Name of Road :- Madarpur se Koray

W

Schedule XLV-Form No. 134

MR-N-3054 MBND-741

Executive Engineer
Rural Works Department
Works Div. Marhaura

_____ DIVISION

_____ SUB-DIVISION

MEASUREMENT BOOK

J. K. and company

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 Bill				
Name of work · M/R to Madarpur to					
	Koraram.				
Agency.	P.K. and company				
	Vil. Karm Kudarka				
	P.O. Durmarsan, Koram				
Ag. No.	06/MR/3054/MBD/2020-21				
Cost. con - 65,16,322=00					
Date of commencement · 26 05 2020					
Date of completion · 25.02.2021 (As per agr					
Actual date of completion · 2-3.2021					
	Item of work				
(1)	Clearing and grubbing road land				
	2x	10 Nos	x30M	x 1.0M	= 600 M²
	2x	10 NOS	x30M	x 1.0	= 600 M²
	2x	10 Nos	x30M	x 1.0	= 600 M²
	2x	10 Nos	x30M	x 1.0	= 600 M²
	2x	10 Nos	x30M	x 1.0	= 600 M²
	2x	10 Nos	x30M	x 1.0	= 600 M²
	2x	10 Nos	x30M	x 1.0	= 600 M²
	2x	10 Nos	x30M	x 1.0	= 600 M²
	2x	6 Nos	x30M	x 1.0	= 360 M²
	2x	1	x 20M	x 1.0	= 40 M²
				T.	5200 M²
					or 0.52 Hect

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2)	G.S.B. Grading II				
	Pot Measurement				
	9.08	× 1.67	× 0.175	=	2.65 M^3
	4.54	× 1.48	× 0.175	=	1.17 M^3
	5.68	× 1.60	× 0.175	=	1.59 M^3
	10.22	× 1.45	× 0.175	=	2.59 M^3
	6.81	× 1.60	× 0.175	=	1.90 M^3
	5.68	× 1.60	× 0.175	=	1.59 M^3
	5.68	× 1.60	× 0.175	=	1.59 M^3
	~~9.08~~ 9.80	× 1.45	× 0.175	=	2.30 M^3
	7.95	× 1.67	× 0.175	=	2.32 M^3
	7.95	× 1.51	× 0.175	=	2.10 M^3
	6.81	× 1.41	× 0.175	=	1.68 M^3
	7.95	× 1.51	× 0.175	=	2.10 M^3
	5.68	× 1.67	× 0.175	=	1.66 M^3
	11.35	× 1.51	× 0.175	=	2.99 M^3
	10.22	× 1.67	× 0.175	=	2.98 M^3
	9.08	× 2.14	× 0.175	=	3.40 M^3
	7.95	× 2.30	× 0.175	=	3.20 M^3
	7.39	× 1.67	× 0.175	=	2.16 M^3
	10.22	× 1.67	× 0.175	=	2.98 M^3
	10.22	× 1.98	× 0.175	=	3.54 M^3
	7.95	× 2.14	× 0.175	=	2.97 M^3
	9.36	× 2.43	× 0.175	=	3.98 M^3
	9.31	× 1.35	× 0.175	=	2.19 M^3
	11.35	× 2.14	× 0.178	=	4.25 M^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	13.0	× 2.30	× 0.175	=	5.23 M^3
	8.18	× 1.82	× 0.175	=	2.60 M^3
	9.31	× 1.51	× 0.175	=	2.46 M^3
	10.45	× 1.67	× 0.175	=	3.05 M^3
	8.23	× 1.67	× 0.175	=	2.40 M^3
					/
					75.62 M^3
(3)	P/W W.B.M. Gr II pot measurement				
	11.72	× 1.72	× 0.075	=	1.50 M^3
	8.89	× 1.72	× 0.075	=	1.14 M^3
	9.45	× 2.35	× 0.075	=	1.66 M^3
	10.58	× 2.19	× 0.075	=	1.73 M^3
	11.72	× 2.03	× 0.075	=	1.78 M^3
	9.45	× 2.19	× 0.075	=	1.54 M^3
	10.86	× 2.48	× 0.075	=	2.01 M^3
	10.81	× 1.40	× 0.075	=	1.13 M^3
	9.73	× 1.72	× 0.075	=	1.25 M^3
	11.95	× 1.72	× 0.075	=	1.53 M^3
	10.81	× 1.56	× 0.075	=	1.26 M^3
	9.68	× 1.87	× 0.075	=	1.35 M^3
	10.58	× 1.72	× 0.075	=	1.36 M^3
	9.73	× 2.35	× 0.075	=	1.71 M^3
	12.85	× 2.19	× 0.075	=	2.10 M^3
	11.16	× 2.03	× 0.075	=	1.69 M^3
	8.31	× 1.72	× 0.075	=	1.06 M^3
	9.73	× 1.72	× 0.075	=	1.35 M^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	12.29	x 2.35	x 0.075	=	2.16 M³
	9.73	x 1.72	x 0.075	=	1.25 M³
	11.16	x 1.97	x 0.075	=	1.64 M³
	15.12	x 1.91	x 0.075	=	2.16 M³
	9.73	x 1.87	x 0.075	=	1.36 M³
	10.24	x 1.56	x 0.075	=	1.19 M³
	13.99	x 1.72	x 0.075	=	1.79 M³
	8.54	x 1.72	x 0.075	=	1.09 M³
	7.18	x 1.72	x 0.075	=	0.92 M³
	13.99	x 1.56	x 0.075	=	1.63 M³
	10.93	x 1.56	x 0.075	=	1.27 M³
	10.86	x 1.72	x 0.075	=	1.39 M³
	9.73	x 1.72	x 0.075	=	1.25 M³
	10.86	x 1.56	x 0.075	=	1.26 M³
	10.86	x 1.56	x 0.075	=	1.26 M³
	13.13	x 1.72	x 0.075	=	1.68 M³
	13.47	x 1.65	x 0.075	=	1.66 M³
	7.46	x 1.65	x 0.075	=	0.92 M³
	10.86	x 1.72	x 0.075	=	1.39 M³
	11.72	x 1.78	x 0.075	=	1.56 M³
	12.88	x 1.56	x 0.075	=	1.49 M³
	7.18	x 1.72	x 0.075	=	0.92 M³
	8.54	x 1.78	x 0.075	=	1.13 M³
	9.45	x 1.69	x 0.075	=	1.12 M³
	10.58	x 1.50	x 0.075	=	1.18 M³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		7.18	x 1.65	x 0.075	0.88 M³
		6.04	x 1.53	x 0.075 =	0.69 M³
		7.18	x 1.65	x 0.075 =	0.88 M³
		6.04	x 2.59	x 0.075 =	0.71 M³
		11.72	x 1.50	x 0.075 =	1.31 M³
		8.31	x 1.65	x 0.075 =	1.02 M³
		7.18	x 1.65	x 0.075 =	0.88 M³
		9.45	x 1.50	x 0.075 =	1.06 M³
		11.72	x 1.50	x 0.075 =	1.31 M³
		6.27	x 1.65	x 0.075 =	0.77 M³
		3.0	x 1.65	x 0.075 =	0.37 M³
				T	72.76 M3

(4) P/V W.B.M. Cc. Lt.

(Pot Measurement)

13.97	x 1.56	x 0.075 =	1.63 M³
9.43	x 1.71	x 0.075 =	1.20 "
11.70	x 1.56	x 0.075 =	1.36 M³
9.43	x 1.71	x 0.075 =	1.20 "
10.56	x 1.71	x 0.075 =	1.35 "
13.97	x 1.56	x 0.075 =	1.63 "
9.43	x 1.71	x 0.075 =	1.20 "
8.29	x 1.65	x 0.075 =	1.02 "
12.83	x 1.78	x 0.075 =	1.71 "
9.43	x 1.71	x 0.075 =	1.20 "
12.83	x 1.56	x 0.075 =	1.80 "

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	11.70	× 1.78	× 0.075	=	1.56 M³
	11.70	× 1.62	× 0.075	=	1.42 "
	10.56	× 1.52	× 0.075	=	1.20 "
	11.70	× 1.62	× 0.075	=	1.42 "
	9.43	× 1.78	× 0.075	=	1.25 "
	15.10	× 1.62	× 0.075	=	1.83 "
	13.97	× 1.78	× 0.075	=	1.86 "
	12.83	× 2.25	× 0.075	=	2.16 "
	11.70	× 1.78	× 0.075	=	1.56 "
	11.14	× 2.41	× 0.075	=	2.01 "
	13.97	× 1.78	× 0.075	=	1.86 "
	13.97	× 2.09	× 0.075	=	2.19 "
	11.70	× 2.25	× 0.075	=	1.97 "
	12.83	× 2.25	× 0.075	=	2.16 "
	11.70	× 2.41	× 0.075	=	2.11 M³ "
	11.14	× 1.78	× 0.075	=	1.48 "
	9.0	× 1.78	× 0.075	=	1.20 "
	12.83	× 2.25	× 0.075	=	2.16 "
	11.70	× 2.41	× 0.075	=	2.11 "
	11.14	× 1.78	× 0.075	=	1.48 "
	13.97	× 1.78	× 0.075	=	1.86 "
	13.11	× 2.54	× 0.075	=	2.49 "
	13.06	× 1.46	× 0.075	=	1.43 "
	11.98	× 1.78	× 0.075	=	1.59 "
	14.20	× 1.78	× 0.075	=	1.89 "
	13.06	× 1.62	× 0.075	=	1.58 "
	11.93	× 1.93	× 0.075	=	1.72 "

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	12.43	× 1.62	× 0.075	=	1.81 M^3
	16.24	× 1.78	× 0.075	=	2.16 "
	11.98	× 1.78	× 0.075	=	1.59 "
	10.56	× 1.78	× 0.075	=	1.41 "
	13.41	× 2.09	× 0.075	=	2.10 "
	15.10	× 2.25	× 0.075	=	2.54 "
	11.98	× 2.41	× 0.075	=	2.16 "
	12.83	× 1.78	× 0.075	=	1.71 "
	11.98	× 1.93	× 0.075	=	1.73 "
	17.37	× 1.97	× 0.075	=	2.56 "
	13.41	× 2.03	× 0.075	=	2.04 "
	11.98	× 1.78	× 0.075	=	1.59 "
	17.37	× 1.97	× 0.075	=	2.56 "
	13.41	× 2.03	× 0.075	=	2.04 "
	11.98	× 1.78	× 0.075	=	1.59 "
	14.54	× 2.41	× 0.075	=	2.62 "
	10.79	× 1.78	× 0.075	=	1.44 "
	9.43	× 1.78	× 0.075	=	1.25 "
	16.24	× 1.62	× 0.075	=	1.97 "
	13.18	× 1.62	× 0.075	=	1.60 "
	13.11	× 1.78	× 0.075	=	1.75 "
	8.52	× 1.71	× 0.075	=	1.09 "
	12.27	× 2.35	× 0.075	=	2.16 "
	9.71	× 1.71	× 0.075	=	1.24 "
	13.11	× 1.78	× 0.075	=	1.75 "
	13.97	× 1.84	× 0.075	=	1.92 "
	15.10	× 1.62	× 0.075	=	1.83 "

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	11.98	× 1.78	× 0.075	=	1.59 M³
	13.14	× 1.62	× 0.075	=	1.59 "
	15.38	× 1.78	× 0.075	=	2.05 "
	15.68	× 1.71	× 0.075	=	2.01 "
	11.70	× 1.65	× 0.075	=	1.44 "
	10.79	× 1.84	× 0.075	=	1.48 "
	9.43	× 1.78	× 0.075	=	1.25 "
				T	123.87 M³
				Less	119.04 M³
		17.2.21			
				18/02/21	

(5) Prime coat (SS1)

Area 119.04 / 0.075 — 1587.20 M²

(6) Tack coat (QS1)

Same as prime coat — 1587.20 M²

(7) patch work over W.B.M. with mix. seal surface (Type B)

Area same as tack coat area — 1587.20 M²

(8) Tack coat (RS1)

86 nos × 3.0 M × 3.75 M = 9675

1 A 20 M × 3.75 = 75 M²

T — 9750 M²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(9)	P/V	S.D	B.C.		
	10 Nos	30 M	3.75	0.025	= 28.125 M3
	10 Nos	30 M	3.75	0.025	= 28.125 M3
	10 Nos	30 M	3.75	0.025	= 28.125 M3
	10 Nos	30 M	3.75	0.025	= 28.125 M3
	10 Nos	30 M	3.75	0.025	= 28.125 M3
	10 Nos	30 M	3.75	0.025	= 28.125
	10 Nos	30 M	3.75	0.025	= 28.125
	10 Nos	30 M	3.75	0.025	= 28.125
	6 Nos	30 M	3.75	0.025	= 16.875
	1 No	20 M	3.75	0.025	= 1.875
				T =	243.75 M3
(10)	Kilometre Stone.				
(i)	Kilometre stone			—	4 Nos
(ii)	200 m stone			—	10 Nos
(11)	Direction and Place identification Sign				
	2 x 1.20 x 0.80			=	1.92 m²
(12)	Retro-reflectorised Traffic Sign				
(i)	600 mm equilateral				Δ - 60 Nos
(ii)	600 mm circular			—	8 Nos
(iii)	600 mm x 450 mm				□ 13 Nos
(13)	P/V boundary pillar			—	~~48 Nos~~ 48 Nos.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(14)	printing New letter				
	and figures of any shape				
	2 x 176 a.			—	352 M
(15)	planting of tree				
	and their maintenance				130 Nos
(16)	Road marking with				
	hot applied thermoplastic				
	compound				
	2 x	86 x 30	M x 0.10	=	516 M²
	2 x	1 x 20	M x 0.10	=	4
				T	520 M²
(17)	P/V and fixing of logo				
	maintenance project — 4 Nos				
(18)	Const. Sub grade earthen shoulder				
	2 x	2600	x 0.70	x 0.30 =	1092 M³
(19)	Brick masonry in cm (1:3) parapet				
	2 x	6 x	0.40 x	0.60	= 2.88 M³
4 Nos @ 2.88 M³			—	—	11.52 M³
(20)	plastering with cm (1:4)				
Side face	4 x	6 x	0.60	=	14.40
Top	2 x	6 x	0.40	=	4.80
Front	4 x	0.40 x	0.60		20.96
					20.16 M²
4 Nos @ 20.16 M²			—	—	80.64 M²
(21)	painting one coat — on				
Side face	4 x	4 x	0.60	=	9.60 M²
Top	2 x	4 x	6.0	=	48.0 M²
Front face	4 x	0.4 x	0.60	=	0.96 M²
				T	58.56 M
4 Nos @ 58.56		—		—	234.24 M²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF COST				
(1/1)	clearing and grubbing road land.				
0.52 Hect.	Qty vide TMB P. 01 @ Rs 4949.70/Hect				2573.8=
(2/3)	Granular sub-base with well graded material.				
75.62 M^3	Qty vide TMB P. 02 @ Rs 2419.67/M^3				182975=00
(3/4)	P/L W.B.M. Gr III Qty vide TMB P.				
72.76 M^3	@ Rs 4548.95/M^3				330982=00
(4/5)	P/L W.B.M. Gr III Qty vide TMB P. 08				
119.04 M^3	@ Rs 4063.73/M^3				483256=00
(5/6)	Prime coat Qty vide TMB P. 08				
1587.20 M^2	@ Rs 41.33/M^2				65599=00
(6/7)	P/L Tack coat Qty vide TMB P. 08				
1587.20 M^2	@ Rs 14.02/M^2				22253=00
(7/8)	patch repair over W.B.M. using emulsified soap surface.				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1587.20 M²	C/W	227.17/M²			360564
(8/9)	P/V	~~S.D.B.C~~ Trucial			
	Qty recd TMB P-			09	
9750 M²	C/W	11.75/M²			114563
(9/10)	P/V C.D.B.C.				
	Qty recd TMB P-			09	
243.75 M³	C/W	11156.26/M³			2719338
(10/11)	Kilometre Stone				
	Qty recd TMB P-			09	
4 Nos	C/W	2354.76 each			9419
(11/12)	200 mm Stone				
	Qty recd TMB P-			09	
10 Nos	C/W	643.91 each			6439
(12/13)	Direction and place identification sign				
	Qty recd TMB P-			09	
1.92 M²	C/W	12393.08/M²			23795
(13/14)	600 mm equilateral A				
	Qty recd TMB P-			09	
60 Nos	C/W	3685.56 each			221134
(14/15)	600 mm circular				
	Qty recd TMB P-			09	
8 Nos	C/W	3784.91 each			30279
(15/16)	600 mm x 450 mm				
	Qty recd TMB P-			09	
13 Nos	C/W	3655.79 each			47525

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(16/17)	P/V boundary pillar				
	Qty vide TM No P- 09				
48 Nos	@ Rs 512.00 each				24576=00
(17/18)	Painting nos with letter -				
	qty vide TM No P- 10				180.00
352 Nos	@ Rs 0.57				188=00
(18/19)	planting of trees				
	Qty vide TM No P- 10				
130 Nos	@ Rs 800.30 each				104039=00
(19/20)	Road marking up -				
	— do - complete				
	Qty vide TM No P- 10				
520 M	@ Rs. 735.40/M				382408=00
(20/21)	P/V and fixing of sign				
	of maintenance board				
	Qty vide TM No P- 10				
4 Nos	@ Rs 9399.44 each				37598=00
(21/2)	Construction of CC gravel				
	and earthen shoulder				
	Qty vide TM No P- 10				
1092 M³	@ Rs 176.96/M³				193240=00
(22/22)	Brick masonry in				
	CM(1:3) in parapet				
	Qty vide TM No P- 10				
11.52 M³	@ Rs 5102.56/M³				58781=00
(23/23)	plastering work (cement				
	mortar (1:4)				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	qty neer TMB P			·10	
80·64 M²	@ 151·40				12209=00
24/24	painting two coat				
	on new surface				
	qty neer TMB P			·10	
234·24	M² @ 95·63/M²				22400=00
				T-B	~~6007327~~ 5478298=
Add –	12% G.S.T		–	5478290 ~~657395~~	~~657396~~
	1% L. cess			–	54783=
	0.5% S.fee		–	–	27391=
			G. Total Rs.		6217868=
	2.3.21		03/03/21 DE		6217859
ALLOTment vide Lr No – 2004 – 19-3-21					
Rs 6217868/-					
Material statement					
(A) G.S.B Grading II material					
26·5 mm to 9·5 mm stone aggregate					34·02 M³
9·5 mm to 2·36 mm			–,,	–	24·19 M³
2·36 mm below local sand			–	–	38·56 M³
(B) W.B.M. Gr II					
63 mm to 45 mm		stone metal			88·03 M³
4·2 mm screening			–,,	–	17·46 M³
Binding material		–	–	–	5·82 M³

Continuation