

Sch. XLV-Form No.134 **12**

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd on A/c Bill					
Name of work - construction of Road					
C.D. work with five year maintenance					
Wajitpur Sirauli Road Kuzhwaha					
Tola to Baharra Teli Tola under					
M.M.Usy (N.D.B. BRKS)					
Name of Agency - Sanjeev Kumar					
Singh Add vill + post - Padumker PS -					
Patahi Dist - East Champaran					
Agreement No - 09 S.B.D. / 2021-22					
Date of work order - 18-12-2021					
Time of completion - 17-12-2022					

(1) providing & laying 300mm					
RCC NP3 Hume pipe					
all complete					
$2 \times 3 \times 2.50 = 15.0 \text{ m}$					
(2) construction of WBM Gr III					
all complete					
For BT Road $10 \times 30.0 \times 3.75 \times 0.075 = 84.375 \text{ m}^3$					
$6 \times 30.0 \times 3.75 \times 0.075 = 50.625 \text{ m}^3$					
$1 \times 24.0 \times 3.75 \times 0.075 = 6.75 \text{ m}^3$					
For CC Road $7 \times 30.0 \times 3.75 \times 0.075 = 59.06 \text{ m}^3$					
$1 \times 21.0 \times 3.75 \times 0.075 = 5.91 \text{ m}^3$					
Extra widening for H-curve $28.50 \times 0.70 + 0.50 \times 0.075 = 1.28 \text{ m}^3$					
$21.05 \times 0.60 + 0.40 \times 0.075 = 0.79 \text{ m}^3$					
208.79 m^3					
By agreement					
3.01.2023					
JE					
Continuation					
Checked by Nihal					
03/01/23					

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(3) construction of subgrade					
8 Earthen shoulders					
all complete					
sides of WBM					
$2 \times 10 \times 30.0 \times 1.51 \times 0.075 = 67.95 \text{ m}^3$					
$2 \times 6 \times 30.0 \times 1.51 \times 0.075 = 40.77 \text{ m}^3$					
$2 \times 1 \times 24.0 \times 1.51 \times 0.075 = 5.44 \text{ m}^3$					
$2 \times 7 \times 30.0 \times 1.51 \times 0.075 = 47.56 \text{ m}^3$					
$2 \times 1 \times 21.0 \times 1.51 \times 0.075 = 4.75 \text{ m}^3$					
sides of pcc					
$2 \times 7 \times 30.0 \times 1.51 \times 0.160 = 101.47 \text{ m}^3$					
$2 \times 1 \times 21.0 \times 1.51 \times 0.160 = 10.15 \text{ m}^3$					
$2 \times 1 \times 30.0 \times 1.51 \times 0.160 = 14.50 \text{ m}^3$					
$2 \times 1 \times 18.0 \times 1.51 \times 0.160 = 8.70 \text{ m}^3$					
					301.29 m ³
(4) construction of pcc					
M30 pavement					
all complete					
$7 \times 30.0 \times 3.75 \times 0.160 = 126.0 \text{ m}^3$					
$1 \times 21.0 \times 3.75 \times 0.160 = 12.60 \text{ m}^3$					
Extra for					138.60 m ³
horizontal curve	$24.80 \times 0.40 + 0.30$				$\times 0.160 = 1.39 \text{ m}^3$
			2		139.99 m ³
(5) construction of Embankment					
material obtained from					
pits lead 1000 m					
all complete					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	ch	Area	mean Area	Distanc	Volume
	0	1.693	0.846	0	0.0
	50	2.941	2.317	50	115.85
	100	5.873	4.407	50	220.35
	150	5.424	5.65	50	282.50
	200	4.652	5.04	50	252.0
	250	4.329	4.49	50	224.52
	300	5.323	4.83	50	241.50
	350	7.431	6.38	50	319.0
	400	7.329	7.38	50	369.0
	450	4.587	5.96	50	298.0
	500	4.363	4.48	50	224.0
	550	4.387	4.38	50	219.0

	600	3.047	3.72	50	186.0
	650	6.521	4.78	50	239.0
	700	4.904	5.71	50	285.50
	750	5.036	4.97	35	173.95
	Grand Total			=	3650.17m ³

Deductions —

(i) Box cutting vide TMB

item (13) PN-4 Qty = 39.25m³

(ii) BSB grading I vide TMB

item (14) PN-5 Qty = 377.30m³

(iii) Subgrade vide TMB

item (12) PN-4 + item (15) PN-5

+ item (3) PN-13 Qty = 1048.52m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(IV) WBM Grading III vide TMB					
item (2) PH-12				Qty =	208.79m ³
(V) pcc m30 pavement vide					
TMB item (4) PH-13				Qty =	139.99m ³
					1836.32m ³
				Limit Qty =	1777.27m ³
(6) providing prime coat					
SS-1 --- all complete					
10x30.0x			3.75 =	1125.0m ²	
6x30.0x			3.75 =	675.0m ²	
1x27.0x			3.75 =	90.0m ²	
Extra width for H-drive			1x18.90x0.50+0.40 =	18.90m ²	
Chord			2		1903.90m ²
Signature					
12.01.2023					
JE					
(7) providing tack coat RS-2					
--- all complete					
Qty same vide item (6)				=	1908.90m ²
(8) providing 20mm thick mix seal surfacing					
all complete					
Qty same vide item (6)				=	1908.90m ²
(9) providing Rcc m15 grade					
1cm post --- all complete					
			1.0 No		
(10) providing Rcc m15 grade 20cm post					
			3.0 Nos		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) painting two coats on new concrete surface ----- all complete					
					$2 \times 6.20 \times 1.80 = 22.32 \text{ m}^2$
(12) painting on concrete surface (at rigid pavements) below Road marking all complete					
					$2 \times 7 \times 30.0 \times 0.100 = 42.0 \text{ m}^2$
					$2 \times 1 \times 21.0 \times 0.100 = 4.20 \text{ m}^2$
					46.20 m^2
(13) 2.5 mm thick Road marking ----- all complete					
(14) flexible pavement 2x10x 30.0x 0.100 = 60.0m ² pavement 2x6x 30.0x 0.100 = 36.0m ² 2x1x 24.0x 0.100 = 4.80m ² Rigid pavement 2x7x 30.0x 0.100 = 42.0m ² 2x1x 21.0x 0.100 = 4.20m ² 147.0m ²					
(14) p.s./= of maintenance board ----- all complete 2.0 Nos					
(15) planting of trees and their maintenance for one year ----- all complete 26.0 Nos					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) pte of Retro-Reflective					
cautionary, mandatory &					
informatory sign -					
all complete					
(i) 600mm Equilateral Triangle					
4.0 Nos					
(ii) 600mm circular					
6.0 Nos					
(iii) 600mm x 450mm Rectangular					
2.0 Nos					
(17) Brick Edge Soling on					
both sides of flank					
all complete					

$$2 \times 7 \times 30.0 \times 0.375 \text{ av} = 157.50 \text{ m}^2$$

$$2 \times 1 \times 21.0 \times 0.375 \text{ av} = 15.75 \text{ m}^2$$

$$173.25 \text{ m}^2$$

W. Jagan

22-01-2023

JE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
1) 32.0 E/W in Excavation for foundation -- all complete					
vide TMB item (1) PN- 8					
37.62 m ³ @ RS 279 = 09/m ³				RS	10499=00
2) sand filling in foundation trench -- all complete					
vide TMB item (2) PN- 8					
2.86 m ³ @ RS 442 = 50/m ³				RS	1266=00
3) B/F/S in foundation trench --- all complete					
vide TMB item (3) PN- 8					
28.64 m ² @ RS 274 = 06/m ²				RS	8422=00
4) providing p.c m/s in open foundation -- all complete					
vide TMB item (4) PN- 8					
6.17 m ³ @ RS 5673 = 66/m ³				RS	35006=00
5) B/m/W in C.M (1:4) in head wall -- all complete					
vide TMB item (5) PN- 8					
26.51 m ³ @ RS 5630 = 52/m ³				RS	149265=00
6) providing & laying 1000 mm (φ) Np3 Hummer pipe -- all complete					
vide TMB item (6) PN- 8					
7.50 M @ RS 3883 = 29 /m				RS	29125=00
				C.O.Rs	233583=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F-Rs 237	583=00
(7) plastering with c.m (1:4)					
38.0					
all complete					
Vide TMB Item (7) PH-9					
36.40 m ² @ Rs 178=26/m ²				R	6486=00
(8) providing 1.5 mm cement					
19.0					
punning --- all complete					
Vide TMB Item (8) PH-9					
13.26 m ² @ Rs 59=53/m ²				Rs	789=00
(9) construction of Reference					
1.0					
9 working BM --- all complete					
Vide TMB Item (9) PH-9					
0.740 km @ Rs 5236=15/km Rs					3875=00
(10) construction of Reference					
2.0					
pillars/ Burjee ---					
all complete					
Vide TMB Item (10) PH-9					
0.740 km @ Rs 2803=11/km Rs					2074=00
(11) Clearing & grubbing					
3.0					
Road land --- all complete					
Vide TMB Item (11) PH-9					
0.22 Ha @ Rs 52970=34/Ha Rs					11653=00
(12) construction of subgrade					
6.0					
9 Earthen shoulders ---					
all complete					
Vide TMB Item (12) PH-9 + Item (3)					
747.225 m ³ @ Rs 11=76/m ³				R	201064=00
+ 301.29 m ³					143288=00
1048.52 m ³					
Continuation					
				C.O.R	401748=00
					459524=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				459.524 = 00 BFR 401.748 = 00	
(13) Excavation for roadway					
8.0 (Box cutting) - all complete					
vide TMB item (13) PN - 10					
39.25 m ³ @ RS 75 = 57/m ³ B					2966 =
(14) Construction of GTSB GRI					
10.0 --- all complete					
vide TMB item (14) PN - 10					
377.30 m ³ @ RS 2717 = 62/m ³ B					1025358 =
(15) PSE of typical masonry					
24.0 informing sign --- all complete					
vide TMB item (15) PN - 10					
2.0 NOS @ RS 12892 = 47/each B					25785 = 00
(16) providing 300mm RCC					
30.0 NP3 140mm pipe --- all complete					
vide TMB item (16) PN - 12					
15.0 m @ RS 856 = 12/m B					RS 12842 = 00
(17) construction of WBM					
11.0 grading III - all complete					
vide TMB item (17) PN - 12					
208.79 m ³ @ RS 3345 = 85/m ³ B					698580 = 00
(18) construction of pcc m30					
15.0 pavement - all complete					
vide TMB item (18) PN - 13					
139.99 m ³ @ RS 6585 = 01/m ³ B					921836 = 00
Continuation					
				0.0 B	3146891 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BFRS 31	46891=0
(19) construction of Embankment					
5.0					
Lead 1000m --- all complete					
vide TMB item (5) PN - 15					
$1777.27 m^3 @ Rs 190 = 07/m^3$				Rs	337806=0
(20) providing prime coat					
2.0					
SS-1 --- all complete					
vide TMB item (6) PN - 15					
$1908.90 m^2 @ Rs 190 = 40 = 77/m^2$				Rs	77826=0
(21) providing tack coat RS-1					
3.0					
----- all complete					
vide TMB item (7) PN - 15					
$1908.90 m^2 @ Rs 13 = 95/m^2$				Rs	26571=00
(22) providing 20mm thick					
14.0					
m/s seal surfacing					
----- all complete					
vide TMB item (8) PN - 15					
$1908.90 m^2 @ Rs 190 = 50/m^2$				Rs	363645=00
(23) providing RCC mis grade					
17.0					
Km post --- all complete					
vide TMB item (9) PN - 15					
$1.0 NO @ Rs 2396 = 53/each$				Rs	2397=00
(24) providing RCC mis grade					
18.0					
200m post --- all complete					
vide TMB item (10) PN - 15					
$3.0 NO @ Rs 631 = 02/each$				Rs	1893=00
				C.R.	3957049=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BFRS 3957049=0
(25) painting two coats on 20.0 new concrete surface ----- all complete					
vile TMB item (11) PN- 16					
22.32 m ² @ RS 101 = 40/m ²				R	2263=00
(26) painting on concrete 21.0 surface (At Right pavement below Road marking) ----- all complete					
vile TMB item (12) PN- 16					
46.20 m ² @ RS 93 = 20/m ²				R	4306=00
(27) 2.5 mm thick Road 22.0 marking ----- all complete					
vile TMB item (13) PN- 16					
147.0 m ² @ RS 721 = 95/m ²				R	106127=00
(28) p.s.f of maintenance boom 25.0 ----- all complete					
vile TMB item (14) PN- 16					
2.0 Nos @ RS 12892 = 47/each				R	25785=00
(29) p.s.f of retro. Reflective cautionary, mandatory, info sign ----- all complete					
vile TMB item (15) PN- 17					
(i) 600 mm Equilateral Triangle 26.0 4.0 Nos @ RS 3466 = 35/each				R	13865=00
				CUR	4109395=00

