

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)

of the measurement relating to each work					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
Name of Work: Construction of Road and CD work with Maintenance for Sheikhpara Aoka R.D Path Se Hussainabad Kachahari Via Makpa					
Tender Group No - MR-N/23-24, SHK-02					
Agency: M/s Bijay Construction Flat No - 102, First Floor, Grand Villa					
Prayadarsi Nagar, P.S. - Rupaspur Distt - Patna, (Bihar) - 801506					
Agreement No - 15(MBD)/2023-24					
Agreement Value:					
Const ⁿ Cost = Rs. 57,50,051.00					
Site's Maint. Cost = Rs. 11,59,884.00					
Total Cost = Rs. 69,09,935.00					
Date of Commencement: 24.07.2023					
Date of Completion: 23. 04. 2024					
Rate Quoted = -10.00% below					
(1/2) Clearing and Grubbing roadlands					
2X 269 X 1.00 = 538.00 m ²					
2X 488 X 1.00 = 976.00 m ²					
2X 125 X 1.00 = 250.00 m ²					
2X 212 X 1.00 = 424.00 m ²					
2X 74 X Continuation = 148.00 m ²					
2336.00 m ²					
2336.00 m ² ÷ 10000 = 0.23 hect.					

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/4) Construction of G.S.B. with gouding-1 material					
					$9 \times 30 \times 0.30 \times 0.20 = 16.20 \text{ m}^3$
					$2 \times 16 \times 30 \times 0.30 \times 0.20 = 57.60 \text{ m}^3$
					<u>73.80 m^3</u>
(3/5) D/L/S/C NBM 90.75					
					$9 \times 30 \times 0.30 \times 0.075 = 6.07 \text{ m}^3$
					$2 \times 16 \times 30 \times 0.30 \times 0.075 = 21.60 \text{ m}^3$
					<u>27.67 m^3</u>
(4/6) Prime Coat SS-1					$\text{Area Vido 90.75} = 27.67 \text{ m}^2 \div 0.075 = 368.93 \text{ m}^2$
(5/8) P/A Prime Coat SS-1 Tack					
					$1 \times 8 \times \frac{9.35 + 3.70}{2} = 52.20 \text{ m}^2$
					$1 \times 28 \times \frac{3.70 + 4.10}{2} = 109.20 \text{ m}^2$
					$1 \times 56 \times \frac{4.10 + 3.70}{2} = 224.00 \text{ m}^2$
					$1 \times 50 \times \frac{3.70 + 3.30}{2} = 192.50 \text{ m}^2$
					$1 \times 52 \times \frac{3.80 + 3.90}{2} = 200.20 \text{ m}^2$
					$1 \times 23 \times \frac{3.90 + 4.10}{2} = 92.00 \text{ m}^2$
					$1 \times 56 \times \frac{4.10 + 4.10}{2} = 229.60 \text{ m}^2$
Link					$1 \times 10 \times \frac{10.20 + 4.30}{2} = 72.50 \text{ m}^2$
					$1 \times 20 \times \frac{4.36 + 3.75}{2} = 80.50 \text{ m}^2$
					$1 \times 45 \times \frac{3.75 + 6.50}{2} = 230.62 \text{ m}^2$
					$1 \times 24 \times \frac{6.50 + 3.75}{2} = 129.00 \text{ m}^2$
					$1 \times 08 \times \frac{3.75 + 4.00}{2} = 27.12 \text{ m}^2$
					$5 \times 30 \times \frac{4.00 + 4.00}{2} = 600.00 \text{ m}^2$
					$1 \times 45 \times \frac{4.00 + 3.75}{2} = 175.37 \text{ m}^2$
					$1 \times 80 \times \frac{3.75 + 3.75}{2} = 300.00 \text{ m}^2$
					$1 \times 07 \times \frac{3.75 + 3.75}{2} = 26.25 \text{ m}^2$
					$1 \times 35 \times \frac{3.75 + 4.25}{2} = 139.75 \text{ m}^2$
Continuation					<u>2735.06 m^2</u>
Qty of Prime Coat (4/6) (+)					<u>368.93 m^2</u>
Qty of MSS item (5/8) (+)					<u>421.88 m^2</u>
					<u>3665.63 m^2</u>
					<u>3664.89</u>

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/5) Patch Work with MSS					
Qty of Prime Coat					$= 368.93 \text{ m}^2$
$1 \times 15 \times 3.75$					$= 52.95 \text{ m}^2$
					421.88 m^2
(7/9) P/L SDBC					
Area of Tack Coat $\times 0.25$					
$= 2874.82 \text{ m}^2 \times 0.25$					$= 718.705 \text{ m}^2$
$= 71.87 \text{ m}^3$					
Limit $= 71.72 \text{ m}^3$					
(8/11) Constn of Panel Concrete Pavement					
$1 \times 17 \times \frac{4.10 + 5.10}{2} \times 0.125$					$= 9.775 \text{ m}^3$
$1 \times 7 \times \frac{5.10 + 6.50}{2} \times 0.125$					$= 5.075 \text{ m}^3$
$1 \times 18 \times \frac{6.50 + 4.50}{2} \times 0.125$					$= 12.375 \text{ m}^3$
$1 \times 25 \times \frac{4.50 + 3.90}{2} \times 0.125$					$= 13.125 \text{ m}^3$
$1 \times 47 \times \frac{3.90 + 3.90}{2} \times 0.125$					$= 22.913 \text{ m}^3$
$1 \times 6 \times \frac{3.90 + 7.30}{2} \times 0.125$					$= 4.200 \text{ m}^3$
$1 \times 5 \times \frac{7.30 + 3.75}{2} \times 0.125$					$= 4.453 \text{ m}^3$
After Gap: $1 \times 18 \times \frac{3.40 + 3.30}{2} \times 0.125$					$= 7.538 \text{ m}^3$
$1 \times 25 \times \frac{3.30 + 4.50}{2} \times 0.125$					$= 12.188 \text{ m}^3$
$1 \times 28 \times \frac{4.50 + 3.65}{2} \times 0.125$					$= 14.263 \text{ m}^3$
$1 \times 49 \times \frac{3.65 + 4.20}{2} \times 0.125$					$= 24.041 \text{ m}^3$
$1 \times 26 \times \frac{4.20 + 3.75}{2} \times 0.125$					$= 12.919 \text{ m}^3$
$1 \times 17 \times \frac{5.10 + 4.20}{2} \times 0.125$					$= 9.775 \text{ m}^3$
$1 \times 21 \times \frac{4.20 + 4.70}{2} \times 0.125$					$= 11.681 \text{ m}^3$
$1 \times 14 \times \frac{4.70 + 6.00}{2} \times 0.125$					$= 9.363 \text{ m}^3$
Continuation					
$1 \times 14 \times \frac{6.00 + 10.50}{2} \times 0.125$					$= 14.438 \text{ m}^3$
CO					$= 188.12 \text{ m}^3$
					187.119 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BF =	188	12 m ³
Link: 1x 4x		$\frac{5.20+3.70}{2}$		0.125	2.23 m ³
1x 11x		$\frac{3.70+3.70}{2}$		0.125	5.09 m ³
1x 19x		$\frac{3.70+4.10}{2}$		0.125	9.26 m ³
1x 16x		$\frac{4.10+3.10}{2}$		0.125	7.20 m ³
1x 4x		$\frac{3.10+4.10}{2}$		0.125	1.80 m ³
1x 20x		$\frac{4.10+7.90}{2}$		0.125	15.00 m ³
					228.70 m ³
					227.694 m ³
(8/22) P/R k/s Road marking with hot applied thermoplastic					
Compound in BT Road					
2x 269x		0.10			53.80 m ²
2x 488x		0.10			97.60 m ²
					151.40 m ²
					Limit = 150.00 m ²
(9/23) Road marking in CC Pavement					
2x 125x		0.10			25.00 m ²
2x 212x		0.10			42.40 m ²
2x 74x		0.10			14.80 m ²
					82.20 m ²
15.3.2024 JE 15.3.24 2					

Continuation

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/1) clearing and Grubbing roadlands item 1/1 VTMB					
P/1 = 0.23 hect @ Rs. 72697.86/hect					
= Rs. 16721.00					
(2/4) GSB gr. I item 2/4 VTMB					
P/2 - 73.80 m ³ @ Rs. 2468.05/m ³					
= Rs. 182142.00					
(3/5) LBM gr. III item 3/5 VTMB					
P/2 - 27.67 m ³ @ Rs. 2925.09/m ³					
= Rs. 80936.00					
(4/6) Prime Coat SS-1 item 4/6 VTMB					
P/2 - 368.73 m ² @ Rs. 60.14/m ²					
= Rs. 22187.00					
(5/7) Patch work with M.S. item 5/7 VTMB					
P/3 - 421.88 m ² @ Rs. 282.93/m ²					
= Rs. 119363.00					
(6/8) Tack Coat RS-1 item 6/8 VTMB					
P/2 - 3665.63 m ² @ Rs. 20.62/m ²					
3664.89 = Rs. 75585.00					
75570.00					
(7/9) SD BC item 7/9 VTMB					
P/3 - 71.72 m ³ @ Rs. 13917.06/m ³					
= Rs. 998132.00					
(8/11) Panel Concrete Pavement item 8/11 VTMB					
P/4 - 228.70 m ³ @ Rs. 9267.54/m ³					
227.69 = Rs. 210163.00					
211948.00					

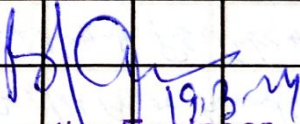
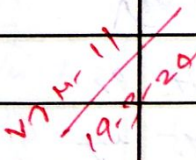
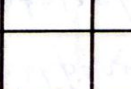
Continuation

CO Rs. 3614552.00

36,05,214.00

Bill value Rs 4,12,880.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1st n/c Bill:</u>					
I. Tax @ 25%			Rs 82 258		
GST @ 14%			Rs 34 855		
S. GST @ 14%			Rs 34 855		
L. cess @ 14%			Rs 41 129		
Royalty MD			Rs 83 551		
S. Fees			Rs 24 270		
S.D. @ 5%			Rs 20 564		
By cheque Value			Rs 360 318		
Total Bill Value			Rs 411 288		
Passed for Rs 411 288 (Rupees Forty one lacs twelve thousand eight hundred eighty only.					
 Executive Engineer Rural Works Department Works Division Sheikhpura					
 13/03/24  17/03/24					
 19/03/24  20/03/24					
FORAM NO PNB 202403100276 1st Dtr 20/03/24					

Continuation

2nd and Final Bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work: Construction of Road					
and CD work with Maintenance					
for Sheikhpara Aka RD Path					
Se Hussainabad Kachahari					
Via Makpa					
MR-N/2023-24, Sheikhpara 02					
Agency: M/s Bijay Construction					
Plot No-102, 1st Floor, Round Villa					
Piyadarsini Nagar, P.S. Purbaspur					
Distt- Patna (Bihar)- 801506					
Agreement No - 15(MB)/2023-24					
Agreement Value: 1500000					
Constn Cost = Rs. 5750051.00					
Str. Maint. Cost = Rs. 1159884.00					
Total Cost = Rs. 6909935.00					
Date of Commencement: 24.07.2023					
Date of Completion: 23.4.2024					
Actual Date of Completion 20.4.2024					
①/13 P/A km Stone ——— 2 nos.					
②/14 P/A 200M Stone ——— 3 nos.					
③/15 Direction and Place identification Sign					
1 x 1.20 x 0.80 = 0.96 m ²					
④/16 P/A 600mm equilateral Sign					
————— 2 nos.					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(15/17) P/D 600 mm Circular Sign - 3 nos.				
(16/18) P/D 600 x 450 mm rectangular Sign				
				2 nos.
(17/19) P/D 900 mm Octagonal Stop Board				
				1 nos.
(18/20) P/D Boundary Pillar - 4 nos.				
(19/24) P/D Logo of MMGSY Project - 2 nos.				
(20/2) Cons'n of Gabion and earthen shoulders				
				$25 \times 2 \times 30 \times 0.75 \times 4 = 337.50 \text{ m}^3$
(21/3) Excavation in field				
				$25 \times 2 \times 30 \times 0.525 \times 0.275 = 216.56 \text{ m}^3$
(22/4) Cons'n of GSB with grad. Material				
				$13 \times 2 \times 30 \times 0.525 \times 0.20 = 89.90 \text{ m}^3$
(23/5) P/D site within grad. area				
				$13 \times 2 \times 30 \times 0.375 \times 0.075 = 21.94 \text{ m}^3$
				$16 \times 2 \times 30 \times 0.375 \times 0.075 = 29.88 \text{ m}^3$
				38.89 m^3
(24/10) Cons'n of D/L Patch work with M/S				
				$3 \times 30 \times 3.75 = 337.50 \text{ m}^2$
(25/10) D/L				
				$27.5 \times 13 \times 1.50 \times 0.075 = 16.88 \text{ m}^3$
(26/11) Cons'n of D/L				
				$20.42 \times 2.28 = 46.56 \text{ m}^2$

Continuation

ABSTRACT OF COST

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Clearing and grubbing roadlands item 1/1 VTM B					
P/S - 0.23 hect. @ Rs. 72697.86/hect.					
					= Rs. 16721.00
(2/4) GSB gr. I item 2/4 VTM B					
89.70 m ³ item 2/4 VTM B					
P/S - 73.80 m ³ @ Rs. 2468.05/m ³					
163.70 m ³					= Rs. 182142.00
(3/5) LBM gr. II item 3/5 VTM B					
38.82 m ³ item 3/5 VTM B					
P/S - 27.67 m ³ @ Rs. 2925.04/m ³					
66.49					= Rs. 80936.10
(4/6) Prime Coat SS-1 item 4/6 VTM B					
P/S - 368.93 m ² @ Rs. 60.14/m ²					
					= Rs. 22187.00
(5/7) Patch work with M.S.S item 5/7 VTM B					
337.50 m ² item 5/7 VTM B					
P/S - 421.88 m ² @ Rs. 282.93/m ²					
759.38 m ²					= Rs. 119963.00
(6/8) Tack Coat RS-1 item 6/8 VTM B					
P/S - 3664.89 m ² @ Rs. 20.62/m ²					
					= Rs. 75570.00
(7/9) S.D.B.C item 7/9 VTM B					
P/S - 71.72 m ³ @ Rs. 13917.06/m ³					
					= Rs. 998132.00
(8/11) Pannel CC Pavement item 8/11 VTM B					
P/S - 227.69 m ³ @ Rs. 9267.54/m ³					
					= Rs. 210163.00

Continuation

Co Rs. 3605214.00

(9/12) Consoln of Subgrade and earthen shoulder
item 9/12 VTM B

P/S - 337.50 m³ @ Rs. 262.54/m³ = Rs. 88602.00

Co Rs. 3693821.00

4124737.00

(10/12) Excavation of soil deposited item 12/12 VTM B
 P/10 - 21656 m³ @ Rs. 103.03/m³ = Rs. 22489.10

(11/12) D.L.C item 25/10 VTM B
 P/10 - 16.88 m³ @ Rs. 7002.70/m³
 12 = Rs. 118224.10

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BP Rs. 36052.14.00
(12/13) KM Stone item 1/13 VTM B					
P/9 - 20.05 @ Rs. 2954.03 / each					
					= Rs. 5908.10
(13/14) 200 M Stone item 2/14 VTM B					
P/9 - 30.05 @ Rs. 829.83 / each					
					= Rs. 2489.10
(15/15) Direction and Place identification					
Sign Board item 3/15 VTM B					
P/9 - 0.96 m ² @ Rs. 15060.95 / m ²					
					= Rs. 14459.10
(16/16) P/R 600 mm equilateral A Sign					
item 4/16 VTM B					
P/9 - 2 nos @ Rs. 4530.77 / each					
					= Rs. 9062.00
(17/17) 600 mm Circular Sign item 5/17 VTM B					
P/10 - 3 nos @ Rs. 440.24 / each					
					= Rs. 13222.00
(18/18) 600 x 450 mm rectangular Sign					
item 6/18 VTM B					
P/10 - 2 nos @ Rs. 426.26 / each					
					= Rs. 8523.10
(19/19) 900 mm Octagonal stop Board					
item 7/19 VTM B					
P/10 - 1 no @ Rs. 8775.32 / each					
					= Rs. 8775.10

Continuation

Co Rs. 3667652.10
 4327858.10

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF Rs. 3667652.00
(20/20) Guard Pillar item 820 VTM B					
P/10 - 04 nos @ Rs. 744.38 / each					
					= Rs. 3178.00
(21/22) Road marking on BT item 914					
P/6 - 150.00 m ² @ Rs. 886.39 / m ²					
					= Rs. 132959.00
(22/23) Road marking in CE item 1023 VTM					
P/6 - 82.20 m ² @ Rs. 993.40 / m ²					
					= Rs. 81657.00
(23/24) Logo of MMGSY Project					
item 924 VTM B					
P/10 - 2 nos @ Rs. 13721.85 / each					
					= Rs. 27444.00
					Rs. 4593096.00
					Rs. 3912890.00
Add @ 18% GST (+) Rs.					823157.00
					704320.00
Add @ 1% LC (+) Rs.					45731.00
					39129.00
Add @ 10% SP Vide Ist R/A Bill (+) Rs.					24270.00
					Rs. 4680609.00
Less @ 10% below Capex Agreement (-) Rs.					468061.00
					Rs. 4212548.00
Deduct for previous Payment (-) Rs.					4112880.00
					Rs. 99668.00
S.F. vide this Bill E/W: 554.06 m ² @ Rs. 51 = Rs.					1945.00
(24/25) GSB: 89.90 m ³ @ Rs. 49.04 = Rs.					4409.00
(25/26) 2nd WBM: 38.82 m ³ @ Rs. 6376 = Rs.					2474.00
(26/27) MBS: 337.50 m ³ @ Rs. 1.74 = Rs.					587.00
(27/28) DCC: 16.20 m ³ @ Rs. 54.50 = Rs.					920.00
					Rs. 34605.00
Continuation					
Material statement					
Rs. 5476589.00					

20/4/2024
SE

<u>Material</u>	<u>Statement</u>	<u>Royalty</u>
E/W =	554.06 m ³	Rs. 18284 =
Stone Aggregate:	127.58 m ³	Rs. 19137 =
Coarse Sand =	42.56 m ³	Rs. 6384 =
Stone Screening =	10.35 m ³	Rs. 1553 =
Mossam =	3.11 m ³	Rs. 467 =
Stone chips =	22.61 m ³	Rs. 3392 =
S-90 =	0.590 MT	Total Rs. 49217 =
Waste Plastic =	0.051 MT	Limit = 20,000
S. Fees Limit & Rs. 5,000		
20.4.2024 20.4.2024		

Continuation

Continuation