M/R

BLOCK - प्राणपुर

Schedule XLV-Form No. 134

Const of road : Mama Nagar Road to Kumhar Samthali tola.

DIVISION

Aggrement NO - 28/MBD/2024-25

Aggreement Amount - 3855077

SUB-DIVISION

Vishal Anand

MEASUREMENT BOOK

1069

24/10/24

प्रमाणित किया जाता है कि इस मोपीपुल में मशीन द्वारा कुल 1000 पत्ते अंकित हैं जिसे वंदना कुमारी सहा० अभि० प्रणापुर के नाम से निर्गत किया जाता है।

Executive Engineer
Rural Works Department
Works Division Manihar
24/10/24

Sch. XLV—Form No. 134

_____ DIVISION

_____ SUB-DIVISION

Measurement Book

No.

1069
24/10/24

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

Name fo 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:- Repair of Road from South MM Guru Digarch Madhaura to Kumhrar Santhali					
LOH. - MR3024					
Block - pranpur					
Agreef No. - 28 SBD/24-25					
PKG No. - MR-N/23-24/Manihari/07					
Agency - Vishal Anand Kotrakhani, Madhubani Bihar					
Agt Amt - Rs 25,69,387/-					
Date of wk Start - 24.10.24 ~~23.8.24~~					
Schedule date of Completion - ~~22.10.25~~ 30.8.25					
Authority - E.E. RWD, Manihari					
Detail Measurt					
(1) Clearing & grubbing of (1) Land, including removing wild vegetation					
2x (6m x 100m x 1.00)					= 1200.00m²
2x (1m x 50.00m x 1.00)					= 100.00m²
					1300.00m²
					= B.130 Hect

Contiuation 2/4

20

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2/22 Plg & fixing of typical MMGSY informatory sign board.					
04 nos					04 no
3/9 Const of subgrade & earthen shoulders					
~~2x(37x1.00x0.9x0.35)~~					157.50
2x(27x1.00x1.00x0.35)					140.00
					~~297.50~~ m³
Recd Entry					
1/3 Construction of granular sub base WMS Gr II					
Ment of pot					
4	1.20	0.85		=	4.08 m²
1	5.30	1.60		=	8.48
1	8.50	0.90		=	7.65
8	0.75	0.60		=	3.60
2	4.00	0.70		=	5.60
1	8.50	1.20		=	10.20
6	1.50	1.00		=	9.00
					48.61 m²

Continuation

19.11.24

C/o

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Bff =	48.61 m²
2 nos	6.00 x	0.90 =			10.80
4 nos	2.50 x	1.30 =			13.00
1 x	7.30 x	0.90 =			6.57
4 nos	1.50 x	0.65 =			3.90
1 x	9.40 x	1.00 =			9.40
2 nos	3.50 x	1.00 =			7.00
6 nos	0.90 x	0.75 =			4.05
4 nos	1.25 x	0.95 =			4.75 m²
					108.08 m²
Avg thk = (0.170 + 0.130 + 0.150) / 3					x 0.150 m
= 0.150 m					
				=	16.21 m³
Sd/- 27.11.24					
Recd Entry					
(I)/(4) P/L, laying, spreading & compaction stone agg of sp. size WBM Gr II					
Area Cord Same as					
uvd (1)/(3)					108.08 m²
Mat. Stack					
	1 x	4.00 x	1.30 =		5.20 m²
	4 nos	2.50 x	1.20 =		6.00 m²

Continuation

119.28 m² c/o

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/f =	119.28 m²
1 x	8.40 x	0.75		=	6.30
4 n x	3.50 x	2.00		=	28.00 m²
1 x	6.00 x	2.40		=	14.40 m²
2 n x	3.00 x	2.40		=	14.40
1 x	5.00 x	1.10		=	5.50 m²
					187.88 m²
	thick = 0.075 m				x 0.075
				=	14.09 m³
		[signature]			
		18.12.24			
		Record Entry			
1/5	plac, lay, spread & compacting stone ags of wearing GSB				
chn 0-5.68 m	Area covered Same as 1/4				187.88 m²
Mostly pb					
1 x	6.75 x	1.80		=	12.15 m²
4 x	3.00 x	1.50		=	18.00
2 n x	6.50 x	0.85		=	11.05 m²
					229.08 m²

Continuation

[signature]

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F =	229.083 m²
	1 × 7	5.00	2.45	2	18.37
	6 nos	2.50	1.00	2	15.00
	1 × 11.40		2.30	2	26.22
	5 nos	3.50	1.70	2	29.75
	1 × 12.60		2.35	2	29.61
	6 nos	1.50	2.00	2	18.00
	4 nos	4.50	1.25	2	22.50
	1 × 11.50		2.00	2	23.00
	6 nos	1.50	1.00	2	9.00 m²
	2 ×	8.40	0.90	2	15.12
	6 nos	2.00	1.30	2	15.60
	1 ×	5.70	1.50	2	8.55
	1 ×	5.20	1.00	2	5.20
					465.03 m²
	Vol^m of Arch				× 0.075 m
	(avg th. 0.075 m)				= 34.877 m³

28.12.24

Sch. XLV—Form No. 134 Recd 6 Ents

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1)/(9) Const of dry lean Cement Concrete sub base over prepared subgrade					
Ch 565-650					
Mmt of pats					
4 Nos	0.80	1.20	=		3.84 m²
1 ×	3.50	0.70	=		2.45 m²
6 Nos	1.20	0.90	=		6.48
2 Nos	2.50	1.00	=		5.00
8 Nos	0.85	0.70	=		4.76
3 Nos	2.00	0.65	=		3.90 m²
					26.43 m²
				×	0.075 m
				=	1.98 m³
13.1.25					
Recd Ents					
(1)/(6) P/V a tack coat with bitumen emulsion (SS-1)					
Area same as under (5)/(5) p no 05					465.00 m²
04.2.25					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Prep. of sub. level					
(3) Coat with bitumen emulsion RS-1					
Ch.					
0-6m	1	96.0m	6.00m		36.00 m²
6-100	1	94.00	3.75	=	352.50
~~100-300~~	~~2~~	~~100~~	~~3.75 m~~		~~750.00~~
~~300-332~~	~~1~~	~~32.00~~	~~3.75 m~~	=	~~120.00~~
332-345	1	13.00	4.20 m	(av)²	54.60 m²
345-400	1	55.00	3.75 m	=	206.25
400-500	1	100.00	3.75	=	375.00
500-510	1	10.00	3.75	=	37.50 m²
					1931.85 m²
		~~Quantity 1931.85 m²~~			
(3) (8) Prep. Laying Semi dense bituminous Concrete 25mm th. Sand and Metal (2) (5)					
1931.85 m² × 0.025 m = 48.29 m³					
		15.2.25			
(4) (2) Cost of Subgrade excavation					
2 × (1 × 100 × 0.60 × 0.15) =					18.00
2 × (1 × 40 × 0.25 × 0.15) =					6.60
					24.60 m³

Continuation

15-2-25

Record Entry

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1) (10)	Construction of Panel Concrete thickness as per design, M30 — do				
Ch 510-553	- 1	x 43.00	x 3.75	=	161.25 m²
553-563	- 1	x 10.00	x 4.20	(avg) =	42.00 m²
563-578	- 1	x 15.00	x 3.75	m =	56.25
578-588	- 1	x 10.00	x 3.75	m =	37.50
588-610	- 1	x 22.00	x 3.75	m =	82.50
610-616	- 1	x 06.00	x 4.00	(avg) =	24.00
616-650	- 1	x 34.00	x 3.75	m =	127.50 m²
					531.00 m²
					x 0.125 m
				=	66.37 m³
		Limited to			66.25 m³
		21.2.25			
(2) (11)	R.C.C. M15 grade Km. Stone 01 nos				01 nos
(3) (12)	200 M Stone 04 nos				04 nos
(4) (13)	Pvt 2 layer hot applied Thermoplastic Coat				
	2 x (5 m x 1 m x 0.1 cm)				= 100.00
	2 x (1 x 10.00 x 0.1 D)				= 02.00
					102.00 m²

Continuation

21.2.25

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) (20)	pedestrian Crossing				
	2 × 6.00 × 0.50 =				6.00 m²
(6) (21)	P/V good angle cm C.C. parts				
	2 × (1 × 100.00 × 0.10) =				20.00 m²
	2 × (1 × 40.00 × 0.10) =				8.00 m²
					28.00 m²
(7) (13)	P/V & erecting chowkha place identified				
	2 × 1.20 × 0.80 =				1.92 m²
(8) (14)	plantation of trees				
	26 nos.				26 nos.
(9) (25)	B/Masonry work in CM (1:3) in parapet				
	0.25 × (2 × 7.30 × 0.40 × 0.60) =				0.87 m³
(10) (24)	plastering with cm (1:4)				
	2 × 7.30 m × 1.60 m =				23.36 m²
	4 nos. × 0.40 × 0.60 =				0.96 m²
					24.32 m²
(11) (23)	painting on parapet wall with 2 coats of white wash (in)				
	24.32 m²				24.32 m²

Continuation

25.2.24

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) (14)	P/N 4 fixing of retro-reflecting Cautn, mandatory Informatory Sign board 600 mm equilateral triangle				
	08 nos				08 nos
(13) (15)	600 mm Circle				
	04 nos				04 nos
(14) (16)	600 x 450 mm rectangle				
	04 nos				04 nos
(15) (17)	900 mm Side octagon				
	02 nos				02 nos
	25.2.25 JE.				25/02/25

Continuation

Abstract of Bill

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Clearing & grubbing					
(1) Road land					
Qty vide p.n. (01)					
0.13 Hect @ 76926.08/Hect = 10,000					
(2) (2) Construction of Side & earthen shoulder					
Qty vide Tms					
p.n (02)	297.50 m³				
p.n (03)	24.60 m³				
	322.10 m³				
	@ 264.72/m³ =				85266
(3) (3) Construction of GSB with Grade II					
Qty. vide Tms p.n. (03)					
16.21 m³ @ 2525.23/m³ =					40934
(4) (4) p/n Laying spreading & compaction stone aggr. with WBM Grade II					
Qty vide p.n. (04)					
14.09 m³ @ 5440.56/m³ =					76657
(5) (5) p/n Laying spreading & Compaction stone aggr. with WBM Grade II					
Qty. vide p.n. (05)					
34.87 m³ @ 5210.97/m³ =					181707
					394564

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F =	3945642.00
6/6	P/N 4 afft primer Coat with bitumen emulsion (SS-1)				
	Qty. vide p.no (06)				
	465.00 m^2 @ 55.47			$/m^2$ =	25794.00
7/8	P/N 4 afft Tack Coat with bitumen (RS-1)				
	Qty. vide p.no (07)				
	1931.63 m^2 @ 19.03			$/m^2$ =	36759.00
8/8	P/N 2 Laying Screed bitumen Concrete				
	Qty. vide p.no (07)				
	48.29 m^3 @ 13283.88			$/m^3$ =	641479.00
9/9	Cost of dry lean Cemt Concrete sub base over part of Sub-grade				
	Qty. vide p.no (06)				
	1.98 m^3 @ 5312.28			$/m^3$ =	10518.00
10/10	Cost of panel Cemt Concrete, Fluches as per design				
	Qty. vide p.no (08)				
	66.29 m^3 @ 9083.11			$/m^3$ =	602119.00
				Total =	17112330.00

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F = 17		1123320
(11)/(11)	Rice Mix grade K.M. Stone				
	Qty vide pn. (08)				
	01 nos @ 3018.06		each =		3018m²
(12)/(12)	2nd M Stone				
	04 nos		829.33 each =		3316m²
(13)/(13)	Plus & erection dirty & place identification				
	Qty vide pn. (09)				
	1.92 m² @ 15071.34		each =		28937m²
(14)/(14)	Qty & purity of zero-reflectorised Cutting, mandatory & replacement				
	600mm equilateral triangle				
	Qty vide pn. (10)				
	08 nos @ 4493.62		each =		35949m²
(15)/(15)	600 mm Circle				
	04 nos		4335.93 each =		17344m²
(16)/(16)	600x450mm oval				
	04 nos @ 4191.40		each =		16766m²
(17)/(17)	900mm Side octagon				
	02 nos		8660.76 each =		17322m²
					1833885m²

Continuation

CJS

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					1833885rs
(18) (18)	planting of trees by road side				
	Qty vide p. no. (09)				
	26 nos	1305.10	each =		33933rs
(19) (19)	P/V & layers of hot applied thermo Coating (08)				
	At end of B.T. portion				
	102.00 m^2 @ 886.50	$/m^2$ =			90423rs
(20) (20)	pedestrian Crossing				
	06.00 m^2 @ 886.50	$/m^2$ =			5319rs
(21) (21)	At Ends of C.C. portion —				
	28.00 m^2 @ 1005.95	$/m^2$ =			28167rs
(22) (22)	P/V & fixing of Typical MMGary info board —				
	Qty vide pn (02)				
	04 nos	11690	each =		46760rs
(23) (23)	Painting on parapet wall —				
	Qty. vide pn (09)				
	~~0.81 m^2~~ @ 24.32 m^2 @	139.10	$/m^2$ =		3384rs
(24) (24)	plastering with CM (1:4)				
	24.32 m^2 @	229.30	$/m^2$ =		5577rs
				Continuation	2047448rs

c/f

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
					2047548
(25)/(25)	BF Masonry work in				
	CM (1:3) in parapet				
	Qty. vide p. no. (08)				
	0.87 m³ @ 6185.97/m³ =				5382
					2052830
	Add GST @ 18% (+)				369509
	L.Cess @ 1% (+)				20528
					2442867
	Seig fee 10%				(A)
	Earth - 322.10 m³ @ 35.25/m³ =				1135
	Cum Gravel - 16.21 m³ @ 577.08/m³ =				935
	Log m Gr II - 141.09 m³ @ 1454.06/m² =				2049
	Wall m Gr II - 34.87 m³ @ 1547.40/m³ =				5396
	Sdbc 25m - 48.29 m³ @ 886.08/m³ =				4279
	DLC 1.98 m³ @ 548.08/m³ =				109
	Bitmen 0.87 m³ @ 3091.44/m³ =				269
	24.22 m² @ 10.55/m² =				256
	pcc 66.29 m³ @ 1092.71/m³ =				72420
					21431 1,147
	(A) + (B) =				24648
					412031
	Below 16.72% (-)				2411987
	This bill Amt				2052031
	Limited to Rs 11.85931 =				2052267
	29.2.24				25/02/24

Continuation

Bitumen 16 87.

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
D/o No. 2616, BB RWD Manihari					
Dated 16.11.24					
Material	Invoice No.			Qty.	
Bitumen Emuls (SS-1)	D2P2/085/24-25				0.40 MT
(RS-1)	— do —				0.60 MT
VG-10	— BH55202084 20				5.616 MT
	Received		Consumption		Balance
SS-1	0.40 MT		0.40 MT		—
RS-1	0.60 MT		0.58 MT		0.02 MT
Wastage					
VG-10	5.616 MT		5.216		0.400 MT

25.2.25
J.E

25/02/25

Continuation