

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work: Construction of Road and CD Work with Maintenance for Sheikhpura Sumaka Path to Barsa Village via Middle school					
Tender Package No- MR-N/23-24, SHR-02					
Agency: M/s Bijay Construction					
Flat No-102, First Floor, Grand Villa					
Prayagrahi Nagar, P.S. Rupnagar					
Distt- Patna, (Bihar) 801506					
Agreement No - 15 (MBO)/2023-24					
Agreement Value:					
Construction Cost= Rs. 4930049.00 ✓					
5% Maint. Cost- Rs. 508779.00 ✓					
Total Cost= Rs. 5438828.00 ✓					
Date of Commencement: 24.7.2023 ✓					
Date of Completion: 23.04.2024 ✓					
Rate Quoted @ 10.00% below					
(1) Clearing and Grubbing roadlands					
$2 \times 510 \times 1.00 = 1020.00 \text{ m}^2$					
$2 \times 102 \times 1.00 = 204.00 \text{ m}^2$					
<u>1224.00 m²</u>					
$1224.00 \text{ m}^2 \div 10000 = \text{Rs. } 0.12 \text{ hect}$					

Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(2/4) Constn of CC Pavement				
1x13x	$\frac{6.10 + 5.70}{2}$		x 0.160 =	12.27 m ³
1x5x	$\frac{5.70 + 4.10}{2}$		x 0.160 =	3.92 m ³
1x20x	$\frac{4.10 + 4.20}{2}$		x 0.160 =	13.28 m ³
1x23x	$\frac{4.20 + 3.75}{2}$		x 0.16 =	14.63 m ³
1x34x	$\frac{3.75 + 4.70}{2}$		x 0.16 =	22.98 m ³
1x14x	$\frac{4.70 + 3.75}{2}$		x 0.160 =	9.46 m ³
1x43x	$\frac{3.75 + 4.20}{2}$		x 0.160 =	27.35 m ³
1x5x	$\frac{4.20 + 6.30}{2}$		x 0.160 =	4.20 m ³
1x8x	$\frac{6.30 + 6.00}{2}$		x 0.160 =	7.87 m ³
1x14x	$\frac{6.00 + 4.20}{2}$		x 0.160 =	11.42 m ³
1x24x	$\frac{4.20 + 3.80}{2}$		x 0.160 =	15.36 m ³
1x8x	$\frac{3.80 + 4.50}{2}$		x 0.160 =	5.31 m ³
1x7x	$\frac{4.50 + 5.00}{2}$		x 0.160 =	5.32 m ³
1x20x	$\frac{5.00 + 4.00}{2}$		x 0.160 =	14.40 m ³
1x19x	$\frac{4.00 + 3.80}{2}$		x 0.160 =	11.86 m ³
1x28x	$\frac{3.80 + 3.75}{2}$		x 0.160 =	16.91 m ³
1x39x	$\frac{3.75 + 3.75}{2}$		x 0.160 =	23.40 m ³
1x35x	$\frac{3.75 + 3.80}{2}$		x 0.160 =	24.35 21.14 m ³
1x29x	$\frac{3.80 + 3.85}{2}$		x 0.160 =	17.75 m ³
1x23x	$\frac{3.85 + 3.85}{2}$		x 0.160 =	15.40 m ³
1x34x	$\frac{3.85 + 3.90}{2}$		x 0.160 =	21.08 m ³
1x32x	$\frac{3.90 + 3.80}{2}$		x 0.160 =	19.71 m ³
1x31x	$\frac{3.80 + 4.50}{2}$		x 0.160 =	20.58 m ³
Link to Middle School	1x3x	$\frac{3.70 + 2.70}{2}$	x 0.160 =	1.54 m ³
	1x12x	$\frac{2.70 + 2.40}{2}$	x 0.160 =	4.90 m ³

Continuation
1x18x $\frac{2.40 + 2.50}{2}$ x 0.160 = 7.06 m³

CO = 362.31 m³
349.10

349.10m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		132	10		262.31 m³
		1 x 12 x $\frac{2.50 + 3.10}{2}$		x 0.160 =	5.38 m ³
		1 x 3 x $\frac{3.10 + 3.80}{2}$		x 0.160 =	1.66 m³
		1 x 13 x $\frac{3.80 + 2.10}{2}$		x 0.160 =	6.83 m³
		1 x 7 x $\frac{2.00 + 4.00}{2}$		x 0.160 =	3.36 m³
		1 x 13 x $\frac{4.00 + 3.20}{2}$		x 0.160 =	8.01 m³
		1 x 21 x $\frac{3.70 + 3.50}{2}$		x 0.160 =	18.31 m³
					12.10 =
				Total Qty =	367.69 m³ 385.63 m³
				Lim ² =	367.20 m ³
(3/3) Dry Lean Concrete (DLC)					
		2 x 30 x 3.75		x 0.05 =	16.88 m ³
(4/13) Road marking with Hot applied thermoplastic component in CC					
		17 x 2 x 30		x 0.10 =	102.00 m ²
		3 x 2 x 30		x 0.10 =	18.00 m ²
					120.00 m ²
		15-3-2024			
		15-3-24			

Continuation

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Clearing and grubbing roadland					
Item 1/1 VTM B					
P/1 - 0.12 hect. @ Rs. 72697.86/hect.					
					= Rs. 8724.00
(2) D/LC item 3/3 VTM B					
P/3 - 16.88 m ³ @ Rs. 7093.23/m ³					
					= Rs. 119734.00
(3) CC Pavement item 4/4 VTM B					
P/3 - 367.20 m ³ @ Rs. 8598.12/m ³					
					= Rs. 3157230.00
(4) Road marking item 5/5 VTM B					
D/3 - 120.00 m ² @ Rs. 993.40/m ²					
					= Rs. 119208.00
					<u>Rs. 3404896.00</u>
Add @ 18% GST (+) Rs.					612881.00
Add @ 1% LC (+) Rs.					34049.00
Add @ 10% SF (+) Rs.					
D/LC: 16.88 m ³ @ Rs. 76.25 = Rs. 1287.00					
CC Pav: 367.20 m ³ @ Rs. 54.32 = Rs. 19946.00					
					<u>Total SF. Rs. 21233.00</u>
					<u>Rs. 4073059.00</u>
Less @ 10% below water Agreement (-) Rs.					407306.00
					<u>Rs. 3665753.00</u>
(5) Item 15.3.2024					
15.3.2024					

Continuation

19.3.24

Continuation

TOL 10 - PNB 202403100277
12/2/24

2nd and Final Bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work: Constn of Road					
and CD works with Maintenance					
for Sheikhpora Sarmaka Path					
to Bazsha Village via Middle					
School : MR-N/23-24, SHK-02					
Agency: M/s Brijay Construction					
Flat No-102, First Floor, Anand villa					
Prayadarshi Nagar, P.S. - Rupnagar					
Distt- Patna (Bihar) - 801506					
Agreement No - 15 (MBD) / 2023-24					
Agreement Value:					
Constn Cost = Rs. 49,30,049.00					
5 Yr. Maint. Cost = Rs. 50,87,779.00					
Total Cost = Rs. 54,38,828.00					
Date of Commencement: 24.7.2023					
Date of Completion: 23.4.2024					
Actual Date of Completion: 23.06.2024					
② Constn of Subgrade and earthen					
Shoulder.					
2 X 30 X 0.50 X 0.30 = 9.00 m ³					
2 X 20 X 0.50 X 0.30 = 6.00 m ³					
2 X 2 X 30 X 0.50 X 0.30 = 18.00 m ³					
33.00 m ³					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/5) P/P KM Stone				—	1 nos.
(3/6) P/P 200 M Stone				—	2 nos.
(4/8) P/P 600 mm equilateral Δ Sign				—	2 nos.
(5/9) P/P 600 mm Circular Sign				—	2 nos.
(6/10) P/P 600 x 450 mm rectangular Sign				—	2 nos.
(7/11) P/P Boundary Pillar				—	11 nos.
(8/14) P/P Logo of MM GST Project				—	2 nos.
Constn of RCC slab Culvert					
of 0.100 x 3.000 span x 1.500 vent					
(a) CH 287 m					
(9/15) E/W in excavation for structure of foundation					
Abt.	2 x 9.10 x 2.133 x 1.60 =				62.113 m ³
Floor Under Deck	1 x 7.70 x 1.40 x 0.25 =				2.695 m ³
					64.81 m ³
(10/18) Sand filling in found ⁿ trenches					
	1 x 7.70 x 2.629 x 0.10 =				2.02 m ³
(11/16) P/V PCC M15 (1:2:5:5) as levelling course					
Abt.	2 x 9.10 x 2.133 x 0.20 =				7.764 m ³
Floor Under Deck	1 x 9.10 x 2.133 x 0.150 =				3.169 m ³
Abt.	2 x 9.10 x 1.633 x 1.40 =				37.957 m ³
					41.15
R/W	4 x 1.55 x 0.30 x 2.40 =				3.72 m³
					52.59 m ³

Continuation

48.88 m³
52.60 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12/19) Plain/RCC M20 in Substructure					
Abt.	2	9.00	0.917	1.30	$= 10.872 \text{ m}^3$
Abt. Cap	2	9.00	0.70	0.20	$= 2.52 \text{ m}^3$
Dirt wall	2	9.00	0.40	0.30	$= 1.80 \text{ m}^3$
R/W	4	1.55	0.30	2.00	$= 3.72 \text{ m}^3$
					25.49 m^3
Proposed					29.86 m^3
1st wall	2	4.40	0.60	0.40	$= 2.11 \text{ m}^3$
					31.97 m^3
(13/20) P/R Bitumen Painting					
	2	7.50	0.20		$= 10.50 \text{ m}^2$
	2	7.50	0.30		$= 4.50 \text{ m}^2$
					15.00 m^2
(14/22) S/R/P HYSD Bar reinforcement					
in Super Structure					
Abutment Cap and Dirt wall					
Cap @ 12mm	2	8	9.00	0.89 kg/m	$= 128.16 \text{ kg}$
Main @ 16mm	2	4.7	2.808	1.58 kg/m	$= 417.04 \text{ kg}$
@ 10mm	2	7.4	2.50	0.39 kg/m	$= 144.30 \text{ kg}$
@ 12mm	2	3.0	8.00	0.89 kg/m	$= 469.92 \text{ kg}$
@ 12mm Chair	1	10	2.80	0.89 kg/m	$= 24.92 \text{ kg}$
					1184.34 kg
					$1184.34 \div 1000 = 1.18 \text{ MT}$
					Limit = 1.16 MT
(15/21) P/R RCC M25 in Deck Slab					
	1	9.00	3.56	0.30	$= 9.61 \text{ m}^3$

Continuation

Limit = 8.01 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BA Rs. 3294.352.00
(5/5) km stone item 2/5 VTM B					
P/7 - 1 no @ Rs. 2976.75 / each					
					= Rs. 2977.00
(6/6) 200m stone item 3/6 VTM B					
P/7 - 2 nos @ Rs. 831.59 / each					
					= Rs. 1663.00
(7/8) 600mm equilateral Δ sign item 4/8 VTM B					
P/7 - 2 nos @ Rs. 4493.98 / each					
					= Rs. 8988.00
(8/9) 600mm Circular sign item 5/9 VTM B					
P/7 - 2 nos @ Rs. 4371.67 / each					
					= Rs. 8743.00
(9/10) 600x450mm rectangular sign item 6/10 VTM B					
P/7 - 2 nos @ Rs. 4227.14 / each					
					= Rs. 8454.00
(10/11) Boundary Pillar item 7/11 VTM B					
P/7 - 11 nos @ Rs. 794.77 / each					
					= Rs. 8742.00
(11/13) Road marking in cc item 4/13 VTM B					
P/4 - 120.4 m ² @ Rs. 993.40 / m ²					
					= Rs. 119208.00
(12/14) Logo of MM GST Project item 8/14 VTM B					
P/7 - 2 nos @ Rs. 11595.38 / each					
					= Rs. 23191.00

Continuation

CO Rs. 3476318.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BP Rs. 3476318.0
(13/15) E/W in excavation item 9/15 VTMB					
P/7 - 64.81 m ³ @ Rs. 383.28/m ³					
					= Rs. 24840.00
(14/16) PCC M15 (1:2.5:5) item 11/16 VTMB					
P/7 - 52.60 m ³ @ Rs. 7093.23/m ³					
					= Rs. 373104.00
(15/18) Sand filling item 10/18 VTMB					
P/7 - 2.02 m ³ @ Rs. 568.00/m ³					
					= Rs. 1147.00
(16/19) Plain / RCC M20 item 12/19 VTMB					
P/8 - 31.97 m ³ @ Rs. 8150.78/m ³					
					= Rs. 260580.00
(17/20) BT painting item 13/20 VTMB					
P/8 - 15.00 m ² @ Rs. 20.58/m ²					
					= Rs. 309.00
(18/21) RCC M25 in Deck Slab item 15/21 VTMB					
P/8 - 8.01 m ³ @ Rs. 8809.48/m ³					
					= Rs. 70569.00
(19/22) HYSD Bar reinforcement item 14/22 VTMB					
P/8 - 1.16 MT @ Rs. 81949.13/MT					
					= Rs. 95061.00
(20/24) Weepholes item 16/24 VTMB					
P/9 - 17 nos @ Rs. 191.20/each					
					= Rs. 3250.00
					CP Rs. 4305173.00

4305173

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BP Rs. 4305173.00
Add @ 18% GST					Rs. 774931.00
Add @ 1% LC					Rs. 43052.00
Add @ 10% SF					Rs. 21233.00
Vide Bill					
Vide this Bill					
E/W: 97.81 m ³ @ Rs. 3.53 =					Rs. 345.00
Sand filling: 2.02 m ³ @ Rs. 14.48 =					Rs. 29.00
PCC: 52.60 m ³ @ Rs. 54.57 =					Rs. 2891.00
M15					
Plain RCC = 31.97 m ³ @ Rs. 58.41 =					Rs. 1867.00
M20					
M25 RCC: 8.01 m ³ @ Rs. 62.71 =					Rs. 502.00
					Total SF Rs. 26867.00
					Rs. 5150023.00
Less @ 10% below (-) Rs.					515002.00
As per Agreement					

					Rs. 4635021.00
Deduct Provision					(-) Rs. 3665753.00
Payment					Rs. 969268.00

23.6.2024
JB

Material Statement				Royalty
E/W = 97.81 m ³				Rs. 3228.00
Sand = 45.66 m ³				Rs. 6849.00
Stone chips = 78.06 m ³				Rs. 11709.00
Total				Rs. 21786.00

23.6.2024
JB

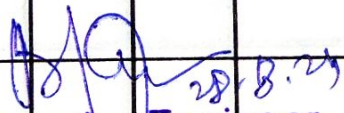
Received attat. vide L.A no. 89, dt. 31.07.2024
Rs. 9,69,268.-
Bill Value Rs. 9,69,268.-

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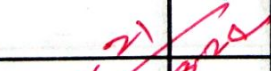
Sch. XLV-Form No. 134

Sch. XLV-Form No.				Contents of area
Particulars	Details of actual measurement			
	No.	L.	B.	D.
<u>2nd and Final Bill.</u>				
I. Tax @ 2%			Rs. 19386.-	Rs. 121392.-
C. GST @ 1%			Rs. 8215.-	
S. GST @ 1%			Rs. 8215.-	
L. cess @ 1%			Rs. 9693.-	
Royalty			Rs. 21786.-	
S. Fees			Rs. 5634.-	
S.D. @ 5%			Rs. 48463.-	
By Cheque Value			Rs. 847876.-	
Total Bill Value			Rs. 969268.-	
Passed for Rs. 969268.- (Rupees)				

Nine lacs sixty nine thousand
two hundred sixty eight) only.


Executive Engineer
Rural Works Department
Works Division, Sheikhpura


28/08/24


28/08/24

To/Can No -
" Dr -

Continuation