone					
Q-VIMBP 10(4) =			2 Noy		
e h - 680 = 43/each h -					1361200
11) $\frac{172}{172}$ Direction and place identification					
Q-VIMBP 10(5) =			1.92 ft		
e h - 13113.58/ft h -					25178200
12) $\frac{173}{173}$ Painting two coat Prime coat					
Q-VIMBP 10(6) =			42.24 ft		
e h 96.40/ft - h -					4072200
					18,06,351200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{13}{174}$) 600 mm circular					
Q-VMBP 10 (D) = 4 Nos					
e R- 3751.81 / each R-					1500720
($\frac{14}{175}$) 600 mm circular					
Q-VMBP 10 (D) = 4 Nos					
e R- 5065.84 / each R-					2026320
($\frac{15}{176}$) 600 mm x 450 mm					
Q-VMBP 10 (D) = 3 Nos					
e R- 4335.01 / each R-					1300520
($\frac{16}{178}$) Planting of trees by the road-side					
Q-VMBP 10 (D) = 33 Nos					
e R- 800.30 / each R-					2641020
($\frac{17}{179}$) Provision Laying Road Marking					
Q-VMBP 9 (D) = 181.00 ft					
e R- 742.75 / M R-					13443820
($\frac{18}{180}$) Provision and fixing masonry in form of sign board					
Q-VMBP 1 (D) = 3 Nos					
e R- 11530.26 / each R-					3459120
($\frac{19}{181}$) Brick masonry work in cm (1:3) in parapet					
Q-VMBP 10 (D) = 2.88 M					
e R- 6143.16 / M R-					1769220

20,67,75720

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
f 20.3 Plastering with em 180 (114) on brickwork					
B-VI B p 10 (2) = 20.16 M ²					
R- 202.72 / M R					4087.200
R- 20.71, 844 = 0					
Add 1% Labour cost (+)					2.0718 = 0
Add 12% (INST) (+)					2.48621 = 0
R- 23,41,183 = 0					
Less 0.27% below					6321 = 0
R- 23,34,862 = 0					
19/04/21					
19/04/21					

Materials statement

(i) Soil -	534.40 M
(ii) Metal -	104.23 M
(iii) Screwing -	18.79 M
(iv) Chips -	141.44 M
(v) Sand -	11.38 M
(vi) Bricks -	1440 Nos
(vii) Emulsion (SS) -	0.64 MT
(viii) Emulsion (KS) -	1.135 MT
Inv No- F/2021/2301/3321 dated 9/01/2021	
(viii) Bitumen -	11.216 MT

Doc No- WB5529004252

dated 05/04/2021

Continuation

~~19/04/21~~
J.E