

પ્રમાણિત કરવામાં આવેલ
દેવિ માપી પ્રકાર મેં કરાવેલ
કેવી ન 100 પૂર્વે દેવિ છે -
પ્રદાન કરાવેલ R.W.D.
મધુબન બે 46 નામ છે નિર્ધાર
કિયા ગયા છે


Executive Engineer
RWD Works Division
P. J. Pakridayal
15/7/20

Sch. XLV - Form No. 134

PAKRIDAYAL DIVISION
MADHUBAN SUB-DIVISION

Measurement Book

No.

1392

Name _____

Date of first entry _____

Date of last entry _____

Name of Work-
 Situation of Work-
 Agency by which work is executed-
 Date of Measurement-
 No. and date of agreement

1

(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:-	Constn. of road & c.d work				
	with five year maintenance				
	of Madhuban Prakhari				
	Antegat Rupani Panchayat				
	Ke Inarwa Lyaon Ke Mahadal				
	Basti Ke Path Nirman Kary				
	under - MGSY (GEM)				
Agency:-	Ramakant Singh.				
	At + P.O:- Krishna Nagar.				
	Madhuban, East Champaran.				
Agreement no	→ 12 SBD/2022-23				
D.O.S	→ 27.09.2022				
D.O. C	→ 26.09.2023				
D.O. M	→ 24.09.2023				
1.)	Providing and fixing MGSY				
	informatory sign board - do - all				
	comp. job. → 2.0 no.				
2.)	constn. of reference and				
	working benchmark - do - all comp → 2.32 km				
3.)	Constn. of reference pillar				
	- do - all comp. job → 2.32 km				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4.) clearing and grubbing road land	-do- all comp. job.				
	2X	10X	30.00X	1.50	=900.00 m ²
	2X	10X	30.00X	1.50	=900.00 m ²
	2X	10X	30.00X	1.50	=900.00 "
	2X	10X	30.00X	1.50	=900.00 "
	2X	10X	30.00X	1.50	=900.00 "
	2X	10X	30.00X	1.50	=900.00 "
	2X	10X	30.00X	1.50	=900.00 "
	2X	5X	30.00X	1.50	=450.00 "
	2X	2X	30.00X	1.50	=180.00 "
	2X	1X	30.00X	1.50	=15.00 "
					6945.00 m ²
					or, 0.69 Ha.
5.) 120x cutting in roadway	-do- all comp. job.				
	2X	10X	30.00X	0.525X 0.100	=31.50 m ³
	2X	10X	30.00X	0.525X 0.100	=31.50 "
	2X	5X	30.00X	0.525X 0.100	=15.75 "
	2X	3X	30.00X	0.525X 0.100	=9.45 "
	2X	10X	30.00X	0.375X 0.100	=22.50 "
	2X	10X	30.00X	0.375X 0.100	=22.50 "
	2X	5X	30.00X	0.375X 0.100	=11.25 "
					144.45 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. Constn. of G.S. B					
Do all comp. job.					
2x 10x 30.00x0.525x0.100					= 31.50 m ³
2x 10x 30.00x0.525x0.100					= 31.50 "
2x 5x 30.00x0.525x0.100					= 15.75 "
2x 3x 30.00x0.525x0.100					= 9.45 "
2x 10x 30.00x0.375x0.100					= 22.50 "
2x 10x 30.00x0.375x0.100					= 22.50 "
2x 5x 30.00x0.375x0.100					= 11.25 "
10x $(\frac{0.40+4.05}{2}) \times 0.100$					= 7.225 "
10x 30.00x4.05x0.100					= 121.50 "
10x 30.00x4.05x0.100					= 121.50 "
7x $(\frac{11.00+4.05}{2}) \times 0.100$					= 5.26 "
5x 30.00x4.05x0.100					= 60.75 "
2x 30.00x4.05x0.100					= 24.30 "
1x 13.00x4.05x0.100					= 5.26 "
5x $(\frac{18.80+4.05}{2}) \times 0.200$					= 6.425 "
10x 30.00x4.05x0.200					= 243.00 "
5x 30.00x4.05x0.200					= 121.50 "
4x 30.00x4.05x0.200					= 97.20 "
5x 30.00x3.75x0.100					= 56.25 "
Extra for leveling & Pot Repair.					
16x 5.00x1.90x0.100					= 15.20 "
13x 9.00x2.00x0.100					= 23.40 "
					1053.22 m ³
			Limit		= 1044.81 m ³

10/08/23
J.E

Continuation
10/08/23
A.E

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7.7) Providing and laying					
work for 100 - 20 - all comp.					
	10	$(10.40 + 3.75) \times \frac{2}{2}$	0.075		5.306 m ³
	10	30.00	3.75	0.075	84.375 "
	10	30.00	3.75	0.075	84.375 "
	7	$(11.00 + 3.75) \times \frac{2}{2}$	0.075		3.871 "
	10	30.00	3.75	0.075	84.375 "
	10	30.00	3.75	0.075	84.375 "
	5	$(8.80 + 3.75) \times \frac{2}{2}$	0.075		2.353 "
	5	30.00	3.75	0.075	42.187 "
	1	30.00	3.75	0.075	8.437 "
	1	13.00	3.75	0.075	3.656 "
	10	30.00	3.75	0.075	84.375 "
					487.685 m ³
					28.375 "
					28.375 "
					28.375 "
					28.375 "
8.7) Constn. of sub-grade & Earthen					
shoulder - 20 - all comp. job.					
	10	30.00	6.00	0.300	540.00 m ³
	5	30.00	6.00	0.300	270.00 "
	4	30.00	6.00	0.300	216.00 "
	1	3.00	6.00	0.300	5.40 "
	2	10	30.00	1.49	0.200 = 178.80 "
				C.O	1210.20 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist	Volume	
			B.P	→ 218	600 m ³
150	1.888	2.049	50.00	102	425 "
200	2.397	2.143	50.00	107	125 "
250	3.386	2.892	50.00	144	575 "
300	1.925	2.656	50.00	132	775 "
350	2.182	2.054	50.00	102	675 "
400	2.096	2.139	50.00	106	950 "
450	0.229	1.163	50.00	58	125 "
500	0.135	0.182	50.00	9	100 "
550	0.127	0.131	50.00	6	550 "
600	0.166	0.147	50.00	7	325 "
650	0.160	0.163	50.00	8	150 "
700	0.223	0.192	50.00	9	575 "
750	0.157	0.190	50.00	9	500 "
800	0.242	0.200	50.00	9	975 "
850	0.185	0.214	50.00	10	675 "
900	0.115	0.150	50.00	7	500 "
950	0.142	0.129	50.00	6	425 "
1000	0.157	0.150	50.00	7	475 "
1050	0.105	0.131	50.00	6	550 "
1100	0.197	0.151	50.00	7	550 "
1150	0.176	0.187	50.00	9	325 "
1200	1.040	0.608	50.00	30	400 "
1250	0.925	0.983	50.00	49	125 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area	Mean area	Dist	Volume	
			B.P.		
1300	1.976	1.451	50.00	72.	525 1/3
1350	2.160	2.068	50.00	103.	400 "
1400	2.150	2.155	50.00	107.	750 "
1450	1.380	1.765	50.00	88.	250 "
1500	1.427	1.404	50.00	70.	175 "
1550	1.648	1.538	50.00	76.	875 "
1600	1.049	1.349	50.00	67.	425 "
1650	0.793	0.921	50.00	46.	050 "
1700	1.501	1.147	50.00	57.	350 "
1750	1.241	1.371	50.00	68.	550 "
1800	1.822	1.532	50.00	76.	575 "
1850	1.731	1.777	50.00	88.	825 "
1900	2.140	1.936	50.00	96.	775 "
1950	1.940	2.040	50.00	102.	000 "
2000	2.023	1.982	50.00	99.	075 "
2050	1.974	1.999	50.00	99.	925 "
2100	2.326	2.150	50.00	107.	500 "
2150	1.822	2.074	50.00	103.	700 "
2200	2.353	2.088	50.00	104.	375 "
2250	1.929	2.141	50.00	107.	050 "
2300	1.924	1.927	50.00	96.	325 "
2315	2.239	2.082	15.00	31.	223 "
				3040.	148 1/3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
A.) constn. of Embankment					
with Material obtained					
from Borrow pit lead upto					
1000m - do - all comp. job.					
30% of Qty. 3040.148 m^3					
					$\rightarrow 912.045 \text{ m}^3$
B.) constn. of Embankment					
with Material obtained					
from Borrow pit lead					
upto 100m - do - all					
comp. job					
70% of Qty. 3040.148 m^3					
					$\rightarrow 2128.104 \text{ m}^3$
27/08/23	27/08/23				
JE	AE				
10.) E/W in Excavation for foundation					
- do - all comp. job.					
2x 2x $6.45 \times 1.55 \times 1.675 = 66.98 \text{ m}^3$					
2x 1x $5.00 \times 1.53 \times 0.54 = 8.262$					
					75.242 m^3
11.) Sand filling in foundation					
- do - all comp. job.					
2x 2x $6.45 \times 1.55 \times 0.100 = 3.999 \text{ m}^3$					
2x 1x $5.593 \times 1.53 \times 0.100 = 1.711$					
					5.710 m^3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12. > Brick flat soling in found					
-do- all comp. job.					
2x 2x 6.45x1.55					= 39.93 m ²
2x 1x 5.65x1.53					= 17.30 "
					57.29 m ²
13. > P.C.C 1:1.5 in found					
-do- all comp. job.					
2x 2x 6.30x1.40x0.150					= 5.292 m ³
2x 1x 5.76x1.53x0.55					= 9.704 "
2x 0.188x $\frac{22}{7}$ x $\frac{1}{4}$ x (1.23)					= 5.955 (2.662)
					12.334 m ³
14. > B/w in C.M (1:4) in head over					
-do- all comp. job.					
2x 2x 6.15x0.825x2.465					= 50.027 m ³
2x 2x 6.15x0.40x0.60					= 5.904 "
less, 2x 2x $\frac{22}{7}$ x $\frac{1}{4}$ x (1.23) x 0.612					= 2.900 "
					53.031 m ³
15. > Providing and laying 1000mm dia R.C.C pipe NF-3 -do- all comp.					
2x 3x 2.50					= 15.00 m
16. > Plastering with C.M (1:4) on B/w					
-do- all comp. job.					
2x 2x 6.15x1.83					= 45.018 m ²
2x 2x 6.15x0.60					= 14.76 "
2x 2x 6.15x0.40					= 9.84 "
					69.618 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST.</u>					
1. 22) Providing and fixing 4MGSY informatry sign board					
-do- all comp. job.					
2.00 no. wide TMB P-01					
@Rs. 12771.69 each				Rs.	25,543=00
2. 01) constn. of reference & working Benchmarks					
-do- all comp. job.					
2.32 KM wide TMB P-01					
@Rs. 5114.98/KM				Rs.	11,866=00
3. 02) constn. of reference pillar					
-do- all comp. job.					
2.32 KM wide TMB P-01					
@Rs. 2713.99/KM				Rs.	6296=00
4. 03) Clearing and grubbing road land -do- all comp					
0.69 Ha. wide TMB P-02					
@Rs. 52970.34/Ha				Rs.	36,549=00
5. 07) Box cutting in roadway					
-do- all comp. job.					
144.45 M ³ wide TMB P-02					
@Rs. 75.57/M ³				Rs.	10,916=00
6. 09) constn. of G.S.B					
-do- all comp. job.					
		C.O		Rs.	91,170=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.P		Rs.	91,170.50
1044.81 m^3 vide TMB P-03					
@ Rs. 2636/- m^3				Rs. 27,	55,069.00
07/10 Provisioning and laying					
WBM 4/11-20-all					
comp. job.					
487.685 m^3 vide TMB P-04					
@ Rs. 3248.31 m^3				Rs. 15,	84,152.00
08/15 Constn. of Subgrade					
- do - all comp. job.					
2149.603 m^3 vide TMB P-05					
@ Rs. 191.76 m^3				Rs. 4,	12,207.00
09/04 Constn. of Embankment					
lead up to 1000m - do - all					
912.045 m^3 vide TMB P-06, item(A)					
@ Rs. 190.07 m^3				Rs. 1,	73,352.00
10/06 Constn. of Embankment					
lead up to 100m - do - all.					
2128.104 m^3 vide TMB P-08, item(B)					
@ Rs. 153.78 m^3				Rs. 3,	27,259.00
11/31 E/W 20 excavation for					
foundn - do - all comp.					
75.242 m^3 vide TMB P-08, item-10					
@ Rs. 279.09 m^3				Rs.	20,999.00
C.O				Rs.	53,64,208.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F		Rs. 53	64,208.00
12 > Sand filling in foundation 32					
- Do - all comp. job.					
5.710 M ³ vide TMB P-08, item-11					
@ Rs. 442.50/M ³				Rs.	2526.00
13 > Brick flat footing in foundation 33					
- Do - all comp. job.					
7.29 M ² vide TMB P-09, item-12					
@ Rs. 294.05/M ²				Rs.	16,846.00
14 > R.C.C M-15 in foundation 34					
- Do - all comp. job.					
2.33 M ³ vide TMB P-09, item-13					
@ Rs. 5477.87/M ³				Rs.	67,542.00
15 > Providing 1000mm Dia. M.P. 35					
- Do - all comp. job.					
15.000 vide TMB P-09, item-15					
@ Rs. 3977.66/M				Rs.	59,664.00
16 > B/W in C.M (1:4) in head 35					
Wall - Do - all comp.					
53.031 M ³ vide TMB P-09, item-14					
@ Rs. 5579.15/M ³				Rs. 2,	95,867.00
17 > Plastering with C.M (1:4) 37					
- Do - all comp. job.					
72.805 M ² vide TMB P-10, item-16					
@ Rs. 173.06/M ²				Rs.	12,599.00
		C.O		Rs. 58,	19,252.00

Continuation

