MR NEW MAINT. POLICY-2018

MB-3498

Schedule XLV-Form No. 134

AMARDEH TO ATANAGAR

UNIBRO INFRASERV PRIVATE DIVISION

LIMITED/ISHAPUR/ SUB-DIVISION

PACKAGE NO. MR-N/21-22 CHAPRA-2/02.

Measurement Book

Jai Ganesh.

Ist and final.

M/R under New Maintance Policy 2018

Name of Work- Amardar to Atanagar

Situation of Work-

Agency by which work is executed- Unibro Infrastructure Private Limited

Date of Measurement- J.P. chaur Siwan

No. and date of agreement 34-MBD/2020-21

(These four lines should be repeated at the commencement of each measurement relating to each work) Date of Agt 07/12/2021

1.01% Below Rate 06/12/2022

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Actual date of Completion 06-12-2022.					
		Work done			
(1) clearing and grubbing Road land					
Ist km					
2×1000m×1.00m = 2000 m2					
IInd 2×1000×1.00(avg) = 2000 m2					
IIIrd 2×1000×1.00(avg) = 2000 m2					
4th km 2×15×1.00(avg) = 30.00 m2					
Convert the 6030 m2					
10,000 m2 = He	6030 / 10000 = 0.603 Hect.				
(2) Providing Sub base with well graded material GSB IInd					
1×6.13×2.93×0.175 = 3.143 M3					
1×9.08×2.93×0.175 = 4.656 "					
4.76×2.25×0.175 = 1.874 "					
8.13×2.93×0.175 = 4.169 "					
7.95×3.38×0.175 = 4.702 "					
17.44×1.80×0.175 = 5.494 "					
11.95×2.12×0.175 = 4.433 "					
7.99×2.03×0.175 = 2.824 "					
					31.295 M3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
					31.295 m^3
	1.04 ×	2.25 ×	0.175		= 1.591 m^3
	7.24 ×	3.20 ×	0.175		= 4.054 "
	4.17 ×	3.20 ×	0.175		= 2.335 "
	13.86 ×	2.25 ×	0.175		= 5.457 "
	12.15 ×	3.11 ×	0.175		= 6.613 "
	4.44 ×	1.35 ×	0.175		= 1.049 "
	4.17 ×	2.75 ×	0.175		= 2.007 "
	8.13 ×	2.75 ×	0.175		= 3.913 "
	6.04 ×	1.80 ×	0.175		= 1.903 "
	4.17 ×	2.93 ×	0.175		= 2.138 "
	12.15 ×	2.84 ×	0.175		= 6.039 "
					68.394 m^3

(2)

1 ×	6.62 ×	2.97 ×	0.075		= 1.475 m^3
1 ×	9.43 ×	2.97 ×	0.075		= 2.212 "
1 ×	5.37 ×	2.29 ×	0.075		= 0.922 "
1 ×	8.46 ×	2.97 ×	0.075		= 1.884 "
1 ×	8.29 ×	3.42 ×	0.075		= 2.126 "
1 ×	17.00 ×	1.84 ×	0.075		= 2.346 "
1 ×	11.96 ×	2.16 ×	0.075		= 1.938 "
1 ×	8.29 ×	2.07 ×	0.075		= 1.287 "
1 ×	4.71 ×	2.29 ×	0.075		= 0.809 "
1 ×	7.64 ×	3.24 ×	0.075		= 1.857 "
1 ×	4.83 ×	3.24 ×	0.075		= 1.174 "
1 ×	13.72 ×	2.29 ×	0.075		= 2.356 "

Continuation

~~19.099~~ m^3
20.386 m^3

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					~~19.099~~ M3
					20.386 M3
	1	× 12.15	× 3.15	× 0.075	= 2.870 M3
	1	× 5.07	× 1.39	× 0.075	= 0.529 "
	1	× 4.83	× 2.79	× 0.075	= 1.011 "
	1	× 8.46	× 2.79	× 0.075	= 1.770 "
	1	× 6.54	× 1.84	× 0.075	= 0.903 "
	1	× 4.83	× 2.97	× 0.075	= 1.076 "
	1	× 12.15	× 2.88	× 0.075	= 2.624 "
	1	× 9.47	× 2.97	× 0.075	= 2.109 "
	1	× 15.65	× 2.07	× 0.075	= 2.43 "
	1	× 11.50	× 3.15	× 0.075	= 2.717 "
	1	× 4.37	× 2.29	× 0.075	= 0.751 "
	1	× 15.86	× 3.24	× 0.075	= 3.854 "
	1	× 15.86	× 2.29	× 0.075	= 2.724 "
	1	× 6.62	× 2.97	× 0.075	= 1.475 "
	1	× 12.43	× 3.42	× 0.075	= 3.188 "
	1	× 12.15	× 1.84	× 0.075	= 1.677 "
Checked	1	× 22.06	× 2.16	× 0.075	= 3.736 "
	1	× 16.72	× 2.07	× 0.075	= 2.596 "
	1	× 12.15	× 2.29	× 0.075	= 2.087 "
	1	× 7.64	× 3.24	× 0.075	= 1.857 "
	1	× 11.22	× 3.24	× 0.075	= 2.726 "
	limited 65.00 M3				65.096 M3

26/10/22

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

(A)

Providing laying & spreading Compacting [illegible]

1 × 9.12 × 2.92 × 0.075 = 1.997 M³
1 × 11.83 × 2.92 × 0.075 = 2.591 "
1 × 7.87 × 2.24 × 0.075 = 1.322 "
1 × 10.96 × 2.92 × 0.075 = 2.400 "
1 × 10.79 × 3.37 × 0.075 = 2.727 "
1 × 19.50 × 1.79 × 0.075 = 2.618 "
1 × 14.46 × 2.11 × 0.075 = 2.288 "
1 × 10.79 × 2.02 × 0.075 = 1.635 "
1 × 7.21 × 2.24 × 0.075 = 1.211 "
1 × 10.14 × 3.19 × 0.075 = 2.426 "
1 × 7.33 × 3.19 × 0.075 = 1.754 "
1 × 16.22 × 2.24 × 0.075 = 2.725 "
1 × 14.65 × 3.10 × 0.075 = 3.406 "
1 × 7.57 × 1.34 × 0.075 = 0.761 "
1 × 7.33 × 2.74 × 0.075 = 1.506 "
1 × 10.96 × 2.74 × 0.075 = 2.252 "
1 × 9.04 × 1.79 × 0.075 = 1.214 "
1 × 7.33 × 2.92 × 0.075 = 1.605 "
1 × 14.65 × 2.83 × 0.075 = 3.109 "
1 × 11.97 × 2.92 × 0.075 = 2.621 "
1 × 18.15 × 2.02 × 0.075 = 2.750 "
1 × 14.00 × 3.10 × 0.075 = 3.255 "
1 × 6.87 × 2.24 × 0.075 = 1.154 "
1 × 18.36 × 3.19 × 0.075 = 4.393 "
1 × 18.36 × 2.24 × 0.075 = 3.084 "
1 × 9.12 × 2.92 × 0.075 = 1.997 "

58.801 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					58.80 m3

~~1×14.93×3.37×0.075=3.774~~ m3
1×14.65×1.79×0.075=1.967 "
1×25.56×2.11×0.075=4.045 "
1×19.22×2.02×0.075=2.912 "
1×14.65×2.24×0.075=2.461 "
1×10.14×3.19×0.075=2.426 "
1×13.72×3.19×0.075=3.283 "
1×10.36×2.24×0.075=1.740 "
1×21.32×3.10×0.075=4.957 "
1×19.46×1.34×0.075=1.956 "
1×4.62×2.74×0.075=0.949 "
1×10.36×2.69×0.075=2.090 "
1×14.93×2.69×0.075=3.012 "
1×12.36×3.37×0.075=3.124 m3
1×19.20×3.20×0.075=4.600 "

Total of measurement 102.097 m3
Say 102.1 m3

4(b)
Inc.C. Portion at P.CC. Portion [illegible]
[illegible]

1×30.84×1.950×0.075=4.51 m3
1×16.00×1.290×0.075=1.548 "
1×42.29×1.550×0.075=4.928 "
1×15.50×1.690×0.075=1.965 "
1×22.00×1.400×0.075=2.310 "
1×18.00×1.650×0.075=2.227 "
1×29.25×1.35×0.075=2.962

Limited as per Agmt 20.45
Continuation [illegible] 12.95 m3

JE 08/11/22
JE [illegible]

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Provid. Cement Concrete Parapet M.30					
6 x 30m x 3.75(m) x 0.160 = 108.00					
1 x 20m x 3.75 x 0.160 =					12.00 M3
6 x 30 m x 3.75(m) x 0.160 =					108.00 "
1 x 20m x 3.75 x 160 =					12.00 "
					240.00 M3
(6) Construction of Earthen Shoulder					
2 x 15m x 0.700(m) x 0.300(m) =					6.30 m3
2 x 15 nos x 30m x 0.700 x 0.300 =					189.00 "
2 x 18 x 30m x 0.700 x 0.300 =					226.80 "
2 x 10m x 0.700 x 0.300 =					4.20 "
2 x 15 M x 30m x 0.700 x 0.300 =					189.00 "
2 x 18m x 30m x 0.700 x 0.300 =					226.80 "
2 x 10m x 0.700 x 0.300 =					4.20 "
2 x 15 nos x 30m x 0.700 x 0.300 =					189.00 "
2 x 18 nos x 30m x 0.700 x 0.300 =					226.80 "
2 x 10m x 0.700 x 0.300 =					4.20 "
					1266.30 M3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Providing and applying Primer Coat SS-1 vide item no (5) part do vide item no (5) and WBM/GSB surface					
	102.10m / 0.075				= 1361.33 M²
(8) Providing and applying Tack Coat with bitumen Emulsion (RS-1) do vide item no (6)					= 1361.33 m²
Add for PCC area					15.00 M²
					1376.33 M²
(9) Providing, laying and Rolling close graded premix with ... (M.S.S.) do Patch work vide item no (7)					1376.33 M²

26/11/22

JE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(10) Providing and applying tack coat (RS-1) ...					
1 × 15 m × 3.75 m = 56.25 m2					
1 × 33 Nos × 30 m × 3.75 = 3712.50 m2					
1 × 10 m × 3.75 = 37.50 m2					
III 1 × 33 Nos × 30 m × 3.75 = 3712.50 m2					
IIIrd km 1 × 10 m × 3.75 = 37.50 m2					
IVth km 1 × 20 Nos × 30 m × 3.75 = 2250.00 m2					
					9806.25 m2
(11) Providing and laying bitumen macadam 25 mm thick SD for vide item No. (9)					
Area 9806.25 m2 × 0.025					= 245.156 m3

[signatures] 30/11/22 JE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Providing fixing Reinforced R.C.C. Post do — do Qty = 04 Nos					
(13) Providing fixing RCC M15 200mm Post do — do Qty = 12 Nos					
(14) Providing fixing direction Identification Caution Sign Board do — do 2 × 1.20 × 0.80 = 1.92 m2					
(15) Providing and fixing of retro reflective Cautionary Mandatory and informatory Sign Board do — do Qty = 08 Nos					
(16) Providing 600mm Circular Qty = 04 Nos					
(17) Providing 600mm × 450mm Rectangular Qty = 04 Nos					
(18) Providing fixing Boundary Pillar do Qty = 36 Nos					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19) Printing new letters and figures of do					
Qty = 264 Nos					
(20) Planting of trees and their maintenance do do					
Qty = 256 Nos					
(21) Providing and laying of hot applied thermoplastic compound do do					
2 x 3015m x 0.10 = 603.00 M2					
(22) Providing and fixing typical NMGSY Information signboard with logo and maintenance board do do					
Qty = 02 Nos					
(23) Providing M/W (1:3) in parapet do					
2 x 6.00 x 0.400 x 0.600 = 2.88 m2					
for 3 Nos = 8.64 m2					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24) Plastering with cement mortar (1:4)					
do			do		
4.00 × 6.00 × 0.600 =					14.40 m2
2.00 × 6.00 × 0.400 =					4.80 "
4.00 × 0.400 × 0.600 =					0.960 m2
					20.16 m2
for 3 Nos × 3 =					60.48 m2
(25) Providing painting of two coats incl. primer coat					
do			do		
4.00 × 4.00 × 0.600 =					9.600 m2
2.00 × 4.00 × 6.000 =					48.00 "
4.00 × 0.400 × 0.600 =					0.960 "
					58.56 m2
for 3 Nos × 58.56 m2 =					175.68 m2

[signature] 06/12/22

Continuation

1st and final Bill

Construction work only

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area

Abstract of cost

1. Clearing and grubbing vide para (1) = 0.603 He @ Rs 57,007=10/Hec — Rs 34,375=00
2. Construction of sub grade vide para (6) = 1266.63 M3 @ Rs 244=02/M3 — Rs 3,09,083=00
3. Providing granular sub base grade II vide para No (2) = 68.394 M3 @ Rs 2554=05/M3 — Rs 1,74,682=
4. Providing laying & spreading compacting WBM (II) vide para No (3) Qty = 65.00 M3 @ Rs 4681=69/M3 — Rs 3,04,310=00
5. Providing laying & spreading compacting W.B.M (III) vide para (4) Qty = 102.10 M3 @ Rs 4236=94/M3 — Rs 4,32,592=
6. Providing and applying primer coat (SS1) vide para No (7) Qty = 1361.30 M2 @ Rs 51=52/M2 — Rs 70,136=00

Continuation Rs 13,25,178=

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Providing and applying Tack coat of (RS1) as per (7) = 1376.33 m2 @ Rs 17=42/m2					Rs 23,976=00
(8) Providing & laying Road C.M.S.C. 20mm thick as per item (7) Qty = 1376.33 m2 @ Rs 248=34/m2					Rs 3,41,798=
(9) Providing and applying Tack coat (RS1) B.T. surface and cc road as per (8) = 9806.25 m2 @ Rs 14=34/m2					Rs 1,40,622=00
(10) Providing and laying S.D.B.C. 25mm thick as per No (8) Qty = 245.15 m3 @ Rs 12,986=21/m3					Rs 31,83,157=
(11) Providing and laying warm (?) and c.c. pate as per No (5) Qty = 12.95 m3 @ Rs 4236=94/m3					Rs 54,868=00
					Rs 50,69,599=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) 12 Provide and [illegible] Faucet No. 30 [illegible] wall [illegible] No. 6					
Qty = 240.00 Nos @ Rs 7686=07/ Nos					Rs 18,44,657=00
(13) 13 Provide and fixing K. [illegible]					
Qty = 04 Nos @ Rs 2568=10/					Rs 10,272=00
(14) 14 Provide [illegible] 200 mm PET [illegible]					
Qty = 12 Nos @ Rs 718=68/					Rs 8,624=00
(15) 15 Provide and [illegible] direction and place identification [illegible]					
Qty = 1.92 M2 @ Rs 13,130=38					Rs 25,210=00
(16) 16 Provide and fixing Traffic [illegible]					
Qty = 08 Nos @ Rs 3806=51/					Rs 30,452=00
(17) 17 600 mm circular Qty = 04 Nos @ Rs 3848=00/					Rs 15,392=00
(18) 18 600 mm x 450 mm rectangular Qty = 4 Nos @ Rs 3719=82/					Rs 14,879=00

Continuation

Rs 70,19,085=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
19					
20					
21					
22					
23					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(24) Providing A/W (1:4) in Lane of [illegible]					
[illegible] as per MB (10) Qty = 8.64 m²					
@ ₹ 5,644 = 25 / m²					₹ 48,766=00
(25) Plastering (1:4) on [illegible] wall					
[illegible] as per MB (10) = 60.48 m²					
@ ₹ 162=79 / m²					₹ 9846=00
(26) Painting [illegible]					
[illegible] as per (11) Qty = 175.68 m²					
@ 107=69					₹ 18,908=
					₹ 78,76,061=
Less as per agreement 1.01% [illegible]					₹ (-) 79,548=00
					₹ 77,96,513=00
Add 1% Labour Cess					₹ (+) 77,965=00
12% GST. on					₹ (+) 935582=00
Add Seigniorage fee					₹ (+) 26,847=00
					₹ 88,36,907=00

Work has been completed as per specification and directed of EE.

[illegible signature] JE / [illegible] 06/03/2017 [illegible signature] 06/[illegible] A.E.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Materials Statement					
E/W = 1266.69 M³					
GSB II = 68.394 M³ — Stone aggregate = 61.23 M³					
— Coarse sand = 26.26 M³					
WBM Gr II = 65.00 M³ — Stone aggregates = 78.85 M³					
Stone screening dust materials = 19.05 M³					
WBM Gr III = 115.05 M³ — Stone aggregate = 139.56 M³					
Stone screening dust materials = 27.61 M³					
Stone chips PL SC = 37.16 M³					
SDBC " = 350.5 M³					
PCC = 216.00 M³					
Coarse sand = 108 M³ in PCC					
Cement = 74.4 M.T or 1488 bag					
Emulsion SS1 = 1157 kg					
Emulsion RS1 = 2516 kg					
Bitumen = 29.582 M.T.					
JE 6/12/22					
					06/12/22
					C&P 27/12/22

Continuation