

mm 457 (400) Brio.

1056

Schedule XLV-Form No. 134

Chaita Patuli Road to Dagariga Tola.

4005/42117

DIVISION

4005/42117

SUB-DIVISION

Measurement Book

M/S Uttam Bihar Construction Co.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4th on A/c Bill				
Name of work -	construction of Road				
from chaita paterhi	Road to Jagorriya				
Total under	mm. l.s.y. (H.D.B. DRCS)				
Name of Agency -	MIS Uttar Bihar construction				
company pro -	Sanjay Kumar AT - Sports				
club Road chhatauni	Motihari Dist -				
East Champaran					
Agreement No -	07SBD./2021-22				
Date of work order -	16-12-2021				
Time of completion -	15-12-2022				
1) Construction of subgrade.					
2) Earthen shoulder	---				

all complete					
sides of WBM	2x10x	30.0x	1.295x	0.075=	58.275m ³
			avg		
	2x10x	30.0x	1.295x	0.075=	58.275m ³
			avg		
	2x10x	30.0x	1.295x	0.075=	58.275m ³
			avg		
	2x10x	30.0x	1.295x	0.075=	58.275m ³
			avg		
	2x1x	20.0x	1.295x	0.075=	3.885m ³
			avg		
cf/	2x10x	30.0x	1.295x	0.075=	58.275m ³
			avg		
	2x3x	30.0x	1.295x	0.075=	17.48m ³
			avg		
	2x1x	25.0x	1.295x	0.075=	4.86m ³
			avg		
sides of pcc	2x4x	30.0x	1.51x	0.160=	57.98m ³
			avg		
	2x1x	23.0x	1.51x	0.160=	11.11m ³
			avg		
	2x4x	30.0x	1.51x	0.160=	57.98m ³
			avg		
cf/	2x5x	30.0x	1.51x	0.160=	72.48m ³
			avg		
	2x1x	2.0x	1.51x	0.160=	0.97m ³
			avg		

Continuation

518.12m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Construction of Bonnet					
Lead 1000 m - all complete					
	ch	Area	mean Area	Distance	Volume
S	0	1.190	0.595	0	0.0
	50	1.303	1.247	50	62.325
	100	1.237	1.270	50	63.50
	150	1.260	1.249	50	62.425
	200	1.754	1.507	50	75.35
	250	2.604	2.179	50	108.95
	300	3.428	3.016	50	150.80
S	350	3.677	3.553	50	177.625
	400	3.662	3.670	50	183.475
S	450	3.853	3.758	50	187.875
	500	3.751	3.862	50	190.10
	550	3.724	3.738	50	186.875
	600	4.105	3.915	50	195.725
S	650	3.685	3.895	50	194.75
	700	5.975	4.83	50	241.50
	750	5.993	5.984	50	299.20
	800	6.136	6.065	50	303.225
	850	5.277	5.707	50	285.325
	900	4.284	4.781	50	239.025
	950	1.257	2.771	50	138.525
S	1000	1.170	1.214	50	60.675
	1050	1.253	1.212	50	60.575
	1100	1.310	1.282	50	64.075
	1150	1.431	1.371	50	68.525

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1200	2.044	1.738	50	86.875
	1250	3.104	2.574	50	128.70
	1300	3.087	3.096	50	154.775
	1350	3.215	3.151	50	157.55
Sum	1400	3.117	3.166	50	158.30
	1450	3.460	3.289	50	164.425
	1500	3.501	3.481	50	174.025
	1550	3.606	3.554	50	177.675
	1600	3.195	3.46	50	170.025
	1635	1.660	2.428	35	84.963
	Total E/W Qty =				5057.738 ³

Deduction —

(i) Box cutting vide TMB PN-50 Qty = 182.57m³

(ii) Subgrade vide TMB item (2)

PN-7 + item (1) PN-30 Qty = 1127.72m³

(iii) GSB Girding II vide TMB

item NO (1) PN-7 Qty = 682.60m³

(iv) WBM Girding III vide TMB

item (1) PN-8 Qty = 370.13m³

(v) PCC m30 pavement vide TMB

item (1) PN-23 Qty = 249.0m³2445.72m³

(3) providing RCC M15 grade

K.P.M post - all complete

2.04/0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) providing 200mm stone					
post - - - all complete					
		7.0 Nos			
(5) painting two coats					
on culvert parapet wall					
- - - all complete					
Top -	2x2x	6.150	x 0.400 =		9.84m ²
Ends (parapet)	2x4x	0.400	x 0.600 =		1.92m ²
Inner sides -	2x2x	6.150	x 0.600 =		14.76m ²
					26.52m ²
(6) providing two coats of					
water based cement paint					
(at Right pavement below					
Road marking) - - all complete					
1st Km -	2x4x	30.0	x 0.100 =		24.0m ²
	2x1x	23.0	x 0.100 =		4.60m ²
2nd Km -	2x4x	30.0	x 0.100 =		24.0m ²
	2x5x	30.0	x 0.100 =		30.0m ²
	2x1x	2.0	x 0.100 =		0.40m ²
					83.0m ²
(7) providing 2.5mm thick Road					
marking - - - all complete					
	2x10x	30.0	x 0.100 =		60.0m ²
	2x10x	30.0	x 0.100 =		60.0m ²
	2x10x	30.0	x 0.100 =		60.0m ²
	2x10x	30.0	x 0.100 =		60.0m ²
	2x10x	30.0	x 0.100 =		60.0m ²
	2x10x	30.0	x 0.100 =		60.0m ²
					Continuation
					300.0m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F of J = $300.0m^2$
		2×4	30.0	0.100	$= 24.0m^2$
		2×1	15.0	0.100	$= 3.0m^2$
					$327.0m^2$

(8) PSF of typical maintenance

Board - - - all complete

2.0 NOS

(9) PSF of Retro-reflective

cautionary, mandatory

informatory sign - - -

all complete

(i) 600mm Equilateral Triangle

4.0 NOS

(ii) 600mm circulars

6.0 NOS

(iii) 600mm x 490mm Rectangulars

2.0 NOS

(iv) 900mm side octagon

0.0 NOS

(10) providing & laying 300mm Ø

RCC Hume pipe - all complete

37.50 m

(11) planting of tree & shrub

maintenance one year - -

all complete

62.0 NOS

by 10.12.2022

Sum 10/12/22

JE

Continuation

AE

Sch. XLV-Form No.134 35

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
(1) construction of Reference					
1.0	2 working BM -- all complete				
vide TMB item (1) PN - 24					
1.635 Km @ RS 8318 = 85/Km RS 136012					
(2) construction of Reference					
2.0	pillars / barrier -- all complete				
vide TMB item (2) PN - 24					
1.635 Km @ RS 4830 = 84/Km RS 78982					
(3) clearing & grubbing Road					
3.0	land --- all complete				
vide TMB item (3) PN - 24					
0.49 Ha @ RS 5137 = 33/Ha RS 2509700					
(4) construction of Embankment					
5.0	road 1000m -- all complete				
vide TMB item (2) PN - 32					
2445.72 m ³ @ RS 189 = 95/m ³ RS 4645650					
(5) construction of subgrade					
6.0	2 bottom shoulders ---				
all complete					
vide TMB item (5) PN - 24					
+ item NO (1) PN - 30					
1127.72 m ³ @ RS 191 = 64/m ³ RS 21611600					
(6) Excavation for roadway					
8.0	--- all complete				
vide TMB item (6) PN - 24					
182.57 m ³ @ RS 75 = 50/m ³ RS 1378400					

Continuation

C.O. RS 74102100

Sch. XLV-Form No.134 36

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF-RS	741021=00
(7) construction of G.S.B. GRI					
10.0					
----- all complete					
vide TMB item (7) PN - 25					
682.60 m ³ @ RS 2846 = 22/m ³ RS					1942830=00
(8) construction of W.B.M. GRI					
11.0					
----- all complete					
vide TMB item (8) PN - 25					
370.06 m ³ @ RS 3501 = 27/m ³ RS					1295680=00
(9) providing prime coat RS-2					
12.0					
----- all complete					
vide TMB item (9) PN - 25					
4620.04 m ² @ RS 43 = 06/m ² RS					198939=00
(10) providing tack coat RS-2					
13.0					
----- all complete					
vide TMB item (10) PN - 25					
4620.04 m ² @ RS 14 = 54/m ² RS					67175=00
(11) providing 20mm thick PMC					
14.0					
----- all complete					
vide TMB item (11) PN - 25					
4620.04 m ² @ RS 206 = 71/m ² RS					955008=00
(12) PBF of masonry infilling					
24.0					
signboards - - - all complete					
vide TMB item (12) PN - 25					
2.0 Nos @ RS 12682 = 98/each RS					25366=00
				C.O. RS	5226019=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.RS	5226019=00
(13) E/W in Excavation for 32.0 foundation - - - all complete					
vide TMB item (13) PN - 26					
75.24 m ³ @ RS 269 = 32 / m ³				RS	20264=00
(14) providing base filling in 33.0 foundation trench - all complete					
vide TMB item (14) PN - 26					
5.72 m ³ @ RS 438 = 87 / m ³				B	2510=00
(15) B/F/S in foundation trench 34.0 - - - all complete					
vide TMB item (15) PN - 26					
57.23 m ² @ RS 291 = 74 / m ²				RS	16711=00

(16) providing PCC m/s in 35.0 open foundation - all complete					
vide TMB item (16) PN - 26					
12.34 m ³ @ RS 5692 = 33 / m ³				RS	70243=00
(17) B/m in C/m (1:4) in head 36.0 wall - - - all complete					
vide TMB item (17) PN - 26					
53.02 m ³ @ RS 5585 = 45 / m ³				RS	296141=00
(18) providing 1000 mm ϕ NP3 37.0 house pipe - - - all complete					
vide TMB item (18) PN - 26					
15.0 m @ RS 3926 = 29 / m				RS	58894=00
				C.O	RS 5690782=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.RS	5690782=00
(19) plastering with c.m (1:4)					
38.0					
- - - all complete					
vide Tmb item (19) PN - 27					
72.80 m ² @ RS 175 = 31/m ²				RS	12763=00
(20) providing 1.5 mm cement					
39.0					
punning - all complete					
vide Tmb item (20) PN - 27					
26.52 m ² @ RS 57 = 06/m ²				RS	1513=00
(21) construction of pcc m ³					
15.0					
pavement - all complete					
vide Tmb item (21) PN - 27					
249.0 m ³ @ RS 6593 = 42/m ³				RS	1643007=00
(22) providing RCC m ¹⁵ grade					
17.0					
Km post - all complete					
vide Tmb item (3) PN - 32					
2.0 Nos @ RS 2358 = 38/each				RS	4777=00
(23) providing RCC m ¹⁵ grade					
18.0					
200 m post - all complete					
vide Tmb item (4) PN - 33					
7.0 Nos @ RS 630 = 67/each				RS	4415=00
(24) painting two coats on					
20.0					
culvert parapet wall -					
all complete					
vide Tmb item (5) PN - 33					
26.52 m ² @ RS 99 = 42/m ²				RS	2637=00
				C.O RS	7359894=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F.RS 7359894=00
(25) providing two coats of 21.0 water based cement paint - - - all complete vide TMB item (6) PN - 33 83.0m ² @ RS 92 = 32/m ² RS 7663=00					
(26) providing 2.5 mm thick 22.0 Road marking - all complete vide TMB item (7) PN - 34 327.0m ² @ RS 721 = 91/m ² RS 236065=00					
(27) P&F of typical maintenance 25.0 Boars - - all complete vide TMB item (8) PN - 34 2.0 Nos @ RS 12682 = 98/each RS 25366=00					
(28) P&F of Retro - Reflective cautionary, mandatory & informatory sign - all complete vide TMB item (9) PN - 34 (i) 600 mm Equilateral Triangle 26.0 4 Nos @ RS 3483 = 24/each RS 13933=00 (ii) 600 mm circular 27.0 6 Nos @ RS 4732 = 89/each RS 28397=00 (iii) 600 mm x 450 mm Rectangular 2 Nos @ RS 4058 = 87/each RS 8118=00 C.O. RS 76794.36=00					

Continuation

