

N/Scheme: - Lalumathra to 2047

Length: - 1.450

Mmbsy NDB Bricks - 04

Schedule XLV Form No. 134.

N/cont: - Baidy Math Mmbsy India Pvt Ltd.

Appo: - 05/5BD/2021-22

DIVISION

SUB-DIVISION

21310 - 31/10/21 - 11/21/61

Measurement Book

M.B No: - 1237

1.

Name of work -

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

1st on A/C

Name of Work - Constn & 5th year -

Maints of road from

Lali Mathiya to Lo47

In Madhurki Block,

Under MOWSY (NDR)

Name of Agency - Brijmohi Hirman India Pvt

Ltd. Gandhi Maidan Jaipur

Agreement No - 05/53/2021-22

Date of start - 09-06-2022

Date of Completion - 08-06-2022

Measurement

1. Setting out of reference G.P.

1.450 Km.

2. Clearing & grubbing of

road land - - G.P.

 $2.2 \times 2.50 \times 3.20 \text{ m} = 4.550 \text{ m}^2$ $\approx 0.455 \text{ Hec.}$

3. Constn of embankment -

with materials - - G.P.

CH	Distance (m)	Area (m ²)	Mean Area (m ²)	Volume (m ³)
0	-	3.624	-	-
25	25	3.672	3.400	84.98 m ³
50	25	3.600	3.638	90.93 m ³

 $= 175.91 \text{ m}^3$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Bf =	175.91m ²
75	25	3.704	3.652		91.30
100	25	3.669	3.687		92.16
125	25	3.720	3.698		92.43
150	25	3.641	3.685		92.12
175	25	3.659	3.652		91.28
200	25	3.537	3.598		89.95
225	25	3.576	3.557		88.91
250	25	3.477	3.527		88.16
275	25	3.662	3.570		89.23
300	25	3.709	3.686		92.13
325	25	3.737	3.723		93.07
350	25	3.626	3.682		92.03

375	25	3.744	3.685		92.12
400	25	3.723	3.734		93.33
425	25	3.730	3.728		93.18
450	25	3.602	3.657		91.67
475	25	3.640	3.621		90.52
500	25	3.539	3.590		89.73
525	25	2.826	3.183		79.56
550	25	2.036	2.431		60.77
575	25	2.052	2.044		51.10
600	25	1.960	2.006		50.15
625	25	2.046	2.003		50.07
650	25	2.026	2.036		50.90
675	25	1.992	2.009		50.22
700	25	1.851	1.992		48.03

Continuation

= 2260.03m²

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF-2	260.03m
725	25	2.698	2.275		56.86
750	25	2.485	2.592		64.78
775	25	2.697	2.591		64.77
800	25	2.771	2.734		68.35
825	25	2.836	2.804		70.08
850	25	2.760	2.798		69.95
875	25	2.848	2.804		70.10
900	25	3.795	3.322		83.03
925	25	3.71	3.753		93.81
950	25	3.488	3.299		89.97
975	25	3.604	3.546		88.65
1000	25	3.523	3.594		89.83
1025	25	3.776	3.680		91.98
1050	25	3.830	3.803		92.07
1075	25	3.862	3.846		96.15
1100	25	3.755	3.809		95.21
1125	25	3.845	3.800		95.00
1150	25	3.797	3.821		95.52
1175	25	3.740	3.769		95.38
2.00 Link	25	2.083	—	—	—
1225	25	1.985	2.034		50.85
1250	25	2.205	2.095		52.37
1275	25	2.099	2.152		53.80
1300	25	2.185	2.142		53.55
1325	25	2.163	2.173		54.35

Continuation = 4079.44m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF	
1150	25	2.233	2.198		54.95
1165	25	2.195	2.214		33.21
1179	25				= 4156.0 m ³
1185	25				= 4167.60 m ³
1190	25				
Deduction for earth					
Subgrade					
38x25x0x7.50x0.30	2				2137.50 m ³
38x25x0x0.07x0.20	2				406.00 m ³
Rigid - 2x 8x25x0x0.95x0.10	2				38.00 m ³
					= 2581.50 m ³
					= 1586.10 m ³

(a) Lead up to 1000 m

$$1586.10 \text{ m}^3 \times 0.30 = 475.83 \text{ m}^3$$

(b) Lead up to 100 m

$$1586.10 \times 0.10 = 158.61 \text{ m}^3$$

4. Construct subgrade with

Shoulders

38x25x0x7.50x0.30	2				2137.50 m ³
2x 38x25x0x0.07x0.20	2				406.00 m ³
2x 8x25x0x0.95x0.10	2				38.00 m ³
					= 2581.50 m ³
					= 2581.50 m ³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5. Constant G.S.B. with -					
Well graded - - -				6.7	
	38	25.00	4.05	0.20	1.00
					769.50 m ³
					= 769.50 m ³
6. Constant G.S.B. with					
Well graded - - -				6.7	
	8	25.00	3.75	0.10	2
					75.00 m ³
					= 75.00 m ³
7. Excavation Excavation in ft/m					
and trench - - -				6.7	
for 60 mm H.P.					
2x 4.5	1.40	1.47	2		17.08 m ³
1x 5.75	1.00	0.25	2		1.46 m ³
					18.52 m ³
					= 18.52 m ³
8. Constant concrete for plain					
Reinforced concrete - - -				6.7	
2x 3.80	1.40	0.15	2		1.59 m ³
1x 5.75	1.00	0.25	2		1.46 m ³
					3.03 m ³
					= 3.03 m ³
9. Brick masonry work					
with cement - - -				6.7	
1x 3.50	1.15	0.50	2	1.95	5.63 m ³
1x 3.50	0.40	0.60	2		0.84 m ³
1x 3.70	1.15	0.50	2	1.95	5.95 m ³
1x 3.70	0.40	0.60	2		0.88 m ³
Extra - 1x 3.70	0.25	0.15	2		13.30 m ³
					= 0.14 m ³
					13.44 m ³
Less for H.P.					
2x 4.5	0.65	0.65	2		0.41 m ³
					13.03 m ³

Continuation

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Part	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10. Pro. & laying of Hump					
of 600 mm					
	3	2.50	2.75	50m	
11. Plastering with cement					
	2	3.50	1.100		7.70m ²
	2	3.70	1.100		8.14m ²
	4	0.40	0.60		0.96m ²
	1	3.50	0.90		1.40m ²
	1	3.70	0.40		1.48m ²
	1	3.50	0.60		2.10m ²
	1	3.70	0.60		2.22m ²
					24.00m ²
	2	24.00m ²			

12. Excavation for
ditch trenches — 62
for 1000 mm HP-4405

4	2	6.45	1.40	1.50	108.36m ³
4	1	5.78	1.50	0.25	8.67m ³
					117.03m ³

13. PCC concrete for plain Rein
forced cement — 62

4	2	6.45	1.40	0.15	10.83m ³
4	1	5.78	1.50	0.25	8.67m ³
					19.50m ³

14. Brick masonry work — 62

4	2	6.20	1.10	0.60	2.40	101.18m ³
4	2	6.20	0.40	0.60		11.90m ³

Less for HP-4405 (1.20) 2 x 0.61 = 113.08m³
Continuation
= 107.56m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15. Proc. and laying Hum pipe					
at N/B of 1000 mm - 62					
4x 3x 2.50 = 30.00 m					
= 30.00 m					
16. Plestering with area - 11					
4x 2x 6.20x 1.10 = 54.56 m ²					
4x 2x 6.20x 0.40 = 19.84 m ²					
4x 2x 6.20x 0.60 = 29.76 m ²					
4x 4x 0.40x 0.60 = 3.84 m ²					
					= 108.00 m ²
4x 2x 6.20x 0.60 = 29.76 m²					29.76 m²
					137.76 m²
= 137.76 m ²					

17. Proc. and laying of typical at					
mm (area) - - - 62					
1 Hps.					
29/04/2022					
29/04/2022					

Material Statement

① Eps. ckt	-	4303.15 m ³
② Stone metal	-	647.57 m ³
③ Coarse Sand	-	422.59 m ³
④ Stone chips	-	20.28 m ³
⑤ Coarse Sand	-	71.15 m ³
⑥ Agri ckt	-	60.295 Hps.
⑦ Hum pipe - 60 mm	-	7.50 m
⑧ Hum pipe - 100 mm	-	30.00 m

Continuation
29/04/2022
JE

29/04/2022

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Abstract of work				
1. Setting out & fixing of Bench mark. — — —					
	Vidertan No 1/PM 1.				
	1.45 Hec	10877.67/m	—	—	15773 ⁰⁰
2. Clearing and grubbing of road land — — —					
	Vidertan No 2/PM 1				
	0.45 Hec	52970.38/m	—	—	24102 ⁰⁰
3. Construct embankment with materials — —					
	Vidertan No 3 (a) PM 4				
	475.80 m ³	222.60/m ³	—	—	105920 ⁰⁰
4. Construct embankment with materials — —					
	Vidertan No 3 (b) PM 4				
	1110.27 m ³	184.86/m ³	—	—	205245 ⁰⁰
5. Construct Sub grade with well graded soil — —					
	Vidertan No 4 PM 4				
	2581.50 m ³	220.58/m ³	—	—	569427 ⁰⁰
6. Construct G. S. B with well graded stone — —					
	Vidertan No 5 PM 5				
	769.50 m ³	—	—	—	
	Vidertan No 6 PM 5				
	75.00 m ³	—	—	—	
	844.50 m ³	2404.22/m ³	—	—	203036 ⁰⁰
					295083 ⁰⁰

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BPF 29	50,831m
7. E/Work in concrete for fally trenches - - - 61					
18.52m ³ Vide item No 7 PM-5					
117.03m ³ Vide item No 12 PM-6					
135.55m ³ 305.42/m ³ = ₹ 41400.00					
8. Pro. Concrete for plain Rein forced concrete - - - 82					
3.03m ³ Vide item No 8 PM-5					
19.50m ³ Vide item No 13 PM-6					
23.53m ³ 22.85m ³ 48.51/m ³ = ₹ 110847.00					
9. Brick Masonry work with cement - - - 82					
13.03m ³ Vide item No 9 PM-5					
107.56m ³ Vide item No 14 PM-6					
120.29m ³ 5719.68/m ³ = ₹ 6,89,736.00					
10. Pro. Laying Hume pipe of 600mm ϕ - - - 61					
7.50m Vide item No 10 PM-6					
7.50m 2658.52/m = ₹ 1,99,392.00					
11. Pro. Laying Hume pipe of 1000mm ϕ - - - 61					
30.00m Vide item No 15 PM-7					
30.00m 3779.08/m = ₹ 1,13,372.00					
12. Plastering with cement 61					
24.00m ² Vide item No 11 PM-6					
137.76m ² Vide item No 16 PM-7					
161.76m ² 152.54m ² 100.17/m ² = ₹ 15,280.00					

Continuation ₹ 3,94,140.50

[illegible]

Continuation