

ARIYAH TOLA SADHU SI MATH

PASU PUL

MUSAHRI ANGHANBADI KENDRA (MMHSY-NDE)

Schedule XLV-Form No.-134

E.E.R.W.D. WORKS DIVISION DIVISION Patna

FATUHA SUB-DIVISION

MEASUREMENT BOOK

~~7697~~

MB NO - 7707

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
End on N/1 B/1					
Name of work - Construction					
7 five year maintenance of					
Road from N/1 to N/2					
Like math (masonry) - NDB BPP					
693 Patna) under masonry NDB					
Agency - Lalmonjari construction					
prop. Krishnakant Singh					
Village - Muzam P.O - Kaitikishri					
P.S - Gidh Dikt - Nawababad					
Bihar					
Agreement No - 05/SRD/24-25					
Rate Approved - 0.14% Below					
Date of commencement - 17.7.24					
Date of completion - 18.4.25					
Date of measurement - 28.3.25					
work Done -					
Item (1) construction of					
unreinforced P.C.C of M20					
grad - do - do of E.I					
$1 \times 30 \times \frac{5.5 + 3.75}{2} \times 0.16 = 22.92 \text{ m}^3$					
$7 \times 30 \times \frac{3.75 + 0}{2} \times 0.16 = 12.60 \text{ m}^3$					
$1 \times 15 \times \frac{3.75 + 4.25}{2} \times 0.16 = 9.6 \text{ m}^3$					
$1 \times 15 \times \frac{4.25 + 3.75}{2} \times 0.16 = 9.6 \text{ m}^3$					
$5 \times 30 \times \frac{3.75 + 0}{2} \times 0.16 = 40.0 \text{ m}^3$					

Continuation

CH (cm)	c/s Area (cm ²)	mem c/s Area (cm ²)	Density m	Volume m ³
0	5.259			
50	4.066	4.663	50	233.125
100	3.823	3.945	50	197.225
150	6.569	5.196	50	259.800
200	6.415	6.492	50	324.600
250	6.457	6.436	50	321.800
300	6.374	6.416	50	320.775



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
350	6.525	6.450	50		322.475
400	6.173	6.379	50		317.450
450	6.397	6.285	50		314.250
500	6.301	6.399	50		317.450
550	5.973	6.137	50		306.850

Total qty = 3235.80 m³

Flow qty As per graph = 3235.80 m³

Deduction -

Subgrade vide P-4 (-) 322.44 m³

Sand filling vide P-4 (-) 302.50 m³

GTSB vide P-5 (-) 215.07 m³

WBM cur vide P-6 (-) 161.30 m³

P.C.C vide P-17 (-) 344.10 m³

Total 1890.39 m³

Lead up to 100m.

1890.39 m³ x 0.80 = 1512.31 m³

Less Paid P-4 (-) 1131.92 m³

= 380.39 m³

Lead up to 1000m.

1890.39 m³ x 0.20 = 378.08 m³

Less Paid P-4 (-) 282.98 m³

= 95.10 m³

Item (2) Road marking -

2 x 10 x 30.0m x 0.100 = 60.0 m²

2 x 8 x 30.0m x 0.100 = 48.0 m²

2 x 10.0m x 0.100 = 2.0 m²

Total = 110.0 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (3) Providing and fixing of typical informatory board do-do — E/I				=	140
Item (4) Providing and fixing citizen information board					2-40
Item (5) Providing and fixing Retro ReflectORIZED traffic Sign- 600mm triangular				=	0440
Item (6) 600mm ○				=	440
Item (7) 800mm x 600mm Rectangular				=	240
Item (8) 900mm octagon				=	140.
Item (9) Boundary pillar					= 1640
Item (10) Providing and fixing kilometer stone					740 ⁰¹⁴⁰
Item (11) Prov. and fixing					

Continuation

Particulars	Quantity of various commodities				Assessed at rate
	(1)	(2)	(3)	(4)	
<u>Abstract of (or)</u>					
(1) <u>Setting out of boundaries</u>					
<u>of Ranch area</u>					
<u>Qty 0.33 ha. Vide TMR P-10</u>					
<u>@ Rs 12321.00/ha = Rs 4065.93</u>					
(2) <u>clearing work and</u>					
<u>Removal of Rubbish</u>					
<u>0.33 Hect Vide TMR P-10</u>					
<u>@ Rs 20291.53/Ha = Rs 6696.20</u>					
(3) <u>Excavation of soil using</u>					
<u>Hydraulic excavator</u>					
<u>26.70 m³ Vide TMR P-10</u>					
<u>@ Rs 104.01 = Rs 2776.50</u>					
Item (4) <u>Removal of waste-</u>					
<u>ble soil with Gravel</u>					
<u>upto 1000 mm</u>					
<u>7.72 m³ Vide TMR P-10</u>					
<u>@ Rs 104.01 = Rs 809.20</u>					
Item (5) <u>Construction of</u>					
<u>embankment with ma-</u>					
<u>terial cutting do-do-</u>					
<u>21.12 m³ Vide TMR P-10</u>					
<u>@ Rs 88.21/m³ = Rs 1872.50</u>					
<u>Rs 24076.00</u>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF = RA	24076.00
Item (6) construction of embankment with material obtained from pits do--do-- of E/I					
Lead up to 100m					
1131.92 m ³ wide TMB P-11					
380.89 m ³ wide TMB P-18					
1512.81 m ³					
@ R _q 217.22/m ³					= R _q 32858.98
Item (7) Lead up to 1000m					
282.98 m ³ wide TMB P-11					
95.10 m ³ wide TMB P-18					
378.08 m ³					
@ R _q 267.88/m ³					= R _q 101280.07
Item (8) sand filling in foundation trenches do--do of E/I					
302.50 m ³ wide TMB P-11					
@ R _q 578.67/m ³					= R _q 175048.00
Item (9) construction of subgrade of earthen shoulder do--do of E/I					
322.44 m ³ wide TMB P-11					
@ R _q 231.42/m ³					= R _q 87519.20
					R _q 316485.27

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (10) Construction of					BFR 716425=0
CRB by providing					
compacted material					
- at do--do of E/I					
215.07 m ³ wide TMBP-1					
@ R 3006.25/m ³					= R 646554=0
Item (11) Providing laying					
spreading and compacting					
stone aggregate					
do--do of E/I					
161.30 m ³ wide TMBP-12					
@ R 4328.05/m ³					= R 698114=0
Item (12) Construction of					
reinforced P.C.C. of					
M30 grade do--do -					
of E/I					
344.10 m ³ wide TMBP-17					
@ R 7501.97/m ³					= R 2581428=0
Item (13) Prov. & fixing of					
typical P.M.C. & info-					
mation sign board etc.					
200 do--do of E/I					
9 M01 wide TMBP M0-12					
1 M0 wide TMBP M0-199 M0					
3 M0					
@ 14111.39/M0					= R 42334=0
					R 468485=0

Continuation

Continuation

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Particulars	Details of actual measure			Contents of area
	No.	L.	B. D.	
Item (18) 900mm side octagonal 140 side TMB P-19 90mm @ 9976.81/each = Rs 9977 = 0				R/- 764274 = 0
Item (19) Boundary pillar octa Reinforced cement concrete m/s do--do of E/P 1640 side TMB P-19 @ Rs 642.14/each = Rs 10394.24				
Item (20) Km stone - 140 side TMB P-19 90mm-10 @ Rs 2600.93/each = Rs 2601 = 0				
Item (21) 900mm stone precast - 240 side TMB P-20 @ Rs 756.89/each = = Rs 1514 = 0				
Item (22) Road marking 110m ² side TMB P-18 300mm-2 @ Rs 970.72/m ² = Rs 106779 = 0				

Continuation Rs 4895499 = 0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
9) Item (23) E/W in excavation for foundation of structure do-do of E/I 26.99 m ³ side TMBP-12 @ R ₄ 405.83/m ³ = R ₄ 10953=0					R ₄ 114895.199=0
9) Item (24) Laying first class bedding well compacted sand do- do of E/I 3.00 m ³ side TMB-12					
@ R ₄ 578.67/m ³ = R ₄ 1736=0					
9) Item (25) Prov. and laying reinforced cement concrete MP ₃ for culvert do-do of E/I 20.00 m ³ side TMBP-12 @ R ₄ 684.79/m ³ = R ₄ 13696=0					
9) Item (26) Prov. PCC M ₁₅ (1:2.5:3) concrete for plain concrete do- do of E/I					

Continuation

R₄ 4921884=0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2.90m ² vide TMB P-12				RF 1492.1881=	
@ R ₂ 6420.01/m ²				= R ₂ 25038=	
Extm (25) P.C.C. M ₂ 1:1.5 sub					
structure do. do.					
of E/F					
12.21m ² vide TMB P-12					
@ R ₂ 7054.55/m ²				= R ₂ 128463=	
Extm (26) Prov ^d laying					
P.C.C. pipe 150/600					
manholes for culvert					
do. do. of E/F					
7.50m ² vide TMB P-12					
@ R ₂ 3747.21/m ²				= R ₂ 28104=	
Extm (27) Painting two					
coat with synthe-					
tic enamel paint					
do. do. of E/F					
12.48m ² vide TMB P-12					
@ R ₂ 138.68/m ²				= R ₂ 1731=	
				R ₂ 5705220=	

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				BF 5105220=	
Add 18% GST				(+) Rs 914615=	
Add 1% LCCA				(+) Rs 50811=	
Add Seigniorage Fee				(+) Rs 86800=	
				<u>Rs 6157446=</u>	
Less 0.14% Below as per Agreement				(-) Rs 8620=	
				<u>Rs 6148826=</u>	
Deduct Last A/c Bill.					
vide TMB PMO-5				(-) Rs 1859924=	
				<u>Rs 4288902=</u>	

Construction work completed
as per specification.

L. Kumar
 12/4/25 12.4.85
 J/E
 PE
 fah-2
 12/04/2025
 AE
 fah-2