प्रमाणित किया जाता है कि
मापी पुस्तक में मशीन टेकीन 100
प्रतिशत 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
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_____

Name of Work- 1
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 measurement relating to each work.

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1st on A/c Bill.				
N/W:→	Const^n of road & C.D work				
	with five years Maintenance				
	of road from NH-104 Shiv				
	Mandir to Moglania Mahadalit				
	tola under MGSY (NDB Brick)				
Agency:→	M/s Shivam Kumar.				
	AT- Chhota Bariyarpur				
	Motihari Chhatauni				
Agreement no →	12 SBD/2023-24				
D.O.S →	04.07.2023				
D.O.C →	03.07.2024				
D.O.M →	17.01.2024.				
1.) E/w	in excavation for found^n				
-do-	all comp. job.				
	2x	6.45x	1.40x	1.50 =	27.09 M^3
	1x	4.85x	1.53x	0.365 =	2.71 "
					29.80 M^3
2.)	providing M-15 R.C.C in found^n				
-do-	all comp. job.				

Continuation

Sch. XLV-Form No.134 2

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2×	6.45×	1.40×	0.15=	2.70 M³
	1×	4.931×	1.53×	0.25=	1.89 "
less, 0.250×	$\frac{22}{7}$×	$(\frac{1.23}{2})^2$×		5.496=	(-)1.63 "
					2.96 M³
3.> P.C.C M-20, in Sub-str.					
-do- all comp. job.					
	2×	6.15×	0.825×	2.58=	26.18 M³
	2×	6.15×	0.40×	1.20=	5.90 "
2×	$\frac{22}{7}$×	$(\frac{1.23}{2})^2$×		0.622=	(-)1.47 "
					30.61 M³
4.> Providing and laying RCC pipe NP-3 -do- all					
comp. job.					
			3×	2.50=	7.50 m
5.> Painting two coats on new concrete surface - do - all comp. job.					
		2×	6.15×	3.43=	42.19 M²
	06/11/23 J.E				
6.> Clearing and grubbing road land -do- all comp. job.					

Continuation

Sch. XLV-Form No.134 3

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2X	5X	30X	2.00 =	600.00 M²
	2X	5X	30X	2.00 =	600.00 M²
	2X	5X	30X	2.00 =	600.00 "
	2X	5X	30X	2.00 =	600.00 "
	2X	5X	30X	2.00 =	600.00 "
	2X	5X	30X	2.00 =	600.00 "
	2X	1X	30X	2.00 =	120.00 "
	2X	1X	20X	2.00 =	80.00 "
					3800.00 M
					0.38 Ha.
	08/11/23 J.E				

7.) Dismantling of cement concrete pavements -do- all comp job.

3X	30X	3.00	X 0.100 =	27.00 M³
1X	26X	3.00	X 0.100 =	7.80 "
				34.80 M³

12/11/23
J.E

8.) Const. of Embankment with material obtained from borrow pits -do- all comp job.

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist.	volume.	
0	0.801	—	—	—	
50	0.816	0.809	50	40.425	M³
100	0.704	0.760	50	38.00	"
150	0.568	0.636	50	31.80	"
200	0.651	0.610	50	30.475	"
220	0.589	0.620	20	12.400	"
250	0.00	0.00	30	0.00	"
300	0.199	0.00	50	0.00	"
350	0.177	0.188	50	9.40	"
400	0.236	0.207	50	10.325	"
450	0.184	0.210	50	10.500	"
500	0.173	0.179	50	8.925	"
550	0.243	0.208	50	10.400	"
600	0.295	0.269	50	13.450	"
650	0.227	0.261	50	13.050	"
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	0.207	0.00	50	0.00	"
900	0.254	0.231	50	11.525	"
950	0.221	0.238	50	11.875	"
				252.554	M³

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
8.(A) → constn. of Embankment with material obtained from Borrow pit lead upto 1000m -do- all comp. job.					
30% of Qty.		252.55 M^3			→ 75.765 M^3
8(B) → constn. of Embankment with material obtained from Borrow pit lead upto 100m -do- all comp. job.					
70% of Qty.		252.55 M^3			→ 176.785 M^3
	From 18/11/23 J.E				
9.) Excavation for roadway in soil -do- all comp. job.					
	2X	5X	30X	0.525X0.100	= 15.75 M^3
	2X	2X	30X	0.525X0.100	= 6.30 "
	2X	1X	10X	0.525X0.100	= 1.05 "
	2X	5X	30X	0.375X0.100	= 11.25 "
	2X	1X	10X	0.375X0.100	= 0.75 "
	2X	5X	30X	0.375X0.100	= 11.25 "
	2X	4X	30X	0.375X0.100	= 9.00 "
	2X	1X	20X	0.375X0.100	= 1.50 "
					56.85 M^3
10.) constn. of G.S.B -do- all comp. job.					

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2x	5x	30x	0.525x	0.100 =	15.75 m³
2x	2x	30x	0.525x	0.100 =	6.30 "
2x	1x	10x	0.525x	0.100 =	1.05 "
	1x	22x	3.00x	0.100 =	6.60 "
10x	$(\frac{11.00+4.05}{2})$x			0.100 =	7.53 "
	5x	30x	4.05x	0.100 =	60.75 "
	2x	30x	4.05x	0.100 =	24.30 "
	5x	30x	4.05x	0.200 =	121.50 "
	4x	30x	4.05x	0.200 =	97.20 "
	1x	3x	4.05x	0.200 =	2.43 "
2x	5x	30x	0.375x	0.100 =	11.25 "
2x	5x	30x	0.375x	0.100 =	11.25 "
2x	5x	30x	0.375x	0.100 =	11.25 "
	1x	30x	3.00x	0.100 =	9.00 "
	1x	15x	3.00x	0.100 =	4.50 "
		9x	3.75x	0.100 =	3.38 "
					394.04 m³
	27/11/23 J.E				
11.) Providing, laying, spreading and compacting WBM Gr-III					
—do— all comp. job.					
10x	$(\frac{7.00+3.75}{2})$x			0.075 =	4.03 m³
	5x	30x	3.75x	0.075 =	42.18 "

Continuation C.O = 46.21 m³

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F =	46.21 M^3
	2x	30x	3.75x	0.075 =	16.88 "
	5x	30x	3.75x	0.075 =	42.19 "
	4x	30x	3.75x	0.075 =	33.75 "
	1x	3x	3.75x	0.075 =	0.84 "
		21x	3.75x	0.075 =	5.91 "
8x	$\left(\frac{12.00+3.75}{2}\right)$ x			0.075 =	4.73 "
	5x	30x	3.75x	0.075 =	42.19 "
	5x	30x	3.75x	0.075 =	42.19 "
	4x	30x	3.75x	0.075 =	33.75 "
	1x	22x	3.75x	0.075 =	6.19 "
					274.83 M^3

11/12/23
J.E

12.) consth. of subgrade and Earthen shoulder - Do - all comp. Job.

2x	5x	30x	1.475x	0.200 =	88.50 M^3
2x	2x	30x	1.475x	0.200 =	35.40 "
2x	1x	10x	1.475x	0.200 =	5.90 "
2x	5x	30x	1.20x	0.075 =	27.00 "
2x	2x	30x	1.20x	0.075 =	10.80 "
2x	1x	10x	1.20x	0.075 =	1.80 "
2x	5x	30x	0.625x	0.100 =	18.75 "
2x	5x	30x	0.625x	0.100 =	18.75 "

Continuation C.O = 206.90 M^3

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F =	206.904 m^3
2x	5x	30x	0.625x	0.100 =	18.75 "
2x	5x	30x	0.625x	0.075 =	14.06 "
2x	5x	30x	0.625x	0.075 =	14.06 "
2x	5x	30x	0.625x	0.075 =	14.06 "
					267.83 m^3
	18/1/24 J.E				
13.) Providing and laying of RCC pipe 300 mm dia -do- all comp job.					
			4x	7.5 =	30 RM.
14.) Providing and fixing MMGSY informatory sign board -do- all comp. job. → 2.00 no.					
	17/01/24 J.E				

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF COST				
1.> E/w in Excavation for					
30 foundn -do- all comp. job.					
29.80 M^3	vide	TMB	P-01		
@Rs. 383.28/M^3				Rs.	11,421=0
2.> Providing Pcc M-15 in foundn					
31 -do- all comp. job.					
2.96 M^3	vide	TMB	P-02		
@Rs. 7622.66/M^3				Rs.	22,563=0
3.> Pcc 20 in sub-str.					
34 -do- all comp. job.					
30.61 M^3	vide	TMB	P-02		
@Rs. 9047.09/M^3				Rs.	2,76,931=00
4.> Providing and laying					
32 RCC pipe NP-3 -do-					
all comp. job.					
7.50 m	vide	TMB	P-02		
@Rs. 7654.41/M				Rs.	57,408=00
5.> Painting two coats on					
33 new concrete surface					
-do- all comp. job.					
42.19 M^2	vide	TMB	P-02		
@Rs. 127.28/M^2				Rs.	5369=00
			C.O	Rs.	3,73,692=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F	Rs.	3,73,692=00
6.) 03 Clearing and grubbing road land-do-all comp. job.					
0.38 Ha	vide	TMB	P-03		
@Rs 72,697.86/Ha				Rs.	27,625=00
7) 04 Dismentling of cement concrete pavement-do-all comp. job.					
34.80 M^3	vide	TMB	P-03		
@Rs. 1780.01/M^3				Rs.	61,944=00
8(A) 06 const^n of Embankment lead up to 100m-do-all comp. job.					
75.765 M^3	vide	TMB	P-05		
@Rs. 258.52/M^3				Rs	19,587=00
8(B) 07 const^n of Embankment lead up to 100m-do-all comp. job					
176.785 M^3	vide	TMB	P-05		
@Rs. 175.01/M^3				Rs.	30,939=00
9) 05 Excavation for roadway in soil-do-all comp. job.					
56.85 M^3	vide	TMB	P-05		
@Rs. 103.85/M^3				Rs.	5903=00
			C.O	Rs.	5,19,690=00

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F —	Rs. 5,	19,690=00
10/09+14 > constn. of GSB					
—do— all comp. job.					
394.04 M^3	vide	TMB	P-06		
@Rs. 3604.25/M^3 —				Rs. 14,	20,218=00
11/10+15 > Providing, laying, spreading					
and compacting WBM Gr. III					
—do— all comp. job.					
274.83 M^3	vide	TMB	P-07		
@Rs. 5041.84/M^3 —				Rs. 13,85,	649=00
12/08 > constn. of Subgrade					
—do— all comp. job.					
267.03	vide	TMB	P-08		
@Rs. 264.23/M^3 —				Rs.	70,769=00
13/27 > Providing and laying of					
RCC pipe 300 mm dia					
—do— all comp. job.					
30 RM	vide	TMB	P-08		
@Rs. 999.45/RM —				Rs.	29,983=00
14/29 > Providing and fixing					
MMGSY informatory sign					
board —do— all comp.					
2.00 no.	vide	TMB	P-08		
@Rs. 12092.17 each —				Rs.	24,184=00
		C.O. —		Rs. 34,	50,493=00
				/	

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F	—	Rs. 34,	50,493=00
Add @1% labour cess	—	—	(+)	Rs.	34,505=00
Add @18% GST	—	—	(+)	Rs. 6,	21,089=00
Deign fee	—	—	(+)	Rs.	77,067=00
				Rs. 41,	83,154=00
less 0.49% as per Agreement	—	—	(-)	Rs.	20,498=00
				Rs. 41,	62,656=00
	17/01/24				
		J.E			

Continuation