प्रमाणित किया जाता है कि
मापी पुस्तक मे मशीन टेकीन 100
पृष्ठ है जिसे सहायक अभियंता
आगीय कार्य विभाग कार्य
अवर प्रमंडल मधुबन के द्वारा
से निर्गत किया जाता है

5.10.23
Executive Engineer
RWD Works Division
Pakridayal
05.10.23

Sch. XLV - Form No. 134

R-W-D PAKRIDAYAL DIVISION

MADHUBAN SUB-DIVISION

Measurement Book

No.

1399

Name _____

_____

Date of first entry _____

Date of last entry _____

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	3rd on A/c Bill.				
N/w:→	Const^n. of road & C.D works				
	with five year Maintenance				
	of road from NH-104 Shiv				
	Mandir to Moglania Mahadalit				
	tola under MMGSY, NDB.				
	Bridge.				
Agency:→	M/s Shivam Kumar				
	AT- Chhota Bariyarpur				
	Motihari, Chhautauni				
Agreement no:→	12SBD/2023-24				
D.O.S→	04.07.2023				
D.O.C→	03.07.2024				
D.O.M→	05/03/24 to 06/06/2024				
1.) P/F Benchmark Pillar					
—do— all comp. job.				→	0.950 KM.
2.) P/F Reference Pillar					
—do— all comp. job.				→	0.950 KM
3.) clearing and grubbing road land					
—do— all comp. job.					
Qty. 0.38 Ha	vide	TMB	P-03,	item-06	
				→	0.38 Ha.
4.) Dismantling of cc pavements					
—do— all comp. job.					
Qty.	vide	TMB,	P-03,	Item-07	→ 34.80 m^3

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
5.) P/L cable duct across the					
road -do- all comp. job.					
		4x	7.50	=	30.00M.
6.) Excavation for roadway					
-do- all comp. job.					
Qty. vide TMB P-05, item-09					
				→	56.85M³
	Room 16/03/24 J.E				
7.) const^n. of subgrade					
-do- all comp. job					
2x	5x	30x	0.625x	0.160 =	30.00M³
2x	5x	30x	0.625x	0.160 =	30.00 "
2x	5x	30x	0.625x	0.160 =	30.00 "
	5x	30x	4.05x	0.300 =	182.25 "
	4x	30x	4.05x	0.300 =	145.80 "
	1x	3x	4.05x	0.300 =	3.65 "
					421.70M³
Qty vide TMB P-08, item-12				→	267.83 "
					689.53M³
	Room 05/04/24 J.E				
8.) const^n. of GSB					
-do- all comp. job.					

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Qty vide THB P-06, item-10					
				→	394.04M³
9.) Providing, laying, spreading and compacting WBM Gr-II					
-do- all comp. job.					
Qty vide THB P-07, item-11					
				→	274.83M³
10.) Providing & applying Primer coat -do- all comp. job.					
	10×	$(\frac{7.00+3.75}{2})$		=	53.75M²
		5×	30×	3.75 =	562.50 "
		2×	30×	3.75 =	225.00 "
		5×	30×	3.75 =	562.50 "
		4×	30×	3.75 =	450.00 "
		1×	3×	3.75 =	11.25 "
		1×	21×	3.75 =	78.75 "
					1943.75M²
	06/04/24 JE				
11.) P/A tack coat -do- all comp. job.					
	10×	$(\frac{7.00+3.75}{2})$		=	53.75M²
		5×	30×	3.75 =	562.50 "
		2×	30×	3.75 =	225.00 "
		C.O		—	= 841.25M²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F=	841.25 M²
		5X	30X	3.75=	562.50 "
		4X	30X	3.75=	450.00 "
		1X	3X	3.75=	11.25 "
		1X	21X	3.75=	78.75 "
					1943.75 M²
	07/04/24 J.E				
12.) Providing, Laying and rolling with 20 mm thic CYSS -do- all comp. job.					
	10X	(7.00 + 3.75 / 2)			= 53.75 M²
		5X	30X	3.75=	562.50 "
		2X	30X	3.75=	225.00 "
		5X	30X	3.75=	562.50 "
		4X	30X	3.75=	450.00 "
		1X	3X	3.75=	11.25 "
		1X	21X	3.75=	78.75 "
					1943.75 M²
	09/04/24 J.E				
13.) const^n. of Pce -do- all comp. job.					
Qty vide TMB P-15, Item-01 →					275.20 M³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
14.) constn. of embankment with material obtained from borrow pit					
-do- all comp. lot.					
CH	Area	Mean Area		Dist.	volume(m^3)
0	5.502	–	–	–	–
50	6.539	6.021		50	301.025 "
100	6.679	6.609		50	330.450 "
150	8.067	7.373		50	368.650 "
200	7.410	7.739		50	386.925 "
220	3.330	5.370		20	107.400 "
250	0.00	0.00		30	0.00 "
300	1.093	0.00		50	0.00 "
350	1.164	1.129		50	56.425 "
400	1.010	1.087		50	54.350 "
450	0.936	0.973		50	48.650 "
500	1.036	0.986		50	49.300 "
550	1.008	1.022		50	51.100 "
600	1.036	1.022		50	51.100 "
650	0.994	~~0.00~~ 1.015		50	50.750 "
700	0.00	0.00		50	0.00 "
750	0.00	0.00		50	0.00 "
800	0.00	0.00		50	0.00 "
850	1.031	0.00		50	0.00 "
900	1.037	1.034		50	51.700 "
950	1.264	1.151		50	57.525 "
		C.O		=	1965.350 m^3

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
~~14(A)>.co~~	Deduction:				
GSB		→	394.04		M^3
WBM Gr-III		→	274.83	"	
Sub-grade		→	689.53	"	
PCC		→	275.20	"	
			1633.60		M^3
Net E/W Qty		= (1965.350 − 1633.60) M^3			
		= 331.75 M^3			
14(A)> constn. of Embankment with material obtained from borrow pit -do- all comp. job.					
From 1000 m lead.				→	89.57 M^3
14(B)> constn. of Embankment with material obtained from borrow pit -do- all comp. job.					
From 1000 m lead				→	242.18 M^3
	Rhoo 20/04/24 J.E				
15.> Laying brick soling layer -do- all comp. job.					
	2x	5x	30x	0.500 =	150.00 M^2
	2x	4x	30x	0.500 =	120.00 "
	2x	1x	10x	0.500 =	10.00 "
	2x	5x	30x	0.375 =	112.50 "
				B.f =	392.50 M^2

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F=	392.50 M²
	2×	5×	30×	0.375=	112.50 "
	2×	5×	30×	0.375=	112.50 "
					617.50 M²
	30/04/24 J.E				
16.) P/F 200 m stone -do- all comp. job →					5.00 nos
17.) P/F RCC boundary Pillar -do- all comp. job →					60.00 nos
18.) P/F 600 mm circular -do- all comp. job →					8.00 nos.
19.) P/F 900 mm equilateral triangle -do- all comp →					8.00 nos.
20.) P/F 600 mm×450 mm rectangular -do- all comp. job →					6.00 nos.
21.) P/F direction and place identification sign -do- all comp. →					1.00 no.
22.) P/F of typical CMGSP informatory sign board with logo -do- all comp. job. →					5.00 nos.
	15/05/24 J.E				

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
23.) Road Marking with hot Applied thermoplastic Compound -do- all comp. job.					
	2X	5X	30X	0.100=	30.00 M²
	2X	5X	30X	0.100=	30.00 "
	2X	5X	30X	0.100=	30.00 "
	2X	5X	30X	0.100=	30.00 "
	2X	5X	30X	0.100=	30.00 "
	2X	5X	30X	0.100=	30.00 "
	2X	1X	30X	0.100=	6.00 "
	2X	1X	20X	0.100=	4.00 "
	2X	15.00X	3.75X	0.250=	28.13 "
					218.13M²
24.) Provision of 15 nos rumble strips -do- all comp. job.					
	2X	15.00X	3.75X	0.25=	28.13M²
	Room 20/05/24 J.G				
25.) Planting of trees and their Maintn. for one year -do- all comp. job.					
				→	22.00 nos.
26.) E/w in excavation for foundn. -do- all comp. job.					
Qty vide	TMB	P-01,	Item-01	→	29.80M³

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
27.> Providing M-15 PCC in foundation					
—do— all comp. job.					
Qty. vide TMB P-02, item-02 →					2.96 M³
28.> PCC M-20 in Sub-str.					
—do— all comp. job.					
Qty. vide TMB P-02, item-03 →					30.61 M³
29.> Providing and Laying RCC					
H.P NP-3 —do— all comp. job.					
Qty. vide TMB P-02, item-04 →					7.50 M
30.> Painting two coats on new					
concrete Surface —do— all comp. job.					
Qty. vide TMB P-02, item-05 →					42.19 M³
31.> B/W in C.M (1:3) in Parapet					
wall —do— all comp. job.					
	2x	5.00x	0.40x	0.60=	2.40 M³
32.> Providing PCC M20 in coping					
—do— all comp. job.					
			2x	5.00=	10.00 M.
33.> Plastering with cement Mortar					
(1:4) —do— all comp. job.					
		4x	5.00x	0.60=	12.00 M²
		2x	5.00x	0.40=	4.00 "
		4.00x	0.40x	0.60=	0.96 "
					16.96 M²
	06/06/24				

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF COST.				
01 1.> P/F benchmark Pillar					
—do— all comp. job.					
0.950 KM	vide	TMB	P-23		
@Rs. 4889.94/KM				—	Rs. 4645=00
02 2.> P/F reference pillar					
—do— all comp job.					
0.950 KM	vide	TMB	P-23		
@Rs. 2286.75/KM				—	Rs. 2172=00
03 03.> clearing and grubbing					
road land —do— all comp.					
0.38 Ha	vide	TMB	P-23		
@Rs. 72697.36/Ha				—	Rs. 27,625=00
04 04.> Dismantling of cc Pavements					
—do— all comp. job.					
4.80 M^3	vide	TMB	P-23		
@Rs. 17801.01/M^3				—	Rs. 61,944=00
05 05.> P/L Cable duct Across					
the road —do— all comp. job.					
30.00 RM	vide	TMB	P-24		
@Rs. 999.45/RM				—	Rs. 29,983=00
06 06.> Excavation for roadway					
—do— all comp. job.					
56.85 M^3	vide	TMB	P-24		
@Rs. 103.85/M^3				—	Rs. 5903=00
		C.O		—	Rs. 1,32,272=00

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F	—	Rs.	1,32,272=00
07/08 > const^n of Subgrade					
—do— all comp. job.					
689.53 M³	vide	TMB	P-24		1,82,196=00
@Rs. 264.23/M³		—		Rs.	~~1,82,273=00~~
08/9+14 > const^n of GSB					
—do— all comp. job.					
394.04 M³	vide	TMB	P-25		
@Rs. 3604.25/M³		—		Rs.	14,20,219=00
9/9+15 > Providing, laying, spreading					
and compacting WBM Gr-II					
—do— all comp. job.					
274.83 M³	vide	TMB	P-25		
@Rs. 5041.84/M³		—		Rs.	13,85,649=00
10/11 > P/A Primer coat					
—do— all comp. job.					
1943.75 M²	vide	TMB	P-25		
@Rs. 60.02/M²		—		Rs.	1,16,664=00
11/12 > P/A tack coat —do— all					
comp. job.					
1943.75 M²	vide	TMB	P-26		
@Rs. 20.65/M²		—		Rs	40,139=00
12/13 > Providing, laying and rolling					
with 20mm thic MSS					
—do— all comp. job.					
		C.O	—	Rs	32,77,139=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B.F	—	—	Rs.32,	77,139=00
1943.75 M²	vide	TMB	P-26		
@Rs.292.07/M²	—	—	—	Rs. S,	67,711=00
13/16 > const^n. of PCC					
—do— all comp. job.					
275.20 M³	vide	TMB	P.26		
@Rs.9539.22/M³	—	—	—	Rs.26,	25,193=00
14(A2)/06 > const^n. of embankment					
lead up to 1000m —do— all					
comp job.					
89.57 M³	vide	TMB	P-28		
@Rs.258.52/M³	—	—	—	Rs	23,156=00
14(B)/07 const^n. of embankment					
lead up to 100m —do— all					
comp. job.					
242.18 M³	vide	TMB	P-28		
@Rs.175.02/M³	—	—	—	Rs.	42,384=00
15/17 > Laying brick soling					
Layer —do— all comp. job.					
617.50 M²	vide	TMB	P-29		
@Rs.524.11/M²	—	—	—	Rs.	3,23,638=00
16/18 > P/F 200m stone					
—do— all comp. job.					
5.00 nos.	vide	TMB	P-29		
@Rs.861.95 each	—	—	—	Rs.	4309=00
		C.O	—	Rs. 68,	63,530=00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	—	Rs. 68,	63,530=00
17/19 > P/F RCC boundary pillar					
—do— all comp. job.					
60.00 nos.	vide	TMB	P-29		
@Rs. 677.81 each		—		Rs.	40,668=00
18/20 > P/F 600mm Circular					
—do— all comp job.					
8.00 nos.	vide	TMB	P-29		
@Rs. 5927.26 each		—		Rs.	47,418=00
19/21 > P/F 900mm equilateral					
traingle —do— all comp.					
8.00 nos.	vide	TMB	P-29		
@Rs. 6774.34 each		—		Rs.	54,194=00
20/22 > P/F 600mm x 450mm					
rectangular —do— all comp.					
6.00 nos.	vide	TMB	P-29		
@Rs. 5782.32 each		—		Rs.	34,693=00
21/28 > P/F direction & Place					
indentification sign —do—					
all comp. job.					
1.00 no.	vide	TMB	P-29		
@Rs. 14,464.01 each		—		Rs.	14,464=00
22/29 > P/F of typical MMGSY					
informatory sign board					
—do— all comp. job.					
	C.O	—		Rs.	70,54,967=00

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B.F			Rs.	70,54,967=00
5.00 nos.	vide	THB	P-29		
@Rs. 12092.17 each				Rs.	60,460=00
23/23+23 > Road Marking with hot applied thermoplastic comp. -do- all comp. job.					
218.13 M² vide THB P-30					
@Rs. 825.75/M²				Rs.	1,80,120=00
24/24 > Provision of 15 nos. rumble stripes -do- all comp. job.					
28.13 M²	vide	THB	P-30		
@Rs. 292.07/M²				Rs	8214=00
25/26 > Planting of trees and their maintn -do- all comp. job.					
22.00 nos.	vide	THB	P-30		
@Rs. 1230.09 each				Rs.	27,061=00
26/30 > E/w in excavation for foundn -do- all comp.					
29.80 M³	vide	THB	P-30		
@Rs. 383.28/M³				Rs.	11,421=00
27/31 > Providing M-15 PCC in foundn -do- all comp. job.					
	C.O			Rs.	73,42,243=00

Particulars	Details of actual measurement No.	L.	B.	D.	Content of area
	B.F			Rs	73,42,243=00
28 → 2.96 M³ vide THB P-31					
@Rs. 7622.66/M³				Rs.	22,563=
28/34 → PCC M-20 in Sub-str.					
—do— all comp. job.					
30.61 M³ vide THB P-31					
@Rs 9047.09/M³				Rs.	2,76,931=00
29/32 → R/L RCC AP NP-3					
—do— all comp. job.					
7.50 M vide THB P-31					
@Rs. 7654.41/M				Rs.	57,408=00
30/33 → Painting two coats on new concrete					
—do— all comp.					
42.19 M² vide THB P-31					
@Rs. 127.28/M²				Rs.	5369=00
31/35 → B/W in C.M (1:3) in Parapet wall —do— all comp. job.					
2.40 M³ vide THB P-31					
@Rs. 7310.65/M³				Rs.	17,545=00
32/36 → Providing PCC M-20 in coping —do— all comp. job.					
10.00 m vide THB P-31					
@Rs. 593.03/M				Rs.	5930=00
	C.O			Rs.	77,27,989=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B.F	—	Rs.	77,27,989=00	
33/37 Plastering with c.m(1:4)					
-do- all comp. job.					
16.96 M2	vide	TMB	P-31		
@Rs. 243.51/M2	—			Rs.	4129=00
			Rs.	77,32,118=00	
Add @1% labour cess	—		Rs.	77,321=00	
Add @18% GST	—		Rs.	13,91,781=00	
Seigh fee	—		Rs.	1,08,826=00	
			Rs.	93,10,046=00	
less 0.49% 60/00	—	(-)	Rs.	45,619=00	
			Rs.	92,64,427=00	
less Previous Payment	—	(-)	Rs.	41,62,656=00	
			Rs.	51,01,771=00	
	Rmm 06/06/24 J.E				

Continuation