Name of Road : Mashrakh Sahajit Pur Road in Beng Chapra Village To Shekhpura via

Schedule XLV-Form No. 134

Ghughli Path

MR-N/3054

MBNO-724

Executive Engineer
Rural Works Department
Works Div. Marhaura

_____ DIVISION

_____ SUB-DIVISION

MEASUREMENT BOOK

Raju Kumar Singh

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 No.	L.	B.	D.	Contents of area
	1st Final				
Name of work - Marhrakh sahajitpur Road via Bengchapra village to Shekhpura via Gangra					
Agency - Raju kumar Singh Barahiya Tola, Marhrakh sadar					
Ag. No - 12 MR 3054/2020-21					
Work started - 25.09.2020					
Work completed - 24.08.21 (As per agreement)					
Actual date of completion - 02.06.2021					
	Item of work				
(1)	clearing and grubbing road land				
	2 x 110 NOS x 30M x 1.0				= 6600M²
					or 0.66Hect
(2)	P/V G.S.B. Grade II material in patches pot hole Measurement-				
	10.50 x 3.25 x 0.175				= 5.97 M
	10.10 x 2.00 x 0.175				= 3.53 M
	15.80 x 2.35 x 0.175				= 6.49 M

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		10.50	x 2.25	x 0.175	= 4.13
		5.35	x 2.50	x 0.175	= 2.34 M^3
		9.60	x 3.55	x 0.175	= 5.96 M^3
		18.54	x 3.55	x 0.175	= 11.51 M^3
		5.40	x 2.50	x 0.175	= 2.36 M^3
		3.11	x 3.45	x 0.175	= 1.87 M^3
		5.90	x 1.50	x 0.175	= 1.54 M^3
		5.54	x 3.05	x 0.175	= 2.95 M^3
		10.70	x 3.0	x 0.175	= 5.61 M^3
		5.40	x 2.1	x 0.175	= 1.89 M^3
		6.84	x 3.25	x 0.175	= 3.89 M^3
					60.04 M^3

(3) P/V in W.B.M. GII

POT. measurement W.B.M GII

10.25	x 2.10	x 0.075	=	1.61 M^3
7.80	x 3.35	x 0.075	=	1.95 M^3
11.16	x 3.25	x 0.075	=	2.72 M^3
4.50	x 3.35	x 0.075	=	1.13 M^3
14.30	x 2.35	x 0.075	=	2.52 M^3
7.45	x 3.55	x 0.075	=	1.98 M^3
7.35	x 2.60	x 0.075	=	1.43 M^3
12.65	x 3.65	x 0.075	=	3.46 M^3
10.05	x 2.60	x 0.075	=	1.96 M^3
10.36	x 3.35	x 0.075	=	2.60 M^3
10.71	x 3.35	x 0.075	=	2.69 M^3
13.95	x 2.10	x 0.075	=	2.19 M^3

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		10.28 x 2.45 x 0.075 =			1.88 M^3
		8.75 x 2.35 x 0.075 =			1.54 M^3
		13.04 x 2.60 x 0.075 =			2.54 M^3
		10.54 x 3.60 x 0.075 =			2.84 M^3
		4.30 x 3.10 x 0.075 =			2.62 M^3
		12.60 x 2.60 x 0.075 =			2.37 M^3
		12.65 x 2.55 x 0.075 =			2.41 M^3
		10.05 x 1.60 x 0.075 =			1.20 M^3
					/
				T	43.64 M^3
(4)	P/V W.B.M. for III POT measurement W.B.M. G III				

	3x	15.90 x 2.70 x 0.075 =			9.65 M^3
	2x	7.20 x 3.30 x 0.075 =			3.56
	5x	10.70 x 3.40 x 0.075 =			13.64
	3x	15.10 x 2.03 x 0.075 =			6.89
	2x	12.80 x 1.50 x 0.075 =			2.88
	3x	9.40 x 1.71 x 0.075 =			3.61
	2x	6.30 x 3.25 x 0.075 =			3.07
	5x	14.0 x 2.50 x 0.075 =			13.12
	4x	8.40 x 3.55 x 0.075 =			8.94
	2x	5.80 x 2.25 x 0.075 =			1.95
	3x	11.60 x 3.70 x 0.075 =			9.65
	2x	7.0 x 3.10 x 0.075 =			3.25
			T		80.21 M^3
				Less	79.99 M

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(5)	P/V Premix carpet (SS1)				
	Area: 79.99 / 0.075			=	1066.53 sq.m
(6)	Tack coat Area.				
	B.T. Area			=	1066.53
In PCC	2E portion Area.				
	5 x 20Mx 3.75M			=	375 M
				T:	1441.53 M²
(7)	P/V M.C.S-				
	Same area of Tack coat:			—	1441.53 M²
(8)	P/V Tack coat (QS1)				
	Length - 3300M.				
Area:	110 Nos x 30Mx			3.75	= 12375 M²
(9)	P/V S.D.B.C.				
Qty	110 Nos x 30M x		3.75 x 0.025		= 309.375 M³
(10)	Kilometre stone			-	5 Nos
(11)	200m stone			-	13 Nos
(12)	P/V Direction and place identification Sign.				
	2 x 1.20 x 0.80			=	1.92 M²
(13)	Retro reflectorised Traffic Sign				

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(i)	600 mm equilateral Triangle			—	8 NOS
(ii)	600 mm circular.				6 NOS
(iii)	600 mm & 450 mm rectangular			-	8 NOS
(14)	Reinforced cement concrete M15 grade boundary pillar			—	22 NOS
(15)	painting new letter and figure of any shape	2	88	-	176 NOS
(16)	planting of tree and their maintenance for one year			-	94 NOS ~~95 NOS~~
(17)	Road marking with hot applied Thermo-plastic compound At edge for BT portion	2 ×	3300	× 0.10	= 660 M²
(18)	providing and fixing logo of maintenance project.			—	2 NOS.
(19)	Construction of sub grade and earth shoulder	2 × 110 NOS	30 M	× 0.70 × 0.30 = 1386 M³	

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(20)	B/W in CM (1:3)				
	2 x 6 x 0.40 x 0.60			=	2.88 M^3
2 NOS @	2.88 M^3			—	5.76 M^3
(21)	plastering with CM (1:4) mortar				
Side face -	4 x	6 x	0.60	=	14.40 M^2
Top -	2 x	6 x	0.40	=	4.80 M^2
Front face	4 x	0.40	x 0.60	=	0.96 M^2
				T -	20.16 M^2
2 NOS @	20.16 M^2			——	40.32 M^2
(21)	plastering two coat on new concrete surface				
Side face	4 x	4 x	0.60	=	9.60 M^2
Top -	2 x	4 x	6.0	=	48.0 M^2
Front face	4 x	0.40	x 0.60	=	0.96 M^2
				T -	58.56 M^2
2 NOS @	58.56 M^2			——	117.12 M^2

Approved
2.6.21
50 Nos

03/06/21
AE

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF COST				
	(1st and Final Bill)				
(1)	Clearing and grubbing road lands				
0.66 Hect	@ Rs 5113.76 / Hect				3374.8=00
(2)	P/V G.S.B.				
	Alg vide TMB P. 01				
60.04 M^3	@ Rs 2265.60 / M^3				136027=00
(3)	P/V W.B.M. Gr-II				
	Alg vide TMB P. 03				
43.64 M^3	@ Rs 4207.56/ M^3				183618=00
(4)	P/V W.B.M. Gr III				
	Alg vide TMB P. 03				
79.99 M^3	@ Rs 3762.95/ M^3				300998=00
(5)	P/V Prime coat (SS1)				
	Alg vide TMB P. 04				
1066.53 M^2	@ Rs 42.29/ M^2				45104=00
(6)	P/V Tack coat (RS1)				
	Alg vide TMB P. 04				
1441.53 M^2	@ Rs 14.38/ M^2				20729=00
(7)	P/V M.S.S.				
	Alg vide TMB P. 04				
1441.53 M^2	@ Rs 229.51/ M^2				330846=00
(8)	P/V Tack coat (RS1)				
	Alg vide TMB P. 04				
12375 M^2	@ Rs 12.05/ M^2				149119=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(9)	P/L S.D.B.C.				
	Qty vide TMB P-04				
309.375	M^3 @ 11377.92/M^3				3520044=
(10)	Kilometre Stone				
	Qty vide TMB P-04				
5 Nos.	@ 2228.16 each				11141 =
(11)	200 M. Stone				
	Qty vide TMB P-04				
13 Nos.	@ 615.09 each				9226 =
(12)	P/L direction and Place identification sign				
	Qty vide TMB P-04				
1.92	M^2 @ 12319.24				23653 =
(13)	P/L 600 mm equilateral Triangle				
	Qty vide TMB P-05				
8 Nos.	@ 3630.26 each				29042 =
(14)	600 mm circular				
	Qty vide TMB P-05				
6 Nos.	@ 3726.80 each				22361 =
(15)	600 mm x 450 mm rectangular				
	Qty vide TMB P-05				
8 Nos.	@ 3597.68 each				28781 =

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(16)	Reinforced cement concrete boundary pillar Ply vide TMB P. 05				
22 Nos	@ Rs. 500.20 each				11004 = 00 ~~12001~~ = 00
(17)	Painting new roller and figure of any shed Ply vide TMB P. 05				
176 Nos	@ Rs. 0.53 per each sq.				92 = 00
(18)	planting of tree and their maintenance Ply vide TMB P. 05				
94 Nos	@ Rs 819.92 each				77072 = 00
(19)	Road marking with ~~hot~~ applied thermo-plastic compound. Ply vide TMB P 05				
660 M²	@ Rs. 735.44 / M²				485390 = 00
(20)	P/F and fixing maintenance of Rigid Board Ply vide TMB P-05				
2 Nos	@ Rs 9383.01 each				18766 = 00
(21)	Cons of Sub-grade and earthen shoulder Ply vide TMB P-05				
1386 M³	@ Rs. 176.86 / M³				245128 = 00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(22)	Brick masonry work in cm (1:3) Qty vide TMB P. 06				
5.76 ~~5.76~~ M^3	@ 4983.29/ M^3				28704=00
(23)	plastering with cm mortar (1:4) Qty vide TMB P. 06				
40.32 M^2	@ 144.94/ M^2				5844=00
(24)	painting over oil bound on new concrete surface ~~Qty~~ Qty vide TMB P. 06				
117.12 M^2	@ 97.19/ M^2				11383=00
				T.	5727820=
	Add 12% GST			-	687338=
		1% L.C. cess		-	57278=00
		0.50% S. Fee		-	28639=00
				G.T. -	6501075=00
Below 1.11% as per agreement					72162=
				Net amount -	6428913=00

Certified that work has been done as per plan and specifications and no dup due with contractor

2.6.21

03/06/21 AE