3 | | Rs.

Schedule XLV-Form No. 134

Name of Road – Four lane SH-78 (Mohiuddinpur PWD Road) to Harma Tola

Exe. Engg. R.W.D. Works ____ DIVISION

Sunny (m)

Fathua ____ SUB-DIVISION

MB No- 7608

MEASUREMENT BOOK

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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 measurements relating to each work).

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1st on A/c Bill					
Name of Work:- Repair & five years (maintenance of Road from four lane SH:78 (Mohiuddinpur PWD Road) to Narma To/g under 305 MR.					
Agency - M/s Sunny Contractors and Engineers PVT. LTD. West Chandeli Pairah, Jahanabad Dist. Jahanabad, 804408.					
Agreement no - 34/10 BO/ to 23-24					
Rate Approved - 1.50% Below.					
Date of Commencement - 26/05/2023					
Date of completion - 25/05/2024					
Date of measurement - 10/11/23.					
Work - done					
Item (1) cleaning & grubbing road land - de - ste					
	2	10	30.00	1.500	900.00 m²
	2	10	30.00	1.500	900.00 "
	2	10	30.00	1.500	900.00 "
	2	10	30.00	1.500	900.00 "
	2	10	30.00	1.500	900.00 "
Continuation C/O					4500.00 m²

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
				B/f =	4500.00 m²
Item ① Dismantling/clearing & grubbing (undressed)					
	2	× 5	× 30.00	× 1.500 =	450.00 m²
					4950.00 m²
∴ Hect. = 4950.00 m² / 10,000 = 0.50 Hect.					
Item ② Construction of Sub-grade & earthen shd - water - ditto - etc.					
	2	× 30.00	× 0.300 (AV)	× 0.160 =	8.64 m³
	2	× 10.00	× 0.300 (AV)	× 0.160 =	0.96 "
	2	× 10	× 30.00	× 1.0 (AV) × 0.320 (AV) =	192.00 "
	2	× 10	× 30.00	× 1.0 (AV) × 0.320 (AV) =	192.00 "
	2	× 10	× 30.00	× 1.0 (AV) × 0.320 (AV) =	192.00 "
	2	× 10	× 30.00	× 1.0 (AV) × 0.320 (AV) =	192.00 "
	2	× 10	× 30.00	× 1.0 (AV) × 0.320 (AV) =	192.00 "
	2	× 1	× 30.00	× 1.0 (AV) × 0.320 (AV) =	19.20 "
	2	× 1	× 20.00	× 1.0 (AV) × 0.320 (AV) =	12.80 "
					1201.60 m³
Item ③ Construction of G.S.B by hand with graded metal - Trial Gr. I - ditto - etc.					
	1	× 10.00	× 2.00	× 0.150 =	3.00 m³
				C/D	3.00 m³

Continuation

P.T.O.

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
				B/F	= 3.000 m³
Item ② Contd (GSB & Gr-I)					
	1 ×	9.00	× 2.30	× 0.150 =	3.11 "
	1 ×	8.00	× 2.10	× 0.150 =	2.52 "
	1 ×	11.00	× 1.70	× 0.150 =	2.81 "
	1 ×	8.00	× 2.30	× 0.150 =	2.76 "
	1 ×	10.00	× 1.70	× 0.150 =	2.55 "
	1 ×	11.00	× 2.20	× 0.150 =	3.63 "
	1 ×	8.00	× 2.30	× 0.150 =	2.76 "
	1 ×	9.00	× 1.80	× 0.150 =	2.43 "
	1 ×	10.00	× 2.00	× 0.150 =	3.00 "
	1 ×	6.00	× 2.10	× 0.150 =	2.52 "
	1 ×	10.00	× 2.20	× 0.150 =	3.30 "
	1 ×	9.00	× 2.00	× 0.150 =	2.70 "
	1 ×	11.00	× 1.60	× 0.150 =	2.64 "
	1 ×	10.00	× 2.00	× 0.100 =	2.00 "
	1 ×	11.00	× 2.20	× 0.100 =	2.42 "
	1 ×	9.00	× 2.10	× 0.150 =	2.84 "
	1 ×	11.00	× 2.10	× 0.150 =	3.47 "
	1 ×	9.00	× 1.48	× 0.150 =	1.89 "
	1 ×	10.00	× 1.30	× 0.150 =	1.95 "
	1 ×	10.00	× 1.30	× 0.150 =	1.95 "
	1 ×	11.00	× 1.50	× 0.150 =	2.48 "
	1 ×	9.00	× 1.50	× 0.100 =	1.35 "
	1 ×	13.00	× 1.60	× 0.100 =	2.08 "
	1 ×	6.00	× 1.40	× 0.150 =	1.26 "

Continuation

PTO

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Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (3) Control (GSB Gr. I)					
	1	7.00	1.70	0.150	1.79 m^3
	1	10.00	1.80	0.150	2.70 "
	1	12.00	2.00	0.150	3.60 "
	1	11.00	2.20	0.150	3.63 "
	1	8.00	2.10	0.150	2.52 "
	1	7.00	1.90	0.100	1.33 "
	1	10.00	2.20	0.150	3.30 "
	1	9.00	1.80	0.100	1.62 "
	1	11.00	1.70	0.150	2.81 "
	1	7.00	1.60	0.150	1.68 "
	1	8.00	1.80	0.150	2.16 "
	1	8.00	1.70	0.150	2.28 "
	1	11.00	2.00	0.150	3.30 "
	1	8.00	1.70	0.150	2.04 "
	1	10.00	1.70	0.150	2.55 "
	1	10.00	1.80	0.150	2.70 "
	1	11.00	1.60	0.150	2.64 "
	1	12.00	1.80	0.150	3.24 "
	1	13.00	2.00	0.150	3.90 "
	1	10.00	2.20	0.150	3.30 "
	1	9.00	2.50	0.150	3.38 "
	1	11.00	2.30	0.150	3.80 "
	1	9.00	2.40	0.150	3.24 "
	1	10.00	2.00	0.150	3.00 "

Continuation

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item ③ Earthwork (GSB) for I					
	1	11.00	1.70	0.150	3.14 m³
	1	10.00	2.10	0.150	3.15 "
	1	9.00	2.20	0.150	2.97 "
	1	13.00	2.50	0.150	4.88 "
	1	11.00	2.33	0.150	3.80 "
	1	11.00	2.60	0.150	4.29 "
	1	10.00	2.70	0.150	4.05 "
	1	11.00	2.20	0.150	3.63 "
	1	9.00	2.00	0.150	2.70 "
	1	8.00	2.10	0.150	2.52 "
	1	10.00	1.90	0.150	2.85 "
	1	11.00	1.80	0.150	2.97 "
	1	9.00	1.40	0.150	1.89 "
	1	7.00	1.70	0.150	1.79 "
	1	6.00	1.40	0.150	1.26 "
	1	11.00	2.30	0.150	3.80 "
	1	9.00	2.10	0.150	2.84 "
	1	7.00	1.90	0.100	1.33 "
	1	9.00	2.45	0.150	3.31 "
					187.04 m³
Item ④ Prov. laying spreading & compacting stone aggregates of specified					

Continuation

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (4) Contd (using gr-III)					
	Size stone using gr-III				
	-- do -- do -- etc				
	1 ×	30.00 ×	5.40 + 3.75 / 2 =		137.25 m²
	3 ×	30.00 ×	3.75 =		337.50 "
	1 ×	15.00 ×	3.75 + 4.00 / 2 =		58.12 "
	1 ×	15.00 ×	4.00 + 3.75 / 2 =		58.12 "
	1 ×	15.00 ×	3.75 + 4.25 / 2 =		60.00 "
	1 ×	15.00 ×	4.25 + 3.75 / 2 =		60.00 "
	9 ×	30.00 ×	3.75 =		1012.50 "
	1 ×	15.00 ×	3.75 + 4.25 / 2 =		60.00 "
	1 ×	15.00 ×	4.25 + 3.75 / 2 =		60.00 "
	10 ×	30.00 ×	3.75 =		1125.00 "
	5 ×	30.00 ×	3.75 =		562.50 "
	1 ×	20.00 ×	3.75 =		75.00 "
	1 ×	15.00 ×	3.75 + 4.25 / 2 =		60.00 "
	1 ×	15.00 ×	4.25 + 3.75 / 2 =		60.00 "
	9 ×	30.00 ×	3.75 =		1012.50 "
	1 ×	15.00 ×	3.75 + 4.25 / 2 =		60.00 "
	1 ×	15.00 ×	4.25 + 3.75 / 2 =		60.00 "
	5 ×	30.00 ×	3.75 =		562.50 "
	4 ×	30.00 ×	3.75 =		450.00 "
					5870.99 m²
Qty = 5870.99 m² × 0.075 =					440.30 m³
Profile Correction -	4.00 × 1.00 × 0.075 =				0.30 m³
		7.00 × 1.50 × 0.075 =			0.79 m³
					441.39 m³

Continuation

PTO

Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (5)	Exc. & supplying				
	primer coat with bitu-				
	-men emulsion (SS-1)				
	---do---do---etc.				
	1	30.00	5.40	3.75	= 137.25 m^2
	3	30.00	3.75^2		= 337.50 "
	1	15.00	3.75	4.00	= 58.12 "
	1	15.00	4.00	3.75^2	= 58.12 "
	1	15.00	3.75^2	4.25	= 60.00 "
	1	15.00	4.25	3.75^2	= 60.00 "
	9	30.00	3.75^2		= 1012.50 "
	1	15.00	3.75	4.25	= 60.00 "
	1	15.00	4.25^2	3.75	= 60.00 "
	1	10	30.00	3.75	= 1125.00 "
	5	30.00	3.75		= 562.50 "
	1	20.00	3.75		= 75.00 "
	1	15.00	3.75	4.25	= 60.00 "
	1	15.00	4.25	3.75^2	= 60.00 "
	9	30.00	3.75^2		= 1012.50 "
	1	15.00	3.75	4.25	= 60.00 "
	1	15.00	4.25	3.75^2	= 60.00 "
	5	30.00	3.75^2		= 562.50 "
	4	30.00	3.75		= 450.00 "
					5870.99 m^2
		Limit to			5870.63 m^2

Continuation

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (6) Prov. & applying Tack coat with bitumen emulsion (RS-1)					
-do- -do- -do-					
of same item (5) of Trim Page (7) = 5870.63 m²					
Item (7) Prov. laying, spreading & rolling of close graded bituminous layer material of specified thickness					
-do- -do- -do-					
of same item (5) of Trim Page (7) = 5870.63 m²					
Item (8) Prov. & applying tack coat with bitumen emulsion (RS-1)					
1 × 30.00 × 5.40 + 3.75 = 137.25 m²					
3 × 30.00 × 3.75 = 337.50 "					
1 × 15.00 × 3.75 + 4.00 = 58.12 "					
1 × 15.00 + 4.00 × 3.75 = 58.12 "					
1 × 15.00 × 3.75 + 4.25 = 60.00 "					
1 × 15.00 × 4.25 + 3.75 = 60.00 "					
					710.99 m²

Continuation

DTO

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Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
			B/f = 710.39m²		
Item (8) Contd (Tack coat)					
9	×30.00	×3.75	= 1012.50"		
1×	15.00	× (3.75+4.25)/2	= 60.00"		
1×	15.00	× (4.25+3.75)/2	= 60.00"		
10	×30.00	×3.75	= 1125.00"		
5	×30.00	×3.75	= 562.50"		
1	×20.00	×3.75	= 75.00"		
1×	15.00	× (3.75+4.25)/2	= 60.00"		
1×	15.00	× (4.25+3.75)/2	= 60.00"		
9×	30.00	×3.75	= 1012.50"		
1×	15.00	× (3.75+4.25)/2	= 60.00"		
1×	15.00	× (4.25+3.75)/2	= 60.00"		
5×	30.00	×3.75	= 562.50"		
4×	30.00	×3.75	= 450.00"		
			5870.99m²		
		Limit to 5870.63m²			
Item (9) Prov & Laying SDBC					
	with 100-120 TPH				
	batch type HMP				
	—do —do —etc				
Area vide item (8) = 5870.63m²					
Qty = 5870.63m² × 0.025 = 146.76m³					

Continuation

PTO

Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (10)	Construction of PCC Sub-base grade-etc				
	1	5.00	2.00	0.100	1.00 m³
	1	4.00	2.20	0.100	0.88 "
					1.88 m³
Item (11)	Construction of Lager concrete, R.C.C. pavement M.30 grade				
	-- do -- do -- etc				
	1	15.00	3.75	0.125	7.73 m³
	1	15.00	4.50 / 2	0.125	7.73 "
	2	15.00	3.75	0.125	14.06 "
	1	10.00	3.75	0.125	4.69 "
	1	5.00	3.75 + 3.95 / 2	0.125	2.41 "
	1	15.00	3.75 + 4.25 / 2	0.125	7.50 "
	1	15.00	4.25 + 4.00 / 2	0.125	7.73 "
					51.85 m³
Item (12)	R.C.C. M-15 grade Km stone-etc				
(i)	Km. stone				3.00 nos.
(ii)	200 M stone				6.00 nos.

Continuation

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (10)	Construction of PCC Sub-base do-etc				
	1	× 5.00	× 2.00	× 0.100	= 1.00 m³
	1	× 4.00	× 2.20	× 0.100	= 0.88 "
					1.88 m³
Item (11)	Construction of Paver concrete, R.C.C. pavement M.30 grade				
	— do — do — etc.				
	1	× 15.00	× 3.75 + 4.50 / 2	× 0.125	= 7.73 m³
	1	× 15.00	× 4.50 + 3.75 / 2	× 0.125	= 7.73 "
	2	× 15.00	× 3.75	× 0.125	= 14.06 "
	1	× 10.00	× 3.75	× 0.125	= 4.69 "
	1	× 5.00	× 3.75 + 3.95 / 2	× 0.125	= 2.41 "
	1	× 15.00	× 3.75 + 4.25 / 2	× 0.125	= 7.50 "
	1	× 15.00	× 4.25 + 4.00 / 2	× 0.125	= 7.73 "
					51.85 m³
Item (12)	R.C.C. M-15 grade Km stone pedestal-etc				
(i)	Km. stone				— 3.00 nos.
(ii)	200 M stone				— 6.00 nos.

Continuation

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (13)	Duration & Place				
	& description of sign				
	like size more than				
	0.9 sqm. Size boards				
	--- do --- do --- etc				
	2 ×	1.20	× 0.80	=	1.92 m²
Item (14)	Prov. & fixing of retro				
	reflectorized auth.				
	-ory. manglatory &				
	informatory signs				
	--- do --- do --- etc.				
	(i) 600 mm eq. & triangle				- 4.00 nos.
	(ii) 600 mm circular				- 2.00 Nos.
	(iii) 600 × 450 mm rectangular				- 4.00 Nos.
Item (15)	R.C.C. M-15 grade				
	boundary bi blocks etc.				
				Qty =	16.00 Nos.
Item (16)	Painting new letter				
	& figures - do - etc.				
	4.00	× 9.00		=	36.00 Sq.ft.

Continuation

P.T.O.

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Item (17)	Printing new letter head, Printing of official communication, Information, Sign board with "Logo" —do— —do— —do— Information, Cautionary & Maintenance Board				= 3.00 Nos.
Item (18)	Prov. & Laying of hot applied thermoplastic —tic compound etc:				
RT	Partition				
	2 × 10 × 30.00 × 0.100				= 60.00 m²
	2 × 10 × 30.00 × 0.100				= 60.00 "
	2 × 10 × 30.00 × 0.100				= 60.00 "
	2 × 10 × 30.00 × 0.100				= 60.00 "
	2 × 10 × 30.00 × 0.100				= 60.00 "
	2 × 1 × 30.00 × 0.100				= 6.00 "
	2 × 1 × 20.00 × 0.100				= 4.00 "
					310.00 m²
Ot of Pvt Partition					
	2 × 3 × 30.00 × 0.100				= 18.00 m²
	2 × 1 × 10.00 × 0.100				= 2.00 m²
					20.00 m²

10/11/23
J.E

10.11.23
SE

Continuation

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
Material Statement					
(I) Earth	—			1001.60 m^3	
(II) 53mm to 9.5mm S/Agg	—			112.224 m^3	
(III) 9.5mm to 2.36mm S/Agg	—			44.89 m^3	
(IV) 2.36mm Below	—			67.334 m^3	
(V) 53mm to 22.4mm S/Agg	—			534.082 m^3	
(VI) Stone Screening	—			105.934 m^3	
(VII) Stone Crushed Agg	—			158.507 m^3	
(VIII) 9.5-4.75mm Agg	—			122.251 m^3	
(IX) 4.75 & below Agg	—			87.909 m^3	
(X) Crushed Stone Coarse Agg	—			1.692 m^3	
(XI) 20mm Aggregate	—			27.999 m^3	
(XII) 10mm Aggregate	—			18.666 m^3	
(XIII) Coarse Sand	—			24.179 m^3	
(XIV) Emulsion (SS-2)	—			4.99 MT	
(XVI) Emulsion (RS-1)	—			3.229 MT	
(XVII) Bitumen (S-90)	—			98.09 MT	

10/11/23
J.E.

10.11.23
AE

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Sch.XLV-Form No. 134

Particulars	Details of actual measure No.	L.	B.	D.	Contents of area
			DPBs	7752.733=00	
(18)	Prov. & Fixing of Hydr. Cal Informatory Sign board with "Logo" Complete.				
3.00 Nos.	vide TMB Page (19)				
	@ 11275=98	Each		Rs 33826=00	
				Rs 7786559=00	
Add	18% GST	(+)		Rs 1401581=00	
Add	1% Cess	(+)		Rs 77866=00	
Add	Seigniorage vide TMB P. (19)	(+)		Rs 103439=00	
				Rs 9369445=00	
Less	50% below as per Agreement	(-)		Rs 140542=00	
				Rs 9228903=00	
Deduct	Previous payment vide TMB Page (20)	(-)		Rs 9049260=00	
				Rs 179643=00	

24/11/23
J.E.

24.11.23
AE

24/11/23

Continuation

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