

प्रमाणित किया जाना है कि माथी
पत्र में मशीन लेकी 100 एचए है जिससे
सहायक अभियन्ता राजीव कारकिर्दी
कार्य शक प्रमोशन मधुबन के पदवी
से निर्धारित किया गया है


Executive Engineer
R.W.D. Division
19.1.24
1.1.24

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 _____

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				Contents of area
	No.	L.	B.	D.	
	1st on A/c Bill.				
N/w:→	consth. of road & C.D				
	work with five year fainth.				
	of Raghuraj Ray House				
	to bricks chinni bhata				
	under MGSY (NDB) Awash.				
Agency:→	M/s Dev Brothers consth.				
	AT- Bara Govind, P.O-				
	Barachakra, P.S-Chakra				
	East Champaran				
Agreement no:→	24 SBD / 2023-24				
D.O.S →	30.12.2023				
D.O.C →	29.12.2024				
D.O.CY →	30.12.2023 to 28.02.2024				
1) Clearing and grubbing road land					
- Do - all comp. job.					
	2X	5X	30X	3.00 =	900.00 M ²
	2X	5X	30X	3.00 =	900.00 "
	2X	5X	30X	3.00 =	900.00 "
	2X	5X	30X	3.00 =	900.00 "
	2X	5X	30X	3.00 =	900.00 "
	2X	5X	30X	3.00 =	900.00 "
	2X	5X	30X	3.00 =	900.00 "
	2X	5X	30X	3.00 =	900.00 "
Continuation					C.D = 6300.00 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2X	4X	30X	3.00 =	720.00 m ²
	2X	1X	5X	3.00 =	30.00 "
					750.00 m ²
				or, 0.71 Hq.	
2.) E/W in excavation for foundation					
- do - all comp. job.					
	2X	2X	6.45X	1.40X	1.65 = 59.598 m ³
	2X	1X	5.00X	1.53X	0.365 = 5.584 "
					65.183 m ³
3.) Providing PCC 1:1.5 in foundation					
- do - all comp. job.					
	2X	2X	6.45X	1.40X	0.15 = 5.418 m ³
	2X	1X	5.807X	1.53X	0.25 = 4.442 "
	2X	2X	0.275X	(0.25) ²	X 5.807 = 0.399 "
					10.259 m ³
4.) Providing and laying 4.0 culvert					
- do - all comp. job.					
		2X	3X	2.50 =	15.00 m
5.) Providing PCC 1:1.5 in head wall					
- do - all comp. job.					
	2X	2X	6.15X	0.825X	2.615 = 53.071 m ³
	2X	2X	6.15X	0.40X	0.60 = 5.904 "
less, 2X	2X	0.786X	(1.23) ²	X 0.622 =	12.958 "
					56.017 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6.) Painting on parapet wall					
-do- all comp. job.					
	2X	2X	6.15X	0.40	$= 9.84 \text{ m}^2$
	2X	4X	6.15X	0.60	$= 29.52 \text{ "}$
	2X	4X	0.40X	0.60	$= 1.92 \text{ "}$
					41.28 m^2
					Limit = 20.64 m^2
	1000 10/11/24			1500 10/11/24	
	J.E			ATG	
7.) Dismantling of existing masonry work					
-do- all comp. job.					
	2X	5X	0.60X	1.20	$= 7.20 \text{ m}^3$
	2X	7.5X	0.75X	2.00	$= 22.50 \text{ "}$
	4X	3X	1.25X	1.50	$= 22.50 \text{ "}$
	4X	3X	0.60X	1.50	$= 10.80 \text{ "}$
					63.00 m^3
8.) Dismantling of existing L/S					
-do- all comp. job.					
	1X	5X	2.50X	0.30	$= 3.75 \text{ m}^3$
	2X	5X	2.50X	0.30	$= 7.50 \text{ "}$
	2X	5X	2.50X	0.30	$= 7.50 \text{ "}$
					18.75 m^3
9.) Constn. Diversion					
-do- all comp. job.					
	1X	20X	6.50X	2.25	$= 292.50 \text{ m}^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10.) Excavation for roadway in					
Soil - do - all comp. job.					
	1X	7.80X	5.94X	1.07 =	49.58 M ³
	4X	2.65X	1.10X	1.07 =	12.48 "
	2X	7.84X	0.79X	0.78 =	9.66 "
	2X	7.84X	1.50X	0.80 =	18.81 "
					90.53 M ³
11.) Pcc in open foundation					
- do - all comp. job.					
	1X	8.772X	5.94X	0.15 =	7.82 M ³
	2X	6.272X	1.10X	0.15 =	2.07 "
					9.89 M ³
12.) Furnishing and Placing Rcc					
- do - all comp. job.					
	1X	7.50X	5.64X	0.42 =	17.77 M ³
	4X	2.50X	1.10X	0.42 =	4.62 "
	2X	7.84X	0.79X	0.78 =	9.66 "
	4X	7.50X	0.075X	0.15 =	0.34 "
	2X	7.50X	0.42X	2.50 =	15.75 "
	1X	7.50X	3.84X	0.37 =	10.66 "
	4X	3.50X	0.30X	0.40 =	1.68 "
	4X	2.75X	3.00X	0.40 =	13.20 "
	2X	10.84X	0.40X	0.90 =	7.80 "
					81.48 M ³
13.) Supplying, fitting and placing					
steel reinforcement complete in					

Continuation

Continuation

$$C.O = 1350.004^3$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F =	1350.40 ¹⁴
	1X	27X	6.00X	0.300 =	48.60 "
				=	1398.60 ¹⁴
	Area 25/01/14 T.E			Area AE	

19.) const. of Embankment with					
Material obtained from borrow					
Det from G/W Quantity sheet					
CH	Area	Mean area	Dist.	Volume	
0	0.656	-	-	-	
50	0.173	0.415	50	20.725 ¹⁴	

100	0.247	0.210	50	10.500 "
150	0.231	0.239	50	11.950 "
200	0.281	0.256	50	12.800 "
250	0.225	0.253	50	12.650 "
300	0.605	0.415	50	20.750 "
350	0.430	0.518	50	25.875 "
400	0.916	0.673	50	33.650 "
450	0.508	0.712	50	35.600 "
500	1.029	0.769	50	38.425 "
550	0.443	0.736	50	36.800 "
600	0.959	0.701	50	35.050 "
650	1.008	0.984	50	49.175 "
700	0.788	0.898	50	44.900 "
			C.O =	388.85 ¹⁴

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist	volume	
			B.f =	388.854	m^3
750	0.355	0.572	50	28.575	"
800	0.923	0.639	50	31.950	"
850	0.996	0.960	50	47.975	"
900	1.315	1.156	50	57.775	"
950	0.636	0.976	50	48.775	"
1000	1.366	1.001	50	50.050	"
1050	1.026	1.196	50	59.800	"
1100	0.845	0.936	50	46.775	"
1150	0.909	0.877	50	43.850	"
1175	1.166	1.038	25	25.938	"
Total =				830.313	m^3
19.(A). consth. of Embankment lead up					
to 1000m Do-all comp. job.					
60% of 830.313 m^3 =				498.194	m^3
19.(B). consth. of Embankment lead up					
to 100m Do-all comp. job.					
40% of 830.313 m^3 =				332.134	m^3
<u>31/01/24</u> J.E <u>31/01/24</u> A.E					
20.) Box cutting Do-all comp. job.					
2X	3X	30X	0.775X	0.100X	13.954 m^3
2X	1X	5X	0.775X	0.100X	0.78 "
					14.734 m^3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21. > constn. of GSB					
-do- all comp. job.					
2x 3x 30x			0.775x	0.100	13.954
2x 1x 5x			0.775x	0.100	0.78 "
		9.50x	2.50x	0.100	2.38 "
		5x 30x	3.75x	0.100	56.25 "
		5x 30x	3.75x	0.100	56.25 "
		6x 30x	3.75x	0.100	2.25 "
7x		$(\frac{9.30 + 4.05}{2})x$		0.200	9.345 "
		5x 30x	4.05x	0.200	121.50 "
		5x 30x	4.05x	0.200	121.50 "
2x 9x		$(\frac{7.50 + 4.05}{2})x$		0.200	20.79 "
		5x 30x	4.05x	0.200	121.50 "
		5x 30x	4.05x	0.200	121.50 "
10x		$(\frac{7.00 + 4.05}{2})x$		0.200	11.05 "
		4x 30x	4.05x	0.200	97.20 "
		1x 22x	4.05x	0.200	17.82 "
					774.0654 ³
22. > providing, laying, spreading and compacting of W.B.M. G.R-II					
-do- all comp. job.					
5x 30x			3.75x	0.075	42.1874 ³
5x 30x			3.75x	0.075	42.187 "

Continuation

C.O = 84.3744³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F =	84.	37443
2X 30X 3.75X			0.075	1.69	"
7X (19.30 + 3.75) / 2			X 0.075 =	3.426	"
5X 30X 3.75X			0.075 =	42.187	"
5X 30X 3.75X			0.075 =	42.187	"
2X 9X (7.00 + 3.75) / 2			X 0.075 =	7.256	"
5X 30X 3.75X			0.075 =	42.187	"
5X 30X 3.75X			0.075 =	42.187	"
10X (7.00 + 3.75) / 2			X 0.075 =	4.031	"
5X 30X 3.75X			0.075 =	42.187	"
2X 30X 3.75X			0.075 =	16.875	"
1X 27X 3.75X			0.075 =	7.594	"
				336.181	43
23. > const. of P.C.C					
- do - all comp. job.					
5X 30X 3.75X			0.160 =	90.00	43
5X 30X 3.75X			0.160 =	90.00	"
6X 3.75X			0.160 =	3.60	"
				183.60	43

Continuation

[illegible]

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	1.5	7,828.47	=00
7/36 > Dismantling of existing masonry work - Do all.					
63.00 m ³ wide TMB P-03					
@ Rs. 319.490/m ³ -			Rs.	20,127	=00
8/37 > Dismantling of existing					
for Do-all comp. job.					
18.75 m ³ wide TMB P-03					
@ Rs. 1579.99/m ³ -			Rs.	29,624	=00
9/42 > Const ⁿ of diversion					
- Do-all comp. job.					
292.50 m ³ wide TMB P-03					
@ Rs. 174.52/m ³ -			Rs.	51,047	=00
10/27 > Excavation for roadway					
20 soil - Do-all comp.					
90.53 m ³ wide TMB P-04					
@ Rs. 391.73/m ³ -			Rs.	35,463	=00
11/28 > PCC 20 open bottom					
- Do-all comp. job.					
9.89 m ³ wide TMB P-04					
@ Rs. 8006.27/m ³ -			Rs.	79,182	=00
12/29 > furnishing and placing RCC					
- Do-all comp. job.					
81.48 m ³ wide TMB P-04					
@ Rs. 9783.95/m ³ -			Rs.	7,97,196	=00
		CO	Rs.	17,95,486	=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.F				17.95	486=00
13/30 > Placing Steel reinforcement					
— do — all comp. job.					
5.15 tonn vide TMB P-05					
@ Rs. 79978.98/tonn				4.11	891=00
14/31 > Providing weep hole					
— do — all comp. job.					
44.00 nos. vide TMB P-05					
@ Rs. 93.980 each				4.135	=00
15/32 > Backfilling behind					
Abutment — do — all comp.					
50.25 m ³ vide TMB P-05					
@ Rs. 996.73/m ³				5.0085	=00
16/33 > Providing filter cloth					
— do — all comp. job.					
20.10 m ³ vide TMB P-05					
@ Rs. 4227.42/m ³				84.971	=00
17/34 > Painting on parapet wall					
— do — all comp. job.					
25.288 m ² vide TMB P-05					
@ Rs. 124.69/m ²				3.153	=00
18/06 > constn. of Subgrade					
— do — all comp. job.					
1398.60 m ³ vide TMB P-06					
@ Rs. 264.42/m ³				3.69817	=00
C.O				27.19	538=00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.f		27.19	538=00
19A) consth. of Embankment					
05					
lead up to 1000m - do - all					
comp. job.					
498.19 M ³ vide TMB P-07					
@ Rs. 259.62/M ³					Rs. 1,29,340=00
19(B) > consth. of Embankment					
04					
lead up to 100m - do - all					
comp. job.					
332.13 M ³ vide TMB P-07					
@ Rs. 174.52/M ³					Rs. 57,963=00
20 > Box cutting - do - all					
03					
comp. job.					
14.73 M ³ vide TMB P-07					
@ Rs. 103.96/M ³					Rs. 1531=00
21 > consth. of GSB					
07					
- do - all comp. job.					
774.06 M ³ vide TMB P-08					
@ Rs. 3679.34/M ³					Rs. 28,48,048=00
22 > providing, laying, spreading					
08					
W.B. Gr. II - do - all					
comp. job.					
336.18 M ³ vide TMB P-09					
@ Rs. 5067.78/M ³					Rs. 17,03,691=00
C.O					Rs. 74,60,111=00

Continuation

