Name of Work - L035-L029A TO Palari (VR21) in M/R 3034 in New Maintenance POLICY

Schedule XLV-Form No. 134

Beharsharif DIVISION

अवर प्रमण्डल बिहारशरीफ SUB-DIVISION

Measurement Book

3178

Pippu Jee

प्रमाणित किया जाता है कि इस मापि पुस्तिका में मशीन से छपे कुल-100 (एक सौ) पृष्ठ अंकित है। ये श्री.....शिव नाथ राम.....
सहायक अभियन्ता, ग्रामीण कार्य विभाग, कार्य आवंटन प्रमण्डल.....बिहारशरीफ.....के नाम से निर्गत किया जाता है।

6/11/23

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग, कार्य प्रमंडल
बिहार शरीफ (नालन्दा)
शाम दुबे
06-11-23

Sch. XLV-Form No. 134

_____ DIVISION

बिहारशरीफ SUB-DIVISION

Measurement Book

No. 3178

Name of Officer श्री शिव नाथ राम
सहायक अभियन्ता अंचल प्रमण्डल
Date of first entry बिहारशरीफ
Date of last entry _____

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
	ISP on Final Bill				
Name of work - L035 - L020 A-TO					
	Palani (WK-21) in MR3034				
	in New maintenance policy				
	in Biharsharif Block				
Agency - Deepak Kumar					
Agreement No - MBD-02/2024 · 25					
Date of Agreement - 9/7/24					
Date of completion - 4/6/25					
Rate - 0.04% Below of BOQ					
(1)	clearing grubbing & road land including removing with wild vegetation in all complete as per Technical specification				
	2x	30.0 x 30.0m x		1.0m =	1800.0m2
	2x	3x30.0m x		1.0m	= 180.0m2
	2x	1x10.0m x		1.0m:	20.0m2
				Total	2000.0m2
				or	0.20 Hectr
				Sd/- 29/10/24 AE	

Continuation

Sch. XLV_Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) providing granular sub-base with coarse graded material spreading in even layers in one compact as per Technical specification as per E/S pot Measurement.					
	3x	1.80x	0.240x	0.175 =	0.19M³
	4x	2.0x	0.500x	0.150 =	0.60M³
	2x	1.70x	0.840x	0.175 =	0.48M³
	3x	1.80x	0.610x	0.150 =	0.49M³
	5x	2.50x	0.520x	0.175 =	1.09M³
	1x	2.30x	0.810x	0.150 =	0.28M³
	3x	2.10x	0.720x	0.150 =	0.6
	5x	1.80x	0.500x	0.175 =	0.79M³
	4x	1.650x	0.610x	0.150 =	0.59M³
	6x	1.50x	0.500x	0.175 =	0.79M³
	5x	2.0x	0.960x	0.175 =	1.57M³
	3x	1.70x	0.840x	0.175 =	0.71M³
	6x	2.10x	0.860x	0.175 =	1.76M³
	5x	2.20x	0.720x	0.150 =	1.16M³
	4x	2.30x	0.880x	0.175 =	1.29M³
	5x	1.50x	0.960x	0.175 =	1.18M³
	4x	2.40x	1.20x	0.150 =	1.73M³
	3x	1.80x	1.10x	0.175 =	1.04M³
	5x	1.50x	1.30x	0.175 =	1.71M³
	6x	1.90x	1.50x	0.175 =	2.99M³
	5x	2.10x	0.460x	0.150 =	0.63M³
	2x	2.20x	0.960x	0.175 =	0.69M³
	3x	1.50x	0.600x	0.175 =	0.47M³
	6x	2.20x	0.900x	0.150 =	1.78M³

Continuation

Co Total : 24.62M³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F:	24.67M³
	7×	1.90×	0.80×	0.175 =	1.86M³
	6×	1.60×	0.70×	0.150 =	1.01M³
	8×	1.70×	0.900×	0.150	1.84M³
	4×	1.40×	0.800×	0.175 =	0.78M³
	8×	1.80×	0.600×	0.175 =	1.51M³
	9×	1.90×	0.800×	0.150 =	2.05M³
	7×	1.60×	0.600×	0.175 =	1.18M³
	6×	1.70×	0.600×	0.150 =	0.92M³
	8×	1.40×	0.520×	0.175 =	0.98M³
	5×	1.10×	0.800×	0.150 =	0.66M³
	4×	1.50×	0.700×	0.150	0.63M³
	8×	1.70×	0.900×	0.175	2.14M³
	9×	1.650×	0.800×	0.150 =	1.78M³
	7×	1.50×	0.900×	0.175 =	1.65M³
	6×	1.80×	0.700×	0.150 =	1.13M³
	9×	2.50×	0.500×	0.175 =	1.97M³
	8×	2.50 ×	0.600×	0.150 =	1.80M³
	7×	1.90×	0.960×	0.175 =	2.09M³
	6×	1.60×	1.20×	0.175 =	2.016M³
				Total =	52.66M³
				Excep	
				01/11/24	
				AE	
(3)	providing CC Blk stone				
	Metal on II-layers				
	& spreading and compacting				
	stone Aggregates (cc)				

Continuation

Sch. XLV_Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	specific size with hand packing Rollis ASM technical specification AS 2 (1) not yet examined				
	3x	2.0Mx	0.40x	0.075	0.18M³
	4x	2.20x	0.70x	0.075	0.46M³
	2x	1.90x	1.0x	0.075	0.29M³
	3x	2.0x	0.80x	0.075	0.36M³
	5x	2.70x	0.700x	0.075	~~0.15M³~~ ~~0.27M³~~ 0.21
	1x	2.50x	1.0x	0.075	~~0.19M³~~ 0.19M³
	3x	2.30x	0.90x	0.075	0.47M³
	5x	2.0x	0.700x	0.075	0.53M³
	4x	1.85x	0.80x	0.075	0.44M³
	6x	1.70x	0.700x	0.075	0.54M³
	5x	2.20x	1.10x	0.075	0.91M³
	3x	1.90x	1.0x	0.075	0.43M³
	6x	2.30x	1.0x	0.075	~~1.03M³~~ 1.03
	5x	2.40x	0.90x	0.075	~~1.04M³~~ 0.81
	4x	2.50x	1.0x	0.075	0.75M³
	5x	1.60x	1.10x	0.075	0.66M³
	4x	2.50x	1.40x	0.075	1.05M³
	3x	1.90x	1.37x	0.075	0.36M³
	5x	1.60x	1.50x	0.075	0.90M³
	6x	2.0x	1.70x	0.075	1.53M³
	5x	2.20x	0.60x	0.075	0.50M³
	2x	2.30x	1.10x	0.075	0.38M³
	3x	1.60x	0.80x	0.075	0.29M³
	6x	2.30x	1.10x	0.075	1.14M³
	7x	2.0x	1.0x	0.075	1.05M³
	6x	1.20x	0.90x	0.075	0.69M³
	8x	1.80x	1.10x	0.075	1.19M³
	4x	1.50x	1.0x	0.075	0.45M³

Continuation

CO TOTAL 18.49M³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	18.49M³
	8x	1.90x	0.720x	0.07½ =	0.80M³
	9x	2.0x	0.960x	0.07½ =	1.22M³
	7x	1.70x	0.720x	0.07½ =	0.62M³
	6x	1.80x	0.700x	0.07½ =	0.57M³
	8x	1.50x	0.600x	0.07½ =	0.54M³
	5x	1.20x	0.960x	0.07½ =	0.41M³
	4x	1.60x	0.840x	0.07½ =	0.38M³
	8x	1.80x	1.0x	0.07½ =	1.08M³
	9x	1.75x	0.960x	0.07½ =	1.06M³
	7x	1.60x	1.0x	0.07½ =	0.84M³
	6x	1.90x	0.840x	0.07½ =	0.68M³
	9x	2.60x	0.600x	0.07½ =	1.05M³
	8x	2.60x	0.720x	0.07½ =	1.09M³
	7x	2.0x	1.0x	0.07½ =	1.05M³
	6x	1.70x	1.30x	0.07½ =	0.99M³
	5x	1.90x	0.840x	0.07½ =	0.53M³
	4x	2.60x	1.0x	0.07½ =	0.78M³
	3x	2.60x	0.960x	0.07½ =	0.53M³
	5x	2.30x	1.0x	0.07½ =	0.86M³
	2x	1.90x	0.960x	0.07½ =	0.26M³
				Total =	33.84M³
			Sd/- 2/11/24 AE		
(4)	providing WBM stone metal mix laying & spreading and compacting stone Aggregates in carriageway complete as				

Sch. XLV_Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	ASP Technical specialist				
	DOT Headchainage				
	3 ×	2.050 ×	0.450 ×	0.075	= 0.21 m³
	4 ×	2.250 ×	0.750 ×	0.075	= 0.51 m³
	2 ×	1.950 ×	1.050 ×	0.075	= 0.31 m³
	3 ×	2.050 ×	0.850 ×	0.075	= 0.39 m³
	5 ×	2.750 ×	0.750 ×	0.075	= 0.77 m³
	1 ×	2.550 ×	1.050 ×	0.075	= 0.20 m³
	3 ×	2.350 ×	0.950 ×	0.075	= 0.50 m³
	5 ×	2.050 ×	0.750 ×	0.075	= 0.58 m³
	4 ×	1.900 ×	0.850 ×	0.075	= 0.48 m³
	6 ×	1.750 ×	0.750 ×	0.075	= 0.59 m³
	8 ×	2.150 ×	1.500 ×	0.075	= 1.94 m³
	6 ×	2.900 ×	1.600 ×	0.075	= 2.09 m³
	5 ×	2.450 ×	1.200 ×	0.075	= 1.65 m²
	7 ×	2.150 ×	1.900 ×	0.075	= 2.14 m³
	5 ×	2.250 ×	1.150 ×	0.075	= 0.97 m³
	3 ×	1.950 ×	1.050 ×	0.075	= 0.46 m³
	6 ×	2.350 ×	1.050 ×	0.075	= 1.11 m³
	5 ×	2.450 ×	0.950 ×	0.075	= 0.87 m³
	9 ×	2.100 ×	1.500 ×	0.075	= 2.13 m³
	7 ×	1.900 ×	1.600 ×	0.075	= 1.60 m³
	5 ×	2.450 ×	1.200 ×	0.075	= 1.10 m³
	8 ×	2.150 ×	1.600 ×	0.075	= 2.06 m³
	4 ×	2.550 ×	1.050 ×	0.075	= 0.80 m³
	5 ×	1.650 ×	1.150 ×	0.075	= 0.71 m³
	4 ×	2.550 ×	1.450 ×	0.075	= 1.11 m³
	3 ×	1.950 ×	1.350 ×	0.075	= 0.59 m³
	5 ×	1.650 ×	1.550 ×	0.075	= 0.96 m³
	6 ×	2.050 ×	1.750 ×	0.075	= 1.61 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5	2.250	0.650	0.075	= 0.55 m³
	2	2.350	1.150	0.075	= 0.41 m³
	3	1.650	0.850	0.075	= 0.32 m³
	6	2.350	1.150	0.075	= 1.22 m³
	7	2.050	1.050	0.075	= 1.13 m³
	6	1.750	0.950	0.075	= 0.75 m³
	8	1.850	1.150	0.075	= 1.28 m³
	4	1.550	1.050	0.075	= 0.49 m³
	8	1.950	0.750	0.075	= 0.88 m³
	9	2.050	0.950	0.075	= 1.31 m³
	7	1.750	0.750	0.075	= 0.69 m³
	6	1.850	0.750	0.075	= 0.62 m³
	8	1.550	0.650	0.075	= 0.60 m³
	7	2.500	1.600	0.075	= 2.10 m³
	8	2.100	1.500	0.075	= 1.89 m³
	9	2.600	1.400	0.075	= 2.46 m³
	8	2.500	1.600	0.075	= 2.40 m³
	5	1.250	0.950	0.075	= 0.45 m³
	4	1.650	0.850	0.075	= 0.42 m³
	8	1.850	1.050	0.075	= 1.17 m³
	9	1.800	0.950	0.075	= 1.15 m³
	7	1.650	1.050	0.075	= 0.91 m³
	6	1.950	0.850	0.075	= 0.75 m³
	9	2.650	0.650	0.075	= 1.16 m³
	8	2.650	0.750	0.075	= 1.19 m³
	7	2.050	1.050	0.075	= 1.13 m³
	6	1.750	1.350	0.075	= 1.06 m³

Continuation Total = 56.93 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(5)	Providing and applying Prime Coat with Bitumen emulsion (SS-1)				
	--- do ---		do	--- do	
	Same as Item No-(4)				
	quantity wide			56.93	= 759.06
				0.075	
					= 759.06 m²
(6)	Providing and applying Tack Coat with bitumen emulsion using emulsion Pressure				
	1x	10.0m x	10.0+7.0+6.0+4.3m	5	= 70.60 m²
	1x	30.0m x	4.30+3.75	2	= 120.75 m²
	5x	30.0m x	3.75		= 562.50 m²
	~~6x 30.0m~~				
	1x	30.0m x	3.75+4.30+3.75	3	= 118.0 m²
	6x	30.0m x	3.75		= 675.0 m²
	5x	30.0x	3.75		= 562.5 m²
	1x	25.0 x	3.75+4.30+3.75	3	= 97.50 m²
	6x	30.0m x	3.75		= 675.0 m²
	1x	~~25.0m~~ 30.0m x	3.75+4.30+3.75	3	= 95.30 m²
	4x	30.0 x	3.75		= 450.0 m²
	3x	30.0 x	3.75		= 337.50 m²
	1x	10.0m x	3.75		= 37.50 m²
				Total:	3805.15 m²
				Grand:	3787.50 m²

Continuation Sd/-
5/11/24

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7)	Proving and laying semi dense Bituminous Concrete with 100-120 TPH batch type HMP Producing an average output of 75 as per Technical Specification as per el				
	aera same item (6)				3787.50×0.025
	=			=	94.67 m³
(8)	Reinforced cement concrete M15 Gr. grade Kilometre local stone of standard design as per technical Specification				
(1)	Km stone = 02 NO				
(11)	200m stone = 04 No				
(9)/12 / 12	Road marking with hot applied Thermoplastic Compound with Reflectorising glass Beads as per technical specification				
	2 X	33 NO X	30m X	0.100 =	198.00m²
	2 X	1 NO X	10.0m X	0.100 =	2.00m²
				Total	200.00m²
(10) / 13	Providing and fixing of typical MR Informatory Sign board with Logo as per MORD specification as per drawing technical specification.				
	quantity				0.5 No
(11) / 10	Proving and fixing of retro-reflectorised cautionary mandatory & Informatory Sign as per technical specification				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(i)	600 mm equilateral triangle				07 NO
(ii)	600m circular				02 NO
(iii)	600 mm x 450 mm rectangle				02 NO
(12) / 11	Planting of trees by the road side in 0.60 m dia holes 1m deep duly in the ground				
			Quantity =		95 NOs
(13) / 2	construction of Subgrade and earthen shoulder with approved material obtained from borrow pits with all lift and leads.				
	2 X 23 X 30.0 m X 1.0 m X 0.300				10.280 / 2
				=	574.2
	2 X 1 X 10 X 1 X 0.300			=	6.0 m³
				Total	580.2 m³
			Recd 10/11/24 AE		

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				
	wide THB P — (1) do — (1)				
quantity = 0.20 He @ 76926.08/- = 15385.22/-					
(2) 3	Providing gritty moorum sub-base with local graded material spreading in several layers in all				
	complete As per Technical Specification				
	do do do - do				
	wide THB P — (2) do — (2)				
quantity = ~~24.07 m³~~ 52.06 m³ @ 1497 RS = 78560.63/-					
(3) 4	Providing WBM stone				
	metel II laying & spreading				
	and compacting stone				
	aggregate with hand Peaking				
	Rolling				
	do do do - do				
	wide THB P — (3) do — (3)				
quantity = 33.84 m³ @ 3152.42 = Rs 106678/-					
(4) 5	Providing WBM Stone metel				
	m II laying & spreading and				
	compacting stone aggregate in				
	all complete				
	do do do - do				
	wide THB P — (5) do — (4)				
quantity = 56.93 m³ @ 3192.07 RS = 181662/-					
				Total ~~78291.63~~	

Continuation Total Rs:- 382291/-

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F Rs — 382291/-		
(5) 6	Proving and applying Prime Coat with Bitumen emulsion (SS-1)				
	do — do — c/i				
	wide THB P — (3) ei — (5)				
quantity	759.06 m² @ 57.20				RS = 43418.80/-
(6) 7	Providing and applying tack coat with bitumen emulsion				
	do — do — c/i				
	wide THB P — (3) ei — (6)				
quantity	3787.50 m² @ 29.62				RS = 74310.75/-
(7) 8	Providing and laying Semi dense Bitumen concrete with 100-120 TPH batch type HMP				
	do — do — c/i				
	wide THB P — (9) ei — (7)				
quantity	94.67 m³ @ 12907.91				RS = 1223719/-
(8) 9	Reinforced cement concrete M 15 Grade				
	Kilometer local stone of standard design as per technical spec				
	do — do — c/i				
	wide THB P — (9) ei — (8)				
(i)	Km Stone 02 No @ 2766.16				Rs 553232
(ii)	200m stone 04 No. @ 796.57				Rs 3186.28
(9) 12	Road marking with hot applied thermoplastic compound with Reflectorising glass beads				
	do — do — c/i				
	wide THB P — (9) ei — (9/12)				
quantity	200.00 m² @ 886.50				Rs 177300.00/-

Continuation ~~Total = 1535~~

Total = 1917758/-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F		191758/-
(10/13)	Providing and fixing of typical MR Information Sign board				
	-do-		do	-ei	
	Wide THB P (9) ei (10/13)				
Quantity	05 No @ 11527.69 RS =				57638.45/-
(11/10)	Providing and fixing of metal reflective reflectorised sign				
	wide THB P (9) ei (11)				
quty (1)	60MM THICK 02 NO				
	@ 4411.86/each =				30889.00
(11) quty	60MM thick 02 NOS	4254.17 =			8508.20
(11)	60MM & 450MM Rectangle				
quty:	02 NOS 4109.64/ea =				8219.00
(12/11)	provides P/fixing of type				
	wide THB P (10) ei (12)				
quty:	95 NOS 1305.10/ea =				123984.50
(13/2)	providing, substrate &				
	equipment Supervision				
	wide THB P (10) ei (13)				
quty:	580.2 M^2				
	@ 264.51/ M^2 =				153468.60
				Total	2300455.00
(I) Add 1% Labour cess					23004.55
(II) GST @ 18%					414089.19
(III) Add Seigniorage fee @ 10% =					26600.00
					266800
				C.O Total	2764148.74

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
			B F	—	2764148=00
				BF	2764=00
less	0.04% below			—	1106=00
			Total	2763042=00	
			[illegible]		
			12/11/24		
			AE		

Continuation