


प्रमाणित किया जाना है कि माथु
पत्र में मशीन लेखी 100 रुए है जिससे
सहायक अभियंता राजीव काठकिया
काठकिया प्रमंडल मधुबन के पदवी
से निर्गत किया गया है


Executive Engineer
R.W.D. Division
1997
1.1.24
Joyal

Sch. XLV - Form No. 134

R.W.D. PAKRIDAYAL DIVISION

R.W.D. MADHUBAN SUB-DIVISION

Measurement Book

No.

1431

Name _____

Date of first entry _____

Date of last entry _____

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	3rd on A/c Bill.				
N/w:-	constn. of road & C.D				
	work with five year Maintn				
	of Raghavir Ray house				
	to brick chimney bhata				
	under MGSY (NDB) Awfesh.				
Agency:-	M/s Dev Brothers constn.				
	At- Bara Govind, P.O- Bara				
	Chakiya, P.S- Chakiya				
	East Champaran.				
Agreement no:-	24 SBD/2023-24				
D.O.S →	30.12.2023				
D.O.C →	29.12.2024				
D.O.M →	03.04.2024 to 25.09.2024				
1.)	Providing and laying boulder				
	Patching - do - all comp. job.				
	2x 7.80 x 3.50 x 0.30 =				
	2x 7.80 x 3.50 = 46.80 m ³				
2.)	PCC 14-15 Below Approach				
	slab - do - all comp. job.				
	2x 6.70 x 3.50 x 0.15 = 7.035 m ³				
3.)	PCC 14-30 Below Approach				
	slab - do - all comp. job.				
	2x 6.70 x 3.50 x 0.30 = 14.07 m ³				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12. > Providing and applying prime coat - do - all comp. job.					
Qty. vide TMB P-26 item-26					
					→ 3335.10 m ²
13. > Providing and applying tack coat - do - all comp. job.					
Qty. vide TMB P-26 item-27					
					→ 3335.10 m ²
14. > Providing, Laying and rolling MSS - do - all comp. job.					
Qty. vide TMB P-26 item-28					
					→ 3335.10 m ²
15. > constn. of RCC - do - all comp. job.					
Qty. vide TMB P-25 item-23					→ 183.60 m ³
16. > Laying brick soling - do - all comp. job.					
Qty. vide TMB P-26 item-24					→ 150.00 m ²
17. > constn. of subgrade - do - all comp. job.					
5X 5X 30X 6.00X 0.300					= 1350.00 m ³
1X 27X 6.00X 0.300					= 48.60 "
2X 10X 30X 1.40X 0.200					= 168.00 "
					e. p = 1566.60 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.f			= 1566.60 m ³
2x	10x	30x	1.40x	0.200	= 168.00 "
2x	9x	30x	1.40x	0.200	= 151.20 "
2x	1x	2x	1.40x	0.200	= 1.12 "
2x	10x	30x	1.20x	0.075	= 54.00 "
2x	10x	30x	1.20x	0.075	= 54.00 "
2x	9x	30x	1.20x	0.075	= 48.60 "
2x	1x	2x	1.20x	0.075	= 0.36 "
2x	10x	30x	1.16x	0.160	= 111.36 "
2x	10x	30x	1.36x	0.075	= 61.20 "
2x	10x	30x	1.46x	0.100	= 87.60 "
					2304.04 m ³

~~Room~~
~~120~~ 671.24
 J.E

~~20~~ 77.24
 A.B

18) constn. of Embankment with material obtained from borrow pit from E/w Quantity sheet.

Ch.	Area	Mean area	Dist	Volume.
0	2.020	—	—	—
50	1.229	1.625	50	81.225 m ³
100	1.360	1.295	50	64.725 "
150	1.295	1.328	50	66.375 "
200	1.367	1.331	50	66.550 "
250	1.311	1.339	50	66.950 "
300	5.184	3.248	50	162.375 "

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist.	Volume.	
350	4.760	4.972	50	248.	600 m^3
400	5.450	5.105	50	255.	250 "
450	4.947	5.199	50	259.	925 "
500	5.720	5.334	50	266.	675 "
550	4.787	5.254	50	262.	675 "
600	5.653	5.220	50	261.	000 "
650	5.836	5.745	50	287.	225 "
700	5.482	5.659	50	282.	950 "
750	4.921	5.202	50	260.	075 "
800	4.800	4.861	50	243.	025 "
850	5.772	5.286	50	264.	300 "
900	5.349	5.561	50	278.	025 "
950	5.502	5.426	50	271.	275 "
1000	5.960	5.731	50	286.	550 "
1050	5.738	5.849	50	292.	450 "
1100	5.405	5.572	50	278.	575 "
1150	5.614	5.510	50	275.	475 "
1175	6.039	5.827	25	145.	663 "
					5227.913 m^3
<u>Deduction:</u>					
G.S.B = 774.065 m^3					
WBM Gr. II = 336.181 m^3					
Subgrade = 2304.044 m^3					
Pcc = 183.604 m^3					
Box Cutting = 14.73 m^3					
Continuation 3612.616 m^3					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
23.) Painting on parapet wall					
-do- all comp. job.					
Qty. vide TMB P-22 item-06 →					20.64M ²
24.) Dismantling of existing masonry work					
-do- all comp.					
Qty vide TMB P-23 item-07 →					63.00M ³
25.) Dismantling of existing					
brn -do- all comp. job.					
Qty. vide TMB P-23, item-08 →					18.75M ³
26.) Const. of diversion					
-do- all comp. job					
Qty. vide TMB P-23 item-09 →					292.50M ³
27.) Excavation for roadway					
in soil -do- all comp.					
Qty. vide TMB P-23 item-10 →					90.53M ³
28.) PCC in open foundation					
-do- all comp. job.					
Qty vide TMB P-23, item-11 →					9.89M ³
29.) Furnishing and placing					
rec -do- all comp.					
Qty. vide TMB P-23, item-12 →					81.48M ³
30.) Placing steel reinforcement					
-do- all comp. job.					
Qty. vide TMB P-24 item-13 →					5.15 tonn.
31.) Providing weep hole					
-do- all comp.					
Qty. vide TMB P-24 item-14 →					44.00 nos.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
32) Back filling behind Abutment					
-do- all comp. job.					
Qty. vide TMB P.24 Item - 15					50.254 ³
33) Providing Giller Media.					
-do- all comp. job.					
Qty. vide TMB P.24 Item - 16					20.104 ³
34) Painting on parapet wall					
-do- all comp.					
Qty. vide TMB P.24 Item - 17					25.2884 ²
35) E/c in Excavation for found					
-do- all comp. job.					
35) Cable duct across the road					
-do- all comp. job					4.00 nos.
36) P/F ordinary Kilometer stone					
-do- all comp. job					2.50 nos.
37) P/F 200mm stone					
-do- all comp. job					5.00 nos.
38) P/F of typical masonry					
informational sign board					
-do- all comp. job					4.00 nos.
39) Boundary Pillar					
-do- all comp. job					25.00 nos.
40) P/F 600mm equilateral triangle					
-do- all comp. job					3.50 nos.
41) P/F 600mm Circular					
-do- all comp. job					4.00 nos.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
42.) P/F 800mm x 600mm rectangular					
-do- all comp. job					→ 4.00 nos
43.) P/F 600mm x 450mm rectangular					
-do- all comp. job					→ 3.00 nos,
44.) P/F 900mm side octagon					
-do- all comp. job					→ 4.00 nos
45.) Road Marking on B.T					
Surface -do- all comp. job					
2x 10x 30x 0.100 = 60.00 m ²					
2x 10x 30x 0.100 = 60.00 "					
2x 5x 30x 0.100 = 30.00 "					
2x 4x 30x 0.100 = 24.00 "					
2x 1x 2x 0.100 = 0.40 "					
					174.40 m ²

~~10/08/24~~ ~~10/8/24~~
 J.E A.B

46.) Road Marking on P.C.C					
Surface -do- all comp. job,					
2x 5x 30x 0.100 = 30.00 m ²					
2x 5x 30x 0.100 = 30.00 "					
					60.00 m ²

~~11/08/24~~ ~~11/8/24~~
 J.E A.E

47.) Planting of trees & there maints for one year -do- all comp. job.					
					→ 88.00 nos.

Continuation
~~12/09/24~~ ~~12/9/24~~
 J.E J.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.O.F			Rs. 54,42,507=00
13 → P/A tack coat	10				
- Do - all comp. job.					
3335.10 M ² vide TMB P-33					
@ Rs. 19.99/M ²					Rs. 66,669=00
14 → P/L 20 mm thick	11				
- Do - all comp. job.					
3335.10 M ² vide TMB P-33					
@ Rs. 266.30/M ²					Rs. 8,88,137=00
15 → constn. of PCC	12				
- Do - all comp. job.					
183.60 M ³ vide TMB P-33					
@ Rs. 9221.41/M ³					Rs. 16,93,050=00
16 → Laying Brick Paving	13				
- Do - all comp. job.					
150.00 M ² vide TMB P-33					
@ Rs. 500.39/M ²					Rs. 75,058=00
17 → constn. of subgrade	06				
- Do - all comp. job.					
2304.04 M ³ vide TMB P-34					
@ Rs. 264.42/M ³					Rs. 6,09,234=00
18A → constn. of Embankment	05				
lead 1000 m - Do. all comp.					
727.00 M ³ vide TMB P-36					
@ Rs. 259.62/M ³					Rs. 1,88,744=00
C.O					Rs. 89,63,399=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F			Rs. 97,77,231=00	
24 → Dismantling of existing 36 masonry work - do - all comp. job.					
63.00 m ³	vide	TMB	P-37		
@ Rs. 319.490/m ³				Rs. 20,127=00	
25 → Dismantling of Existing 37 masonry work - do - all comp. job.					
18.75 m ³	vide	TMB	P-37		
@ Rs. 1579.990/m ³				Rs. 29,624=00	
26 → constn. of diversion 42 - do - all comp. job.					
292.50 m ³	vide	TMB	P-37		
@ Rs. 174.92/m ³				Rs. 51,047=00	
27 → Excavation for roadway 27 - do - all comp.					
90.53 m ³	vide	TMB	P-37		
@ Rs. 391.73/m ³				Rs. 35,463=00	
28 → RCC in open boundry 28 - do - all comp. job.					
9.89 m ³	vide	TMB	P-37		
@ Rs. 8006.27/m ³				Rs. 79,182=00	
29 → Furnishing and placing 29 RCC - do - all comp. job.					
81.48 m ³	vide	TMB	P-37		
@ Rs. 9783.95/m ³				Rs. 7,97,196=00	
	C.O			Rs. 1,07,89,870=00	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F				Rs. 89,63,399=00
18 B > const. of Embankment 04					
lead 100m - do - all					
comp. job.					
485.00 M ³ wide TMB P-36.					
@ Rs. 174.52/M ³					Rs. 84,642=00
19 > E/W in Excavation 22					
for found ⁿ - do - all					
comp. job.					
65.18 M ³ wide TMB P-36					
@ Rs. 391.73/M ³					Rs. 25,533=00
20 > Providing RCC M-15 23					
in found ⁿ - do - all/comp.					
10.259 M ³ wide TMB P-36					
@ Rs. 8006.27/M ³					Rs. 82,136=00
21 > Providing H.P. Cement 25					
- do - all comp. job.					
15.00 M wide TMB P-36					
@ Rs. 7407.35/M					Rs. 1,11,110=00
22 > Providing RCC 40 head 24					
wall - do - all comp. job.					
56.017 M ³ wide TMB P-36					
@ Rs. 9065.79/M ³					Rs. 5,07,838=00
23 > Painting of parapet wall 26					
- do - all comp. job.					
20.64 M ² wide TMB P-37					
@ Rs. 124.625/M ²					Rs. 2573=00

Continuation
C.O. — Rs. 97,77,231=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
36 14(i) → Ordinary Kilometer - Do - Do - all comp. 2.00 nos. vide TMB P-38 @Rs. 3183.12 each			Rs. 1,13,90		499.00
37 14(ii) → 20000 stone - Do - all comp. job. 5.00 nos. vide TMB P-38 @Rs. 867.87 each				Rs.	6366.00
38 15 → 14454 square - Do - all comp. job. 4.00 nos. vide TMB P-38				Rs.	4339.00
39 16 → Boundary Pillar - Do - all comp. job. 25.00 nos. vide TMB P-38 @Rs. 781.44 each				Rs.	46713.00
40 17 → 600000 equilateral triangle 3.00 nos. vide TMB P-38 @Rs. 3167.30 each				Rs.	19,536.00
41 17 → 600000 circular 4.00 nos. vide TMB P-38 @Rs. 4583.18 each				Rs.	9501.00
					1
C.O			Rs. 1,14,95,286.00		

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F			Rs. 1,14,95,286=00
42/17 → 800mm x 600mm					
Rectangular					
4.00 nos. vide TMB P-39					
@Rs. 6779.47 each					Rs. 27,117=00
43/17 → 600mm x 450mm					
Rectangular					
3.00 nos. vide TMB P-39					
@Rs. 4438.25 each					Rs. 13314=00
44/17 → 900mm side octagon.					
4.00 nos. vide TMB P-39					
@Rs. 8920.02 each					Rs. 35,680=00
45/18 → Road Marking on B.T					
Surface do-all comp.					
174.40 m ² vide TMB P-39					
@Rs. 829.18/m ²					Rs. 1,44,608=00
46/19 → Road Marking on PCC					
do-all comp. job.					
60.00 m ² vide TMB P-39					
@Rs. 860.74/m ²					Rs. 51644=00
47/20 → Planting of trees & their					
maintenance for one					
year. do-all comp. job.					
88.00 nos. vide TMB P-39					
@Rs. 1290.07 each					Rs. 1,13,526=00
C.O					Rs. 1,18,81,175=00

