376/20-21 L025-L024 से टिकुलिया इनरवामार
(VP-22)

MR New Maintenance Policy

Schedule XLV-Form No. 134

Vinay Kumar

अररिया DIVISION

पलासी SUB-DIVISION

Measurement Book

श्री हरेन्द्र साह, सहायक अभियंता

1st on HC

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Name of Work– L024, L025 to Tikuliya
Situation of Work– Enerbhar
Agency by which work is executed– Binay Kumar
Date of Measurement–
No. and date of agreement Agreement No - 15 CTBD/ 2020-21
(These four lines should be repeated at the commencement of the measurement relating to each work)
Date of start 26/06/2020
Date of completion 19/12/2021

Particulars	No.	L.	B.	D.	Contents of area
(1) clearing & Grubbing of Road land —					
	2 x	10 x	10 x 15.0m	+ 0.5m	= 15000
				=	0.15 h
(2) cons of Subgrade & earthen shoulder —					
B.T Portion .	2 x	10 x	10 x 11.5m	+ 0.5m	+ 0.3m
	2 x	10 x	35.4 + 0.5m	+ 0.2	= 345.0
	2 x 5 x		0.50m	+ 0.30	= 1.50
				Total	= 416.50
				Limit	415.00
(3) Providing G.S.B. grading II "A"					
Details of Pots measurement from 0.0m to 1500m					
	5 x	8.0 x	0.750 x	0.150 =	4.20
	4 x	0.200 x	0.400 x	0.125 =	0.20
	6 x	1.300 x	0.600 x	0.150 =	0.70
	4 x	2.500 x	0.500 x	0.125 =	0.70
	7 x	1.900 x	1.000 x	0.150 =	2.00
	4 x	1.600 x	0.300 x	0.125 =	0.34
	6 x	1.700 x	0.600 x	0.150 =	0.92
	5 x	1.400 x	1.000 x	0.125 =	1.23
	8 x	1.500 x	0.800 x	0.125 =	1.68
	7 x	1.350 x	0.700 x	0.150 =	0.99
		Continuation			
	6 x	1.200 x	0.800 x	0.125 =	1.01
	5 x	1.500 x	1.000 x	0.150 =	1.13
	9 x	2.200 x	0.900 x	0.125 =	2.22
	4 x	2.200 x	0.900 x	0.150 =	1.19

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	9 x	1.600	x 1.200	x 0.125	= 2.69
	5 x	1.300	x 1.100	x 0.125	= 1.25
	6 x	1.800	x 0.600	x 0.150	= 0.97
	5 x	1.700	x 1.500	x 0.125	= 1.49
	4 x	1.500	x 0.500	x 0.150	= 0.45
	2 x	1.600	x 0.800	x 0.125	= ~~[illegible]~~
	6 x	1.200	x 1.100	x 0.150	= 1.68
	5 x	1.800	x 1.100	x 0.125	= 1.58
	4 x	1.900	x 0.600	x 0.150	= 0.68
	6 x	2.000	x 1.000	x 0.125	= 2.10
	3 x	1.300	x 0.500	x 0.125	= 0.34
	8 x	2.000	x 0.920	x 0.150	= 2.21
	6 x	1.900	x 0.900	x 0.125	= 1.80
	6 x	1.300	x 1.300	x 0.125	= 1.27
	4 x	0.700	x 0.400	x 0.125	= 0.20
				Total	= 38.70
			Unit	[illegible]	8.50
(4) Providing [illegible]					
Details of pots from 0 m to 1500 m					
	5 x	8.100	x 0.800	x 0.025	= 2.43
	4 x	0.800	x 0.500	x 0.025	= 0.12
	6 x	1.400	x 0.700	x 0.025	= 0.44
	4 x	2.100	x 0.600	x 0.025	= 0.38
	7 x	2.000	x 1.100	x 0.025	= 1.16
	4 x	1.700	x 0.400	x 0.025	= 0.20
	Continuation				
	6 x	1.800	x 0.700	x 0.025	= 0.57
	5 x	1.500	x 1.100	x 0.025	= 0.62
	8 x	1.600	x 0.900	x 0.025	= 0.86

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	7	1.450	0.800	0.025	0.812
	6	1.300	0.900	0.025	= 0.53
	5	1.600	1.100	0.025	= 0.66
	8	2.300	1.200	0.025	= 1.38
	4	2.300	1.000	0.025	= 0.69
	8	1.700	1.300	0.025	= 1.33
	5	1.400	1.200	0.025	= 0.63
	2	1.400	1.200	0.025	= 0.25
	3	1.300	1.100	0.025	= 0.32
	2	2.000	1.100	0.025	= 0.33
	5	1.400	0.800	0.025	= 0.42
	6	1.300	1.100	0.025	= 0.64
	4	2.500	1.100	0.025	= 0.55
	3	1.400	0.600	0.025	= 0.19
	6	1.900	0.700	0.025	= 0.60
	5	1.800	1.100	0.025	= 0.74
	4	1.600	0.600	0.025	= 0.29
	2	1.700	0.900	0.025	= 0.23
	6	1.800	1.200	0.025	= 0.97
	5	1.900	1.100	0.025	= 0.78
	4	2.000	0.210	0.025	= 0.42
	6	2.100	1.100	0.025	= 1.04
	3	1.400	0.600	0.025	= 0.19
	8	2.100	1.020	0.025	= 1.29
	6	2.000	1.000	0.025	= 0.90
	6	1.400	1.400	0.025	= 0.88
		Continuation			
	8	1.400	0.900	0.025	= 0.26
	5	1.300	1.100	0.025	= 0.54
	3	2.000	1.100	0.025	= 0.30
	4	1.400	0.800	0.025	= 0.34
Carry=26.0260	1	5.000	2.000	0.025	= 0.25

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. Total		28.629
			Limit		25.870
(5) Providing S/M/G-III					Tell
Details of parts for 0.025 to 25.870					
	5×	8.150 ×	0.850 ×	0.025	= 2.60
	4×	0.850 ×	0.550 ×	0.025	= 0.14
	6×	1.450 ×	0.250 ×	0.025	= 0.49
	4×	2.150 ×	0.650 ×	0.025	= 0.42
	7×	2.050 ×	1.150 ×	0.025	= 1.24
	4×	1.250 ×	0.450 ×	0.025	= 0.24
	6×	1.850 ×	0.250 ×	0.025	= 0.62
	5×	1.550 ×	1.150 ×	0.025	= 0.67
	8×	1.650 ×	0.950 ×	0.025	= 0.94
	7×	1.500 ×	0.850 ×	0.025	= 0.67
	6×	1.350 ×	0.950 ×	0.025	= 0.58
	5×	1.650 ×	1.150 ×	0.025	= 0.21
	8×	2.350 ×	1.050 ×	0.025	= 1.48
	4×	2.350 ×	1.050 ×	0.025	= 0.74
	8×	1.250 ×	1.350 ×	0.025	= 1.42
	5×	1.450 ×	1.250 ×	0.025	= 0.68
	2×	1.450 ×	1.250 ×	0.025	= 0.27
	3×	1.350 ×	1.150 ×	0.025	= 0.35
	2×	2.050 ×	1.150 ×	0.025	= 0.35
	5×	1.450 ×	0.850 ×	0.025	= 0.46
	6×	1.350 ×	1.150 ×	0.025	= 0.20
	4×	2.050 ×	1.150 ×	0.025	= 0.21

Continuation

	3×	1.450 ×	0.650 ×	0.025	= 0.21
	12×	2.050 ×	0.600 ×	0.025	= 1.08
	16×	1.200 ×	1.100 ×	0.025	= 2.24
	15×	1.900 ×	0.250 ×	0.025	= 1.60

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	17	2.350	0.450	0.025	= 2.55
	16	2.250	1.250	0.025	= 3.38
	18	1.900	1.150	0.025	= 2.95
	17	1.850	1.050	0.025	= 2.41
	15	2.050	0.950	0.025	= 2.26
	16	2.100	0.400	0.025	= 1.01
	17	1.900	1.200	0.025	= 2.91
	16	2.000	0.700	0.025	= 1.68
	15	1.700	1.300	0.025	= 2.49
	12	1.400	0.900	0.025	= 0.76
	6	1.950	0.250	0.025	= 0.66
	5	1.850	1.150	0.025	= 0.88
	4	1.650	0.950	0.025	= 0.32
	2	1.750	0.850	0.025	= 0.25
	6	1.850	1.250	0.025	= 1.04 0.25
	5	1.950	1.150	0.025	= 1.04 0.54
	4	2.050	0.250	0.025	= 0.84 0.46
	6	1.850	1.250	0.025	= 1.04
	6	2.150	1.050	0.025	= 1.11
	3	1.450	0.950	0.025	= 0.21
	8	2.150	1.050	0.025	= 1.38
	6	2.050	1.050	0.025	= 0.97
	6	1.450	1.450	0.025	= 0.95
	8	1.450	0.850	0.025	= 0.83
	5	1.350	1.150	0.025	= 0.58
		Continuation			
	3	2.050	1.150	0.025	= 0.53
	4	1.450	0.650	0.025	= 0.37
					56.32
					= 55.28

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Prime coat					
Area of similar for item 5					
7155.28m³ / 0.025m					= 737.46m²
Curve 1 x 2.50 x 5.00m					= 12.50m²
					749.96m²
				Wait	744.44m²
(7) Patch work over W.B.M.					
Using MIX seal					
Area same as item 6					= 744.44m²
For existing P.C.C. portion					
	1 x 10 x	35.0m x	3.75m		= 1312.50m²
Repair of P.C.C. portion					
	10 x	8 x 1.0m			= 80.00
				Total =	2136.94
				Wait	2136.34
(8) Tack coat					
For B.T portion x 38m x 30m x 3.75m					= 4275.00
CC portion 10 x 35.0m x 3.75					= 1312.50
For MSS on both on existing					
P.C.C. 10 x 35.0m x 3.75m					= 1312.50
For MSS on B.T portion					
Area same as item (6)					= 744.44
Curve x 15m x 5.50+6.0/2					= 86.25
Curve 1 x 13.50 x 6.60					= 89.10
				Total Area =	7819.29

Continuation Wait 7817.59

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Semi Dense Bituminous Concrete					
B.T part	10 x 1	1.50m x	3.25 (av)	x 0.025 (av)	= 107.86
CC parts	10 x 3	5.0 x	3.25 (av)	x 0.025 (av)	= 32.81
Any	14	3.50 + 6.15 (av)	x	0.025 (av)	= 0.571
	14	15.0 x 5.50 + 6.4 / 2		x 0.025	= 2.156
				Total	= 143.34
				Unit	142.030
(10) Kilometre stone					
(i) ordinary KM =					3 Nos
(ii) 200m stone –					6 Nos
(11) Direction of place identification sign	4 x 1.20m x 0.8m				= 3.84
(12) Retro reflective Traffic sign					
(i) 600mm equilateral triangle					– 8 Nos
(ii) 600mm Circular –					2 Nos
(iii) 600mm x 450mm –					4 Nos
(13) Road Marking with Hot Applied thermoplastic paint.					
	2 x 10 x	10 x 15.0m	x 0.10m		= 300.0
(14) Maintenance Project Sign Board –					5 Nos
(15) (i) Supplying & placing					

Continuation

Burned HD = 2 x 7.50 = 15.0

(15)(ii) Plantation of tree – 38 Nos

(iii) Half brick Circular – 38 Nos

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Plastering with					
CM (1:4) of existing culvert					
side face	4	+ 6.0m	+ 0.6m =		14.4m²
Tch –	2	+ 6m	+ 0.4m =		4.8m²
Front face	1	+ 4m	+ 0.4m	+ 0.60 =	0.96m²
					20.16m²
for	6 Nos	× 6	+ 20.16		
				=	120.96m²
(17) painting two coats on new concrete surface					
Area same as item 16 =					120.96m²
			26/11/20 AE		26/11/20 JE

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