

પ્રમાણિક નિર્માણ કરનાર કામગીરી
મીપી પુનઃ મે મશીન દ્વારા 100 ટકા
દેખીને લેવામાં આવેલો રાશી
માર્ગ કિમીની કામગીરી કરવામાં
પરમીટી બે પદોમાં મે નિર્માણ કરનાર
કારનાર કામ


Executive Engineer
RWD Works Division
Patanjali

Sch. XLV - Form No. 134

R-W-D PAKRIDRAYA DIVISION

R.W.D. PATALI SUB-DIVISION

Measurement Book

No.

1438

Name _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	3rd on A/C Bill.				
N/w:→	constn. of road & c.D works				
	from Mathiya Champapur				
	to Kalyanpur road Near				
	School to Kalyanpur				
	Pokhra under MMSY				
	NDP Adesh.				
Agency:→	M/S Thimusti construction				
	Motihara East Champaran.				
Agreement no:→	31 SBD/2023-24				
D.O.S→	23.02.2024				
D.O.C→	22.02.2025				
D.O.M→	23.08.2024 to 01/11/24				
1.) P/F	Benchmark pillar				
-do-	all comp. job. → 2.00 no.				
2.) P/F	Reference Pillar				
-do-	all comp. job → 5.00 no.				
3.)	Clearing and grubbing				
road land	-do- all comp. job.				
Qty vide	TMB P-02, Item-04 → 1.0154.				
4.)	Excavation for roadway				
Cutting	-do- all comp. job.				
Qty vide	TMB P-07, Item-09 → 14.7043				
5.)	constn. of subgrade				
-do-	all comp. job				
Qty vide	TMB P-19, Item-21 → 4039.3543				

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. > constn. of G.R.B.					
- do - all comp. job.					
Qty wide T.R.B. P-19, Item-23					1159.354 ³
7. > providing, laying, spreading and compacting work for					
- do - all comp. job.					
1 x 10 x $\frac{(9.25 + 3.75)}{2} \times 0.075$					4.8754 ³
7 x 20 x 3.75×0.075					39.375 "
10 x 30 x 3.75×0.075					84.375 "
1 x 10 x $\frac{(3.75 + 6.00 + 3.75)}{3} \times 0.075$					3.375 "
10 x 30 x 3.75×0.075					84.375 "
1 x 12 x $\frac{(3.75 + 6.50 + 3.75)}{3} \times 0.075$					4.200 "
10 x 30 x 3.75×0.075					84.375 "
2 x 30 x 3.75×0.075					16.875 "
8 x $\frac{(3.75 + 5.50 + 3.75)}{3} \times 0.075$					2.600 "
5 x 30 x 3.75×0.075					42.188 "
1 x 10 x 3.75×0.075					2.813 "
20 x $\frac{(9.25 + 3.75)}{2} \times 0.075$					9.750 "
4 x 30 x 3.75×0.075					33.750 "
10 x $\frac{(4.30 + 3.75)}{2} \times 0.075$					3.019 "
					415.9454 ³
8. > constn. of Embankment with material obtained from borrow pit - do - all comp. job.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist	Volume	
0	2.080	—	—	—	—
50	1.889	1.985	50	99.	225 4 ³
100	1.839	1.864	50	93.	200 "
150	5.639	3.739	50	186.	950 "
200	5.351	5.495	50	274.	750 "
250	4.719	5.035	50	251.	750 "
300	4.577	4.648	50	232.	400 "
350	5.579	5.078	50	253.	900 "
400	4.841	5.210	50	260.	500 "
450	5.401	5.121	50	256.	050 "
500	5.493	5.447	50	272.	350 "
550	5.423	5.458	50	272.	900 "
600	5.678	5.551	50	277.	525 "
650	5.674	5.676	50	283.	800 "
700	5.556	5.615	50	280.	750 "
750	5.910	5.733	50	286.	650 "
800	5.720	5.815	50	290.	750 "
850	5.798	5.759	50	287.	950 "
900	5.512	5.655	50	282.	750 "
950	5.716	5.614	50	280.	700 "
1000	5.725	5.721	50	286.	025 "
1050	5.608	5.667	50	283.	325 "
1100	5.270	5.439	50	271.	950 "
1150	5.456	5.363	50	268.	150 "
1200	5.210	5.333	50	266.	650 "
1250	4.978	5.094	50	254.	700 "

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist.	Volume	
1300	5.100	5.039	50	251.950	M^3
1350	5.265	5.183	50	259.125	"
1400	4.806	5.036	50	251.775	"
1450	5.186	4.996	50	249.800	"
Total E/W Qty			=	7368.300	M^3
<u>Deduction</u>					
G.S.B.	=	1159.35	M^3		
Gr-ID	=	415.945	M^3		
Subgrade	=	4039.35	M^3		
net E/W Qty	$= (7368.300 - 5614.645) M^3$				
9. > P/A Primer coat					
- do - all comp. job.					
1x	10x	$(9.25 + 3.75) =$		65.00	M^2
	7x	20x	3.75	=	525.00 "
	10x	30x	3.75	=	1125.00 "
1x	10x	$(3.75 + 6.00 + 3.75) =$		45.00	"
	10x	30x	3.75	=	1125.00 "
1x	12x	$(3.75 + 6.50 + 3.75) =$		56.00	"
	10x	30x	3.75	=	1125.00 "
	2x	30x	3.75	=	225.00 "
1x	8x	$(3.75 + 5.50 + 3.75) =$		35.00	"
	5x	30x	3.75	=	562.50 "
	1x	10x	3.75	=	37.50 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1X	20X	$(9.25 + 3.75) =$			130.00 M ²
	4X	30X	3.75	=	450.00 "
10X	$(4.30 + 3.75) =$				40.25 "
					5546.25 M ²
Room					
24/10/24					
J.E					
10.5 P/A tack coat					
- Do - all comp. job.					
Qty vide TMB P-27 item-09					
				=	5546.25 M ²
11.5 Provision, laying and rolling					
with 20 mm 1455 - Do - all					
comp. job.					
1X	10X	$(9.25 + 3.75) =$			65.00 M ²
	7X	20X	3.75	=	525.00 "
	10X	30X	3.75	=	1125.00 "
1X	10X	$(3.75 + 6.00 + 3.75) =$			45.00 "
	10X	30X	3.75	=	1125.00 "
1X	12X	$(3.75 + 6.50 + 3.75) =$			56.00 "
	10X	30X	3.75	=	1125.00 "
10X	2X	30X	3.75	=	225.00 "
1X	8X	$(3.75 + 5.50 + 3.75) =$			35.00 "
	5X	30X	3.75	=	562.50 "
	1X	10X	3.75	=	37.50 "

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
1X	20X	$(9.25 + 3.75) = 13.00$		130.00 m ²
4X	30X	3.75		450.00 "
10X	$(4.30 + 3.75) = 8.05$			40.25 "
				5546.25 m ²
1X 12X 27/10/24 JE				
12) E/w excavation for found ⁿ				
- do - all comp. job.				
225.528 m ³ vide TMB P-17, item-5				
13) Sand billing on foundation.				
- do - all comp. job.				
2X	6.200	1.629	0.100	2.02 m ³
14) P/v PCC 14-15 in found ⁿ				
- do - all comp. job.				
2X 2X	7.60	2.133	0.200	12.968 m ³
2X 4X	1.767	1.930	0.200	5.456 "
2X 1X	6.200	1.736	0.150	3.228 "
2X 2X	0.40	1.00	0.200	0.320 "
				21.972 m ³
Qty vide TMB P-06, item-04 =				7.390 "
				29.362 m ³
15) P/v Acc 14-15 in open found ⁿ - do - all comp. job.				
Qty vide TMB P-17, item-08 =				94.42 m ³
16) P/v Acc 14-15 in back A/r				
- do - all comp. job.				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMB P-17, item-09 =					45.372 M ³
16. > S/F & placing HYSD bar					
- do - all comp. job.					
Qty. vide TMB P-17, item-10 →					0.986 M ³
17. > P/V RCC M-20 20 sub. str.					
- do - all comp. job.					
Qty vide TMB P-18, item - 11 →					13.34 M ³
18. > P/V RCC M-25 20 Deck					
Slab - do - all comp job.					
Qty. vide TMB P-18, item - 12 →					7.372 M ³
19. > Providing & filling joint					
Sealing compound do -					
all comp. job					
Qty. vide TMB P-18, item-13 →					24.00 M ³
20. > P/V weepholes do - all					
comp. job.					
Qty. vide TMB P-18, item-14 →					48 nos.
21. > Providing Drainage Spouts					
- do - all comp. job.					
Qty. vide TMB P-18, item-15 →					4.00 nos.
22. > Painting on parapet wall					
- do - all comp. job.					
2x 2x 8.00 x 0.400 =					12.80 M ²
2x 4x 8.00 x 0.600 =					38.40 "
2x 4x 0.40 x 0.600 =					1.92 "
					53.12 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
23. > B/W 2m c.m (1:4) 20 found					
- do - all comp. job.					
Qty. vide TMB P-18, item-16 =					91.96 m ³
24. > P/v RCC 17-20 20 coping					
- do - all comp. job.					
Qty. vide TMB P-18, item-17 =					0.90 m ³
25. > P/v weep holes 20 B/W					
- do - all comp. job.					
Qty. vide TMB P-19, item-18 =					45.00 nos.
26. > Plastering with c.m (1:4)					
- do - all comp. job.					
Qty. vide TMB P-19, item-19 =					71.25 m ²
27. > Brick Masonry 20 c.m (1:3)					
- do - all comp. job.					
2x 5.00 x 0.40 x 0.600 =					2.40 m ³
28. > Plastering with c.m (1:4)					
- do - all comp. job.					
4.00 x 5.00 x 0.600 =					12.00 m ²
2.00 x 5.00 x 0.400 =					4.00 "
4.00 x 0.40 x 0.600 =					0.96 "
					16.96 m ²
29. > Painting 100 coat on B/W					
- do - all comp. job.					
4.00 x 4.00 x 0.600 =					9.60 m ²
2.00 x 4.00 x 5.00 =					40.00 "
4.00 x 0.40 x 0.60 =					0.96 "
					50.56 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
30> Cable duct across the road - do - all comp. job					
	5x	3x	2.50	=	37.50 m
31> P/F ordinary Kilometer stone - do - all comp. job → 2.00 nos.					
32> P/F 200m stone - do - all comp. job. → 6.00 nos.					
33> P/F of typical MMSY informational sign board - do - all comp. job. → 4.00 nos.					
34> P/F Boundary Pillar - do - all comp. job. → 24.00 nos.					
35> P/F 600mm Equilateral triangle - do - all comp. job → 6.00 nos.					
36> P/F 600mm circular board - do - all comp. job → 8.00 nos.					
37> P/F 600mm x 450mm Rectangular board - do - all comp. job → 2.00 no.					
38> P/F 900mm side octagon - do - all comp. job → 2.00 no.					
39> Road Marking with hot applied thermoplastic compound - do - all comp. job.					

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
	B.F	—	Rs. 48,93,720=00	
7) Providing and laying				
1034 1034 60-112 do-all comp.				
415.94514 ³ wide TMB P-24				
@Rs. 5554.90/14 ³ —			Rs. 23, 10,533=00	
8) constn. of Embankment				
—do— all comp. job.				
1753.65514 ³ wide TMB P-26				
@Rs. 196.04/14 ³ —			Rs. 3, 43,787=00	
9) P/A Primer Coat				
—do— all comp. job.				
5546.254 ² wide TMB P-27				
@Rs. 57.00/14 ² —			Rs. 3, 16,136=00	
10) P/A tack coat				
—do— all comp. job.				
5546.254 ² wide TMB P-27				
@Rs. 19.58/14 ² —			Rs. 1, 08,595=00	
11) Providing and laying				
20 mm thick M.S.				
—do— all comp. job.				
5546.254 ² wide TMB P-28				
@Rs. 290.54/14 ² —			Rs. 16, 11,408=00	
12) E/W excavation for foundation				
—do— all comp. job.				
225.5284 ³ wide TMB P-28				
@Rs. 405.83/14 ³ —			Rs. 91,526=00	
C.O			Rs. 96,81,705=00	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F		Rd	96	81,705 = W
13 > Sand filling in foundation 29					
- Do - all comp. job.					
2.02 M ³	wide	TMB	P-28		
@ Rs. 578.66/M ³				Rd	1168 = W
14 > P/V RCC 14-15 in foundation 20+30+31					
- Do - all comp. job.					
29.362 M ³	wide	TMB	P-28		
94.42 M ³	wide	TMB	P-28		
123.782 M ³					
@ Rs. 7906.12/M ³				Rd	9,78,635 = W
15 > P/V RCC 14-15 in 32					
lab - str. - Do - all comp.					
45.372 M ³	wide	TMB	P-29, & 10-16		
@ Rs. 8500.64/M ³				Rd	3,85,691 = W
16 > S/F & Placing HYSD bar 35					
- Do - all comp. job.					
0.986 M ³	wide	TMB	P-29		
@ Rs. 75228.62/M ³				Rd	74,175 = W
17 > P/V RCC 14-20 in Lab-str. 33					
- Do - all comp. job.					
13.34 M ³	wide	TMB	P-29		
@ Rs. 8947.80/M ³				Rd	1,19,364 = W
18 > P/V RCC 14-25 in Deck 34					
lab - Do - all comp. job.					
7.372 M ³	wide	TMB	P-29		
@ Rs. 10147.11/M ³				Rd	74,804 = W

Continuation

C.O. — Rs. 1,13,15,542 = W

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F.		1/2	1, 13,	15, 5422W
19 > P/F Joint sealing					
36 - Do - all comp. job.					
24.004 wide TMB P-29				1/2	1344=00
@ 1/2 56.04/14					
20 > P/V weep hole - Do - all					
37 comp. job.					
48.00 nos. wide TMB P-29				1/2	7124=00
@ 1/2 148.42 each					
21 > Drainage Spouts					
38 - Do - all comp. job.					
4.00 nos. wide TMB P-29				1/2	2666=00
@ 1/2 666.72 each					
22 > Painting on parapet wall					
27 & 29 - Do - all comp. job.					
53.12 M ² wide TMB P-29					3381=00
50.56 M ² " " P-30					
103.68 M ²					
@ 1/2 137.55/M ²				1/2	14,261=00
23 > B/W in C.W. (1:4) in foundation					
21 - Do - all comp. job.					
91.962 M ² wide TMB P-30				1/2	8818=00
@ 1/2 6889.50/M ²				1/2	6,33,572=00
24 > P/V RCC 14.20 in coping					
22 - Do - all comp. job.					
0.90 M ³ wide TMB P-30				1/2	8053=00
@ 1/2 8947.80/M ³					

Continuation

C.O. 1, 19, 82, 5622W

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.f.			1, 19,	82,562200
25 > P/v weep holes in B/w					
25 - do - all comp. job.					
45.00 nos. vide TMB P-30					
@ Rs. 148.42 each					Rs. 6678=0
26 > plastering with c.m (1:4)					
24+26 - do - all comp. job.					
71.25 m ² vide TMB P-30 item-26					
16.96 m ² " " P-30 item-28					
88.21 m ²					
@ Rs. 259.51/m ²					Rs. 22,891=0
27 > B/w in c.m (1:4)					
25 - do - all comp. job.					
2.40 m ² vide TMB P-30					
@ Rs. 7355.16/m ²					Rs. 17,652=0
28 > Cable duct across the road					
40 - do - all comp. job.					
37.50 m vide TMB P-31 item-30					
@ Rs. 1103.92/m					Rs. 41,396=0
29 > P/F ordinary K m stone					
12(III) - do - all comp. job.					
2.00 nos. vide TMB P-31					
@ Rs. 3153.66 each					Rs. 6307=0
30 > P/F 2nd m stone					
12(III) - do - all comp. job.					
6.00 nos. vide TMB P-31					
@ Rs. 853.32 each					Rs. 5119=0

Continuation

C.O. Rs. 1,20,82,605=0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F			Rs. 1, 20,	82,605.00
31 > P/F of typical 4x4 sq					
13 > Informatory Sign board					
- do - all comp. job.					
4.00 nos. vide TMB P-31					
@ Rs. 15586.98 each				Rs. 62,347.00	
32 > P/F Boundary pillar					
15 > - do - all comp. job.					
24.00 nos. vide TMB P-31					
@ Rs. 691.25 each				Rs. 16,590.00	
33 > P/F 300mm Equilateral					
16 > triangle. - do - all comp.					
job.					
6.00 nos. vide TMB P-31					
@ Rs. 6046.67 each				Rs. 36,280.00	
34 > 600mm circular board.					
16 > 8.00 nos. vide TMB P-31					
@ Rs. 7943.71 each				Rs. 63,549.00	
35 > 600mm x 450mm Rectangular					
16 > 2.00 no. vide TMB P-31					
@ Rs. 7749.53 each				Rs. 15,499.00	
36 > 900mm side octagon.					
16 > 2.00 no. vide TMB P-31					
@ Rs. 13754.35 each				Rs. 27,508.00	
37 > Road Marking with					
17 > hot thermoplastic comp.					
- do - all comp. job					

Continuation

C.D. Rs. 1,23,04,378.00

