

M/scheme - Rajichayc to 1021

length - 4.280 km

Mmbusy NDB Boicles

03

Schedule XLV Form No. 134.

N/cont: - Baigraath Nizaman India Pr 44)

Agno: - 05/5BD/2024-22

kers - 1.11.1. below

DIVISION

~~2110-34110~~ - ~~21116~~

SUB-DIVISION

Measurement Book

M.B No: - 1236

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 Kajichak to				
		Lal in Masayati Block				
		Under M.M.G.S.Y (NDB)				
Name of Agency - Brij Nath Mishra Indk						
		Pvt. Ltd.				
		Gandhi Maidan				
		Jahangabad				
Agreement No - 02/S.B.D/2021-2022						
Date of Start - 09-06-2022						
Date of Completion - 08-06-2022						
Measurement						
1. Setting out of reference						
		and B.M. - 62				
		1.280 Km				
2. Clearing & grubbing of road						
		Land with - 1 - 62				
		$51 \times 25.00 \times 3.50 = 44.625 \text{ m}^2$				
		$1 \times 5.00 \times 3.50 = 17.50 \text{ m}^2$				
		$= 0.448 \text{ Hec}$				
3. Excavation of earthwork E.P.						
		$2 \times 37 \times 25.00 \times 0.525 \times 0.10 = 97.12 \text{ m}^3$				
		$= 97.12 \text{ m}^3$				

Continuation

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Station No.	Details of actual measurement			Contents of area
	No.	L	B	

4. Control embankment

approach Soil - G.I.

Ch.	Distance (m)	Area (m ²)	Mean Area (m ²)	Volume (m ³)
0	-	3.747	-	-
25	25	3.777	3.762	94.05
50	25	3.723	3.750	93.75
75	25	3.729	3.726	93.15
100	25	3.799	3.764	94.10
125	25	3.634	3.717	92.97
150	25	3.520	3.727	93.17
175	25	3.660	3.740	93.50
200	25	3.911	3.786	94.63
225	25	3.754	3.833	95.81

250	25	3.753	3.757	93.83
275	25	3.863	3.808	95.20
300	25	3.520	3.722	93.03
325	25	3.851	3.716	92.88
350	25	3.606	3.729	93.21
375	25	3.895	3.751	93.76
400	25	3.852	3.873	96.82
425	25	3.683	3.767	94.17
450	25	3.975	3.829	95.72
475	25	3.699	3.837	95.92
500	25	3.784	3.742	93.53
525	25	3.809	3.797	94.91
550	25	3.565	3.687	92.17
575	25	3.817	3.691	92.27

Continuation = 2162.49 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			13f	= 2	162.49m ³
600	25	3.662	3.740		93.48
625	25	3.848	3.755		93.87
650	25	3.926	3.887		97.17
675	25	3.589	3.758		93.93
700	25	3.997	3.793		94.82
725	25	3.725	3.861		96.52
750	25	3.874	3.800		94.98
775	25	3.833	3.854		96.35
780	5	3.874	3.854		19.27
780				= 2	942.88m ³
0	-	3.584	-	-	-
25	25	3.757	3.661		91.52
50	25	3.595	3.677		91.92
75	25	3.848	3.722		93.03
100	25	3.926	3.887		97.17
125	25	3.589	3.758		93.93
150	25	3.997	3.793		94.82
175	25	3.725	3.861		96.52
200	25	3.874	3.800		94.98
225	25	3.833	3.854		96.35
250	25	3.584	3.699		92.46
275	25	3.757	3.662		91.53
300	25	3.595	3.677		91.92
325	25	3.848	3.722		93.03 93.03
350	25	3.926	3.887		97.17
375	25	3.589	3.758		93.93

Continuation

4353.14m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BF	= 4	353.14m
400	25	3.997	3.793		94.82
425	25	3.725	3.861		96.52
450	25	3.874	3.800		94.98
475	25	3.833	3.857		96.33
500	25	3.564	3.899		92.46
520	20	3.759	3.662		73.23
					= 4901.48m ³

Deductions for Subgrade -

$$2 \times 52 \times 25 \times 0.075 \times 0.20 = 559.00 \text{ m}^3$$

$$= 4342.48 \text{ m}^3$$

Deductions for G.S.R.

$$14 \times 25 \times 0.05 \times 0.20 = 283.50 \text{ m}^3$$

$$3 \times 25 \times 0.05 \times 0.10 = 285.00 \text{ m}^3$$

$$2 \times 38 \times 25 \times 0.0525 \times 0.20 = 199.50 \text{ m}^3$$

$$32 \times 2.75 \times 3.0 \times 0.10 = 26.40 \text{ m}^3$$

$$= 794.40 \text{ m}^3$$

$$= 3548.08 \text{ m}^3$$

(a) Lead up to 1000 m -

$$3548.08 \times 0.30 = 1064.42 \text{ m}^3$$

(b) Lead up to 100 m -

$$3548.08 \times 0.70 = 2483.66 \text{ m}^3$$

2. Construct earthen sub

grade with - - -

$$2 \times 52 \times 25 \times 0.075 \times 0.20 = 559.00$$

$$= 559.00 \text{ m}^3$$

Total C to -

03/03/2022 Continuation

Dy. Comm

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. Constn of G. S. Buil					
wall galled - - -					
2x 2.75x 3.00x 0.10 =					26.40 m ³
14x 2.50x 4.05x 0.20 =					283.50 m ³
38x 2.50x 3.00x 0.10 =					285.00 m ³
2x 38x 2.50x 0.525x 0.20 =					199.50 m ³
					= 794.40 m ³
					= 794.40 m ³
7. Excavation in					
4th benches - - -					
2x 4.15x 1.40x 1.45 =					16.85 m ³
1x 5.75x 1.07x 0.25 =					1.54 m ³
					= 18.39 m ³
					= 18.39 m ³
8. Pro. Concrete for plain Rein					
forced concrete - - -					
2x 3.85x 1.40x 0.15 =					1.62 m ³
1x 5.75x 1.07x 0.25 =					3.10 m ³
Less for H.P. - - -					1.62 m ³
					2.02 m ³
9. Brick masonry					
Concrete mortar - - -					
2x 4.10x 1.10x 0.60 =					12.55 m ³
2x 4.10x 0.40x 0.60 =					1.96 m ³
					= 14.51 m ³
Less for H. Pipe - - -					
2x 4.10x 0.65x 0.61 =					0.41 m ³
					= 14.10 m ³
10. Pro. & laying Hume pipe					
of 600 mm dia - - -					
3x 2.50 =					7.50 m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11. Plastering with cement mortar					
	2x	4.10	1.00		$9.84m^2$
	2x	4.10	0.40		$3.28m^2$
	2x	4.10	0.60		$4.92m^2$
	2x	4.10	0.80		$4.92m^2$
	4x	0.40	0.60		$0.96m^2$
					$= 23.92m^2$
12. Earthwork in excavation for					
for 2x benches					
	2x	2x6.45	1.40	1.50	$= 24.18m^3$
	2x	1x5.78	1.53	0.25	$= 4.42m^3$
					$= 28.60m^3$
13. Provision of R.C.C. for					
	2x	2.78	1.67	0.55	$= 6.80m^3$
	2x	6.45	1.40	0.15	$= 2.418m^3$
Less for H.P. pipe	2x	2.78	0.20		$= 12.218m^3$
					$= 2.543m^3$
14. Brick masonry work					
with cement					
	2x	2x6.20	1.10	0.60	$= 50.59m^3$
	2x	2x6.20	0.40	0.60	$= 2.95m^3$
Less for H.P. pipe					$= 56.54m^3$
	2x	2x1.20	0.16		$= 2.76m^3$
					$= 53.78m^3$
15. Provision of Hume					
pipe of 1000mm					
	2x	3x	2.50		$= 15.00m$
					$= 15.00m$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16. Plastering with cement mortar					67
2x2x6.20x1.90					= 47.18m ²
2x2x6.20x0.60					= 14.88m ²
2x2x6.20x0.40					= 9.92m ²
2x4x0.40x0.60					= 1.92m ²
					= 73.84m ²
					= 73.84m ²

17. Providing of typical
storm water

1 Nos.
20/04/2022
JE

Materials statement

- (i) E/work - 4281.17m³
- (ii) Stone mchlr - 816.45m³
- (iii) Coarse sand - 402.14m³
- (iv) Stone chips - 6.33m³
- (v) Coarse sand - 26.12m³
- (vi) Bricks - 33940 Nos.
- (vii) Hume pipe 600mm - 7.50m
- (viii) Hume pipe 1000mm - 15.00m

20/04/2022
JE

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
Setting out of reference					
Benchmark - - -					GT
Vide item No. 1 PM-1					
2801 m ² $\times$ 1089.53 / m ²					1394620
Cleaning & grubbing - -					GT
Vide item No. 2 PM-1					237312
0.448 Hae $\times$ 52970.33 / Hae					23731200
3. Excavation in soil					
for road - - -					GT
Vide item No. 3 PM-1					
97.12 m ² $\times$ 75.57 m ²					7339200
4. Construct embankment					
with approved - - -					GT
with 100 m lead					
Vide item No. 4 (a) PM-4					
1664.42 m ² $\times$ 222.60 / m ²					223694620
5. Construct embankment					
with 100 m lead - -					GT
Vide item No. 4 (b) PM-4					
2483.66 m ² $\times$ 184.86 / m ²					45912920
6. Construct earthen sub					
grade with - - -					GT
Vide item No. 5 PM-4					
559.0 m ² $\times$ 220.58 / m ²					12330420
7. Construct G.S. B with -					GT
Vide item No. 6 PM-5					
782.91 m ² $\times$ 2346.34 / m ²					183697320
					27,01,36200

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BF	270	1362200
1. E/W of 1st floor regular - 51					
18.39 m ³ Vide item No 7 PM-5					
58.60 m ³ Vide item No 12 PM-6					
76.99 m ³ Σ 305.42 m ³ Σ 23514200					
2. Pro. Concrete for plain Rein					
for 1st floor - 51					
3.85 m ³ Vide item No 8 PM-5					
2.675 m ³ Vide item No 13 PM-6					
7.525 m³					
13.425 m ³ Σ 4836.62 m ³ Σ 64932200					
10. Brick masonry wall					
with Cornish - 512					
14.10 m ³ Vide item No 9 PM-5					
53.78 m ³ Vide item No 14 PM-6					
67.88 m ³ Σ 5734.83 m ³ Σ 38928000					
11. Pro. & laying of Humefire					
of 60 mm - 51					
Vide item No 10 PM-5					
7.50 m ³ Σ 2644.85 m ³ Σ 17836200					
12. Pro. & laying of Humefire					
of 100 mm - 51					
Vide item No 12 PM-6					
15.0 m ³ Σ 3744.38 m ³ Σ 26166200					
13. Plastering with Cornish - 51					
23.92 m ³ Vide item No 11 PM-6					
73.84 m ³ Vide item No 16 PM-7					
97.76 m ³ Σ 14411 m ³ Σ 14088200					
Continuation					3269178200

Continuation