

प्रमाणित किया जाना है कि
मापीय पुल में मशीन बेल्ट
100 फुट है जिससे 40 अंश
R.W.D मजदूर के पदनाम
लेखित किया गया है

[Signature]
06/01/23
Executive Engineer
RWD Works Division
Pakaridaya
6.1.23

Sch. XLV - Form No. 134

PAKARIDAYA DIVISION

MADHUBAI SUB-DIVISION

Measurement Book

No.

1363

Name _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd	on	A/c	Bell	
N/w:→	constn.	of	road	from	
	Pakariya	chowk	to	Madhuban	
	Chakia	PWD	road	under	
	14451	(NDB	13715)		
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→	15.03.24	to	05.06.2024		
1.) P/F	working	benchmark			
	Pillar	-do-	all	comp. job	
				→	2.35 KM.
2.) P/F	reference	pillars			
	-do-	all	comp. job.	→	2.35 KM.
3.)	clearing	and	grubbing		
	road	land	-do-	all	comp. job.
Qty vide	TMB	P.O2,	item-01	→	0.94 Ha.
4.)	Dismantling	of	existing		
	sfr.	-do-	all	comp. job	→ 34.66 M ³
5.)	Dismantling	of	ce	sfr.	
	-do-	all	comp. job	→	1.20 M ³
6.)	Dismantling	of	pcc	layement	
	-do-	all	comp. job.		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F	= S	44.114 ³
11X		$\frac{(12.50 + 4.05)}{2}$		$\times 0.20$	= 18.21 "
2X	5X	30X	0.525X	$\times 0.100$	= 15.75 "
2X	5X	30X	0.525X	$\times 0.100$	= 15.75 "
2X	5X	30X	0.525X	$\times 0.100$	= 15.75 "
2X	4X	30X	0.525X	$\times 0.100$	= 12.60 "
	5X	30X	4.05X	$\times 0.100$	= 60.75 "
	5X	30X	4.05X	$\times 0.100$	= 60.75 "
	5X	30X	4.05X	$\times 0.100$	= 60.75 "
	4X	30X	4.05X	$\times 0.100$	= 48.60 "
	1X	30X	3.00X	$\times 0.100$	= 9.00 "
	2X	30X	3.00X	$\times 0.100$	= 18.00 "
	3X	30X	4.05X	$\times 0.200$	= 72.90 "
	1X	8X	4.05X	$\times 0.200$	= 6.48 "
10X		$\frac{(11.50 + 4.05)}{2}$		$\times 0.100$	= 7.78 "
		20X	4.05X	$\times 0.100$	= 8.10 "
		5X	5.00X	$\times 0.100$	= 2.50 "
		6.00X	4.00X	$\times 0.100$	= 2.40 "
2X	5X	30X	0.375X	$\times 0.100$	= 11.25 "
2X	5X	30X	0.375X	$\times 0.100$	= 11.25 "
2X	5X	30X	0.375X	$\times 0.100$	= 11.25 "
2X	5X	30X	0.375X	$\times 0.100$	= 11.25 "
2X	5X	30X	0.375X	$\times 0.100$	= 11.25 "
2X	3X	30X	0.375X	$\times 0.100$	= 6.75 "
2X	1X	25X	0.375X	$\times 0.100$	= 1.88 "

Continuation

C.O = 1056.314³

Continuation $C.O = 390.74 \text{ N}^3$

$$C.O = 390.74 \text{ N}^3$$

Sch. XLV-Form NO. 134					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F =	390.	744 ³ .
10 X	(11.50 + 3.75)	2			5.72 "
	20	X 3.75			5.63 "
	5	X 4.50			1.69 "
	5	X 30	X 3.75		42.19 "
	5	X 30	X 3.75		42.19 "
	5	X 30	X 3.75		42.19 "
	5	X 30	X 3.75		42.19 "
	5	X 30	X 3.75		42.19 "
	5	X 30	X 3.75		42.19 "
	3	X 30	X 3.75		25.31 "
	1	X 25	X 3.75		7.03 "
			6.00	X 4.00	X 0.075 = 1.80 "
					691.064 ³
	22/04/24 J.E				22/4/24 ATB
12> constn. of c.c Pavement					
— 20 — all comp. job.					
10 X	(11.50 + 3.75)	2			12.204 ³
	20	X 3.75			12.00 "
	5	X 3.75			3.00 "
	5	X 30	X 3.75		90.00 "
	5	X 30	X 3.75		90.00 "
	5	X 30	X 3.75		90.00 "
				C.O =	297.204 ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.f =	297.204 ³
	5x	30x	3.75x	0.160 =	90.00 "
	5x	30x	3.75x	0.160 =	90.00 "
	5x	30x	3.75x	0.160 =	90.00 "
	3x	30x	3.75x	0.160 =	54.00 "
	1x	25x	3.75x	0.160 =	15.00 "
		6.00x	4.00x	0.160 =	3.84 "
					640.604 ³

13. > const. of Embankment with

Material obtained from borrow pit
- 20- all comp. job.

CH	Area	Mean area	Dist.	Qty (m ³)
0	1.958	-	-	-
50	1.515	1.737	50	86.825 "
100	5.052	3.284	50	164.175 "
150	5.213	5.133	50	256.625 "
200	5.209	5.211	50	260.550 "
250	5.610	5.410	50	270.475 "
300	5.560	5.585	50	279.250 "
350	5.639	5.600	50	279.975 "
400	5.450	5.545	50	277.225 "
450	5.734	5.592	50	279.600 "
			C. P =	2154.704 ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area		Dist.	volume (cu)
				B.F =	2154.70 "
500	5.378	5.556		50	277.800 "
550	5.430	5.404		50	270.200 "
600	6.122	5.776		50	288.800 "
650	5.555	5.839		50	291.925 "
700	5.420	5.488		50	274.375 "
750	2.848	4.134		50	206.700 "
800	2.698	2.773		50	138.650 "
850	1.178	1.938		50	96.900 "
900	2.734	1.956		50	97.800 "
950	3.037	2.886		50	144.275 "
1000	2.757	2.897		50	144.850 "
1050	1.027	1.892		50	94.600 "
1100	1.051	1.039		50	51.950 "
1150	1.047	1.049		50	52.450 "
1200	0.997	1.022		50	51.100 "
1250	0.983	0.990		50	49.500 "
1300	0.923	0.953		50	47.650 "
1350	1.011	0.967		50	48.350 "
1400	1.058	1.035		50	51.725 "
1450	1.069	1.064		50	53.175 "
1500	1.027	1.048		50	52.400 "
1550	1.133	1.080		50	54.00 "
1560	1.226	1.180		10	11.795 "
1590	1.214	0.00		30	0.00 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	clean area	Dist		Volume (m ³)
1600	1.166	1.190		10	11.900 "
1650	1.048	1.107		50	55.350 "
1700	1.058	1.053		50	52.650 "
1750	2.351	1.705		50	85.225 "
1800	3.343	2.847		50	142.350 "
1850	2.085	2.714		50	135.700 "
1900	3.320	2.703		50	135.125 "
1950	4.097	3.709		50	185.425 "
2000	3.110	3.604		50	180.175 "
2050	3.474	3.292		50	164.600 "
2100	3.869	3.672		50	183.575 "
2150	1.187	2.528		50	126.400 "
2200	1.237	1.212		50	60.600 "
2250	1.041	1.139		50	56.950 "
2300	1.081	1.061		50	53.050 "
2350	1.529	1.305		50	65.250 "
					6699.995 m ³
<u>Deduction</u>					
G.S.B				1086.61 m ³	
G.T. II				664.06 m ³	
Subgrade				2983.84 m ³	
P.C.C				640.60 m ³	
				5375.11 m ³	
Net E/W Qty = (6699.995 - 5375.11) m ³					
				1324.885 m ³	

Continuation

Continuation

21024
AC

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.f =	30.00 m ²
	2X	5X	30X	0.375	112.50 "
	2X	5X	30X	0.375	112.50 "
	2X	5X	30X	0.375	112.50 "
	2X	5X	30X	0.375	112.50 "
	2X	5X	30X	0.375	112.50 "
	2X	5X	30X	0.375	112.50 "
	2X	5X	30X	0.375	112.50 "
					817.50 m ²

18.> P/F	KN Stone			
-do-	all comp. job	→	2.00 nos.	
19.> P/F	200mm Stone			
-do-	all comp. job	→	11.00 nos.	
20.> P/F	Boundary pillar			
-do-	all comp. job	→	120.00 nos.	
21.> P/F	600mm circular			
-do-	all comp. job	→	10.00 nos.	
22.> P/F	900mm equilateral triangle	-do-	all comp.	→ 8.00 nos.
23.> P/F	600mm x 450mm rectangular	-do-	all comp.	→ 10.00 nos.
24.> P/L	Cable duct across the road	-do-	all comp.	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
27.) Planting of trees and their Maintenance for One year					
—do— all comp. job →					128.00 m ²
28.) P/F Direction and Place					
Identification Sign —do— all					
comp. job. →					2.00 m ²
29.) P/F of typical M468Y					
Informationary Sign board					
—do— all comp. job →					5.00 m ²
30.) E/W excavation for foundation					
—do— all comp. job.					
2x 2x 6.45x 1.40x 1.50 =					54.18 m ³
2x 1x 4.85x 1.53x 0.365 =					5.42 "
					59.60 m ³
31.) Providing RCC M-15 in foundation					
—do— all comp. job.					
2x 2x 6.45x 1.40x 0.15 =					5.42 m ³
2x 1x 4.93x 1.53x 0.25 =					3.76 "
less, 2x 0.250x $\frac{\pi}{4} \times (1.23)^2 \times 5.496 =$					(-) 3.26 "
					5.91 m ³
32.) RCC M-20 in Sub-Base					
—do— all comp. job.					
2x 2x 6.15x 0.825x 2.58 =					52.36 m ³
2x 2x 6.15x 0.40x 1.20 =					11.82 "
less, 2x 2x $\frac{\pi}{4} \times (1.23)^2 \times 0.622 =$					(-) 2.96 "
					61.22 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST.					
1/01 > P/F bench mark					
-do- all comp. job.					
2.35 KM vide TMB P-16					
@Rs. 4864.40/KM				Rs.	11,431=00
2/02 > P/F reference pillar					
-do- all comp. job.					
2.35 KM vide TMB P-16					
@Rs. 2273.10/KM				Rs.	5341=00
3/03 > clearing and grubbing road land					
-do- all comp.					
0.94 Ha vide TMB P-16					
@Rs. 72677.86/Ha				Rs.	68,335=00
4/04 > Dismantling of existing lft.					
-do- all comp. job.					
34.66 M ³ vide TMB P-16					
@Rs. 314.04/M ³				Rs.	10,884=00
5/05 > Dismantling of pcc lft.					
-do- all comp. job.					
1.20 M ³ vide TMB P-16					
@Rs. 652.07/M ³				Rs.	782=00
6/06 > Dismantling of pcc pavement					
-do- all comp. job.					
24.75 M ³ vide TMB P-17					
@Rs. 1780.01/M ³				Rs.	44,055=00
			C.O	Rs.	1,40,828=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F	Rs 1,	40,828.00
7/07 > Removing all type H.P					
- do - all comp. job.					
10.00 M ³ wide TMB P-17					
@ Rs. 251.23/M ³				Rs. 2512.00	
8/08 > Excavation for roadway					
- do - all comp. job.					
139425 M ³ wide TMB P-17					
@ Rs. 103.85/M ³				Rs 14,448.00	
9/11 > constn. of Subgrade					
- do - all comp. job.					
2983.84 M ³ wide TMB P-19					
@ Rs. 264.23/M ³				Rs 7,88,420.00	
10/12 > constn. of G.S.B					
- do - all comp. job.					
1086.61 M ³ wide TMB P-21					
@ Rs. 3500.31/M ³				Rs 38,03,472.00	
11/13 > Providing and Laying					
W.B.M G.S.B - do - all					
comp. job.					
691.06 M ³ wide TMB P-22					
@ Rs 4901.77/M ³				Rs. 33,87,417.00	
12/19 > constn. of C.C Pavement					
- do - all comp. job.					
640.60 M ³ wide TMB P-23					
@ Rs. 9423.78/M ³				Rs. 60,36,874.00	

Continuation

C.O - Rs. 1,41,73,971.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F		1.41	73,971.00
$\frac{13(A)}{09} >$ const ⁿ of embankment					
lead up to 1000 m					
-do- all comp. job.					
450.46 m ³ wide TMB P-26					
@Rs. 258.52/m ³					Rs. 1,16,453.00
$\frac{13(B)}{10} >$ const ⁿ of embankment					
lead up to 100 m -do- all					
comp. job.					
874.424 m ³ wide TMB P-26					
@Rs. 175.01/m ³					Rs. 1,53,033.00
$\frac{14}{14} >$ P/A Primer coat					
-do- all comp. job.					
5209.625 m ² wide TMB P-27					
@Rs. 59.98/m ²					Rs. 3,12,473.00
$\frac{15}{15} >$ P/A tack coat					
-do- all comp. job.					
5209.625 m ² wide TMB P-27					
@Rs. 20.63/m ²					Rs. 1,07,475.00
$\frac{16}{16} >$ providing, laying and					
rolling of 20mm thick					
455 -do- all comp. job.					
5209.625 m ² wide TMB P-28					
@Rs. 289.39/m ²					Rs. 1,50,613.00
C.O					Rs. 1,63,71,018.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	Rs	1,63	71018=00
17/20 Laying Brick Soling					
- do - all comp. job.					
817.50 m ² vide TMB P-29					
@ Rs 524.11/m ²			Rs	4,28,460=00	
18/21 P/F K4 Stone					
- do - all comp. job.					
2,000 no. vide TMB P-29					
@ Rs 3084.37 each			Rs	6168=00	
19/22 P/F 200mm Stone					
- do - all comp. job.					
11.00 nos. vide TMB P-29					
@ Rs 856.74 each			Rs	9424=00	
20/23 P/F Boundary Pillar					
- do - all comp. job.					
120.00 nos. vide TMB P-29					
@ Rs 675.42 each			Rs	81,050=00	
21/24 P/F 600mm Circular					
- do - all comp. job.					
10.00 nos. vide TMB P-29					
@ Rs 5913.55 each			Rs	59,135=00	
22/25 P/F 900mm equilateral triangle					
- do - all comp. job.					
8.00 nos vide TMB P-29					
@ Rs 6760.64 each			Rs	54,085=00	
C.O			Rs	1,70,09,340=00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F	—	Rs.	1,84,	14,248=00
33 > P/L RCL H.P NP-3 36					
— do — all comp. job.					
15.00 M. wide TMB P-32					
@ Rs. 7622.47/M			Rs.	1,14,	337=00
34 > Painting two coats on 37					
new concrete surface					
— do — all comp. job.					
84.38 M ² wide TMB P-32					
@ Rs. 127.28/M ²			Rs.	10,73	9=00
35 > B/w in parapet 39					
— do — all comp. job.					
4.80 M ³ wide TMB P-32					
@ Rs. 7294.69/M ³			Rs.	35,01	4=00
36 > Providing Pcc 1:20 in 40					
coping — do — all comp.					
20.00 M wide TMB P-32					
@ Rs. 585.46/M			Rs.	11,70	9=00
37 > Plastering with c.m (1:4)					
— do — all comp. job.					
33.92 M ² wide TMB P-32					
@ Rs. 241.91/M ²			Rs.	8,20	5=00
			Rs.	1,85,	94,252=00
Add 1% labour less			Rs.	1,85,	943=00
Add 18% GST			Rs.	33,	46,965=00
Add sign fee			Rs.	2,	85,546=00
Continuation					
C-0			Rs.	2,24,	12,706=00

