Darbhanga, zila. Antargat Hanuman nagar
pakland Ke Hanumannagar Gram to ATI
Pichra Tola Ramji Ke Ghar Tak
(State scheme)

Schedule XLV-Form No. 134

Executive Engineer
R.W.D. Works Division
Darbhanga-1

DIVISION

Hanumannagar

SUB-DIVISION

M.B. No - 3563

MEASUREMENT BOOK

संवेदक - श्री रविश कुमार

1st on A/c Bill

1

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				Contents of area
	No.	L.	B.	D.	
Name of Work :- Const^{n} of road from					
Darbhanga Jila Antargat Hanuman					
Nagar Gram to Pti Pichhara					
Tola Ram ji ke Ghar Tak					
Agency - Sri Ritesh Kumar					
Vill- Dhai Nauvoli, Bhoi (Darbhanga)					
Rate - 10 % Below from D.O.C					
Date of start = 13-02-2020					
Date of completion - 12-02-2021					
(1/1) Setting out Pillars					
Qty - 0.480 km					
(2/2) Clearing and Grubbing					
road land					
			0.480 x 35.50 =		1680
			Ha =		0.168
(3/4) Const^{n} of subgrade and					
earthan shoulder with					
approved material					
Earthan shoulder (Sides of CC road					
	2	480	1.3	0.16	
Earthan shoulder Sides of GSB SWBM	2	480	1.40	0.125	
Less for Hard shouldering & Box cutting					=(-)60
			Continuation		374.88

20/10/2020
J.E

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
4/9	Providing and laying of a reinforced cement concrete pipe 300 mm dia				
	Qty	3 × 7.5	=		22.5 Rm
5/6	Constn of GSB				
	5 ×	7.3 ×	1.8 × 0.100	=	6.57 m^3
	4 ×	6.5 ×	1.5 × 0.100	=	3.9 "
	5 ×	5.8 ×	1.6 × 0.100	=	4.64 "
	7 ×	5.2 ×	1.5 × 0.100	=	5.46 "
	8 ×	4.8 ×	1.4 × 0.100	=	5.376 "
	3 ×	10.5 ×	1.6 × 0.100	=	5.04 "
	7 ×	5.4 ×	1.6 × 0.100	=	6.048 "
	6 ×	4.2 ×	1.2 × 0.100	=	3.024 "
					40.058 m^3
	03/11/2020 J.E	limit -			39.77 m^3
6/5	WBM Grading 3				
	Providing, laying,				
	Spreading and Compacting				
	1 ×	30 ×	$\frac{3.96+3.55}{2}$ × 0.075	=	8.45
	1 ×	30 ×	$\frac{3.55+3.10}{2}$ × 0.075	=	7.48
	1 ×	11 ×	$\frac{3.10+3.9}{2}$ × 0.075	=	2.89
	1 ×	19 ×	$\frac{3.4+3.68}{2}$ × 0.075	=	5.04
	1 ×	30 ×	$\frac{3.68+3.1+3.39}{3}$ × 0.075	=	9.13
	1 ×	30 ×	$\frac{3.39+3.3}{2}$ × 0.075	=	7.53
	1 ×	30 ×	$\frac{3.3+3.8}{2}$ × 0.075	=	7.99
	1 ×	30 ×	$\frac{3.8+3.75}{2}$ × 0.075	=	8.5
			Continuation		57.01

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Continued:-			B/F	57.01
	1×	30×	3.75×	0.075 =	8.44
	1×	30×	$\frac{3.75+4.5}{2}$ ×	0.075 =	9.28
	1×	30×	$\frac{4.5+3.75}{2}$ ×	0.075 =	9.28
	5×	30×	3.75×	0.075 =	42.19
	1×	14×	3.75×	0.075 =	3.94
IInd part	1×	30×	$\frac{4.5+3.80}{2}$ ×	0.075 =	9.34
	1×	20×	$\frac{3.80+3.75}{2}$ ×	0.075 =	5.66
Extra widening	1×	3.5×	1.3×	0.075 =	0.34
	1×	13.5×	$\frac{1.3+2.5}{2}$ ×	0.075 =	1.92
	1×	5.5×	1.2×	0.075 =	0.49
					147.89
	08/12/2020 J.E				
	C.C. Pavement				
	consist of un-reinforced				
	plain cement				
	1×	30×	$\frac{3.96+3.55}{2}$ ×	0.160 =	18.02
	1×	30×	$\frac{3.55+3.1}{2}$ ×	0.160 =	15.96
	1×	6×	$\frac{3.10+3.9}{2}$ ×	0.160 =	3.36
	1×	5×	$\frac{3.9+3.8}{2}$ ×	0.160 =	2.08
	1×	19×	$\frac{3.8+3.68}{2}$ ×	0.160 =	10.91
	1×	6×	$\frac{3.68+4.15}{2}$ ×	0.160 =	3.76
	1×	6×	$\frac{4.15+3.51}{2}$ ×	0.160 =	4.44
	1×	18×	$\frac{5.14+3.78}{2}$ ×	0.160 =	12.79
	1×	8×	$\frac{3.78+3.31}{2}$ ×	0.160 =	4.40
				Continuation	76.72

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.	76.72
	1X	7 X	$\frac{3.10+3.1}{2}$	X 0.160 = 3.47	
	1X	15X	$\frac{3.1+3.2}{2}$	X 0.160 = 7.56	
	1X	30X	$\frac{3.2+3.75}{2}$	X 0.160 = 16.68	
After Grape	1X	30X	$\frac{4.10+3.75}{2}$	X 0.160 = 18.84	
	1X	30X	3.75	X 0.160 = 18	
	5X	30X	3.75	X 0.160 = 90	
	1X	14X	3.75	X 0.160 = 8.4	
Extra widening	1X	3.5X	1.3	X 0.160 = 0.73	
	1X	13.5X	$\frac{1.3+2.5}{2}$	X 0.160 = 4.1	
	P.C.C length = 484 m				244.5

05/11/2021
JE

(8/10) Reinforcement concrete

M15

i) 4mm stone — 2 No.

ii) 20mm stone — 3 No.

(9/11) Traffic Sign and Retro-reflected Board

i) 600 mm equilateral Triangle - 3 No.

ii) 600 mm circular = 2 No.

iii) 600mm x 600 mm = 3 No.

iv) 600mm x 450mm rect. = 2 No.

Continuation

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Particulars	Details of actual measurement				Co[illegible] of area
	No.	L.	B.	D.	
(10/14)	P/d	of Typical	HMGSY		
	informatory	sign board			
		Qty	- 5 Nos.		
		[signature]		[signature]	
[signature]		08/01/2021		8/1/2021	
[signature]		J.E			[signature]

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1)	Setting out pillars				
	Qty - 0.480 km				
	@ 23102.22 /km				— 11089.
(2)	Clearing & Grubbing				
	Qty 0.168 Ha				
	@ 49496.7 /Ha				— 8315
(3)	Const^{n} of sub grade				
	and Earthen Shoulder				
	Qty. 374.88				
	@ 176.75 /m^3				— 66260
(4)	Providing & laying				
	of RC Informed cement				
	Concrete	pipe	300mm		
	Qty- 22.5				
	@ 1565.72 /Rm				— 35229
(5)	Const^{n} of Cr.S.S				
	Qty- 39.47 m^3				
	@ 2742.44 /m^3				— 109067
(6)	WBM Grading 3				
	Qty. 147.89 m^3				
	@ 3441.65 /m^3				— 509549
(7)	C.C. Pavement				
	Qty- 244.5 m^3				
	@ 7170.65 /m^3				— 1739043
(8)	Reinforcement	MS			
	12mm Stone		2 Nos		
	@ 2261.00 each				— 4522

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	ii) 200mm Stone	-	3 No.		
	@ 624.87 each		—		1875.00
	V.P - (8/10/4)				
(9)	Traffic Sign and Retro				
	reflected S Board				
i)	600mm equilateral Triangle-3				
	@ 3420.87/ each		—		10263.00
ii)	600mm circular - 2 Nos				
	@ 4593.97 /each		—		9188.00
iii)	800mm X 600mm rectangle-3				
@	6413.67/ each		—		19241.00
iv)	600mm X 450mm - 2Nos				
@	4473.89 /each		—		8948.00
	V.P - (9/11/4)				
(10)	P/F of Typical MHBSY				
	information sign Board				
Qty	- 5 No. V.P - (10/14/5)				
@	~~46852.00~~ 9386.3 /each		-		46932.0
	Sub. 10%		=		25,74,521
				(-)	257452.00
					23,17,069.00
	08/01/2021 JE				AE (Civil)