

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR



17 FEB 2023

Supplementary Agreement No... 15 MSB/2022-23 to 46 MSB/2022-23
This Agreement made on 06 March 23

Between The Executive Engineer, Rural Works Department, Works Division, Motihari, of the one part M/S Nikumbh Bhardwaj Constuction. At- Chandmari, Near Bhanu Lodge, Motihari, Dist- East Champaran. the hereinafter called the Contractor the other part.

Whereas the Employer is desirous that the Contractor execute Output and performance based Rural Road contract for the maintenance of Roads MR-N/21-22 Motihari/04 Under Scheme MR-3054.(herein after called "The Works") and the Employer has accepted the Bid by the Contractor for the execution of such Works and the remedying of any defects therein, at a contract price of Rs. 2233312.00 (Twenty two lakh thirty three thousand three hundred twelve only)

S.No.	Package No.	Road Name	Length [Km]
1	MR-N/21-22 Motihari/04	Motihari Rulahi PWD Road to Sahani tola	3.35
2		Motihari Rulahi PWD Road to Majhar	2.00
3		Dhekaha PMGSY Road to Mahuawa tola tak	0.50
4		L 023 to Bin Toli	1.90

NOW THIS AGREEMENT WITNESSETH and the Parties hereto agree as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the General condition hereafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the contract.

M/s Nikumbh Bhardwaj Construction

Partner

Executive Engineer
R.W.D. Division

Rural Works Department, Works Division, Motihari

Sl. No.	Name of Road	(Block)	Length (K.M.)	Cost of BOQ (In Rs) on 12 %		Total Cost of BOQ on 12 % (In Rs)	Cost of BOQ (In Rs) on 18 %		Total Cost of BOQ on 18 % (In Rs)
				Const.	Maint.		Const.	Maint.	
1	Motihari Rulahi PWD Road to Sahani tola	Motihari	3.35	15163724.00	3520056.00	18683780.00	15963145.00	3706730.00	19669875.00
2	Motihari Rulahi PWD Road to Majhar	Motihari	2.00	6920956.00	2300417.00	9221373.00	7286067.00	2422407.00	9708474.00
	Dhekaha PMGSY Road to Mahuwa tola tak	Motihari	0.50	2528872.00	371770.00	2900642.00	2662146.00	391472.00	3053618.00
	L 023 to Bin Toli	Motihari	1.9	9556821.00	1941346.00	11498167.00	10060997.00	2044309.00	12105307.00
	Total			34170373.00	8133589.00	42303962.00	35972355.00	8564918.00	44537274.00

Revised due to increased in G.S.T.

E.O.O Approved for Construction Cost 'PART-A' Sl. No. 1 To.....For

₹ 35972355.00 = Three Crores Fifty nine

Seventy two thousand three hundred fifty five

And maintenance Cost 'PART-B' of Rs. 8564918.00

₹ Eighty five sixty four

hundred Eighteen only.)

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, मोतिहारी

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मोतिहारी।

₹ 42,30,39,620.00

M/s Nikumbh Bhardwaj Construction

Partner

S.E. (R.W.D.)
Works Circle

	Item Description	As Per Sanctioned Estimate / BOQ on 12 % GST				As Per Revised Estimate / BOQ on 18 % GST				Difference		% (+/-) Amount	Remarks
		Units	Quantity	Estimated Rate	Total Amount Without Taxes	Quantity	Estimated Rate	Total Amount Without Taxes	Quantity	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	
	MOTIHARI RULAHII PWD ROAD TO SAHANI TOLA												
1	Clearing and Grubbing Road I.and (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	Ha	0.60	59726.13	35835.68	0.60	59726.13	35835.68	0.00	0.00	0.00%		
2	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead	Cum	10.50	99.69	1046.75	10.50	99.69	1046.75	0.00	0.00	0.00%		
3	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification.	Cum	1809.00	243.34	440202.06	1809.00	243.34	440202.06	0.00	0.00	0.00%		
4	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 405 GRADING - II	Cum	130.72	3394.47	443725.12	130.72	3394.47	443725.12	0.00	0.00	0.00%		
5	WBM GRADING - I - Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	Cum	238.43	4699.98	1120616.23	238.43	4699.98	1120616.23	0.00	0.00	0.00%		
6	WBM GRADING - III - Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and	Cum	336.61	4044.97	1361577.35	336.61	4044.97	1361577.35	0.00	0.00	0.00%		

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Partner

Spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.										
8	MIX SEAL SURFACING - Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10	Sqm	4488.13	256.91	1153045.48	4488.13	256.91	1153045.48	0.00	0.00%
9	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydriloc broom as per technical specification clause 503.	Sqm	14714.38	20.35	299437.63	14714.38	20.35	299437.63	0.00	0.00%
10	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @	Cum	255.66	13899.28	3553489.92	255.66	13899.28	3553489.92	0.00	0.00%
11	Construction of un-reinforced plain cement thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1501.2.2 M 30 grade coarse and fine aggregate maximum size of aggregate not	Cum	402.19	7766.12	3123455.80	402.19	7766.12	3123455.80	0.00	0.00%
12	KM Stone- Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703.	No.	5.00	2835.13	14175.65	5.00	2835.13	14175.65	0.00	0.00%
13	200 M Stone- Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703.	No.	14.00	773.13	10823.82	14.00	773.13	10823.82	0.00	0.00%
14	600 mm equilateral & triangle - Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 100 mm below ground level as per drawings and Technical Specification Clause 1701.2.3	Nos	14.00	4205.12	58871.68	14.00	4205.12	58871.68	0.00	0.00%
15	600 mm rectangular - Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 600 mm below ground level as per drawings and Technical Specification Clause 1701.2.3	Nos	14.00	5469.71	76575.94	14.00	5469.71	76575.94	0.00	0.00%
16	600 mm x 450 mm rectangular - Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 600 mm below ground level as per drawings and Technical Specification Clause 1701.2.3	Nos	10.00	4711.26	47112.60	10.00	4711.26	47112.60	0.00	0.00%
17	Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1701	Nos	40.00	626.64	25065.60	40.00	626.64	25065.60	0.00	0.00%
18	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	height p	880.00	0.60	528.00	880.00	0.60	528.00	0.00	0.00%

M/s Nikumbh Bhardwaj Construction
 31/07/2024 BNC/24/2

19 Planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year

20	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished	Sqm	552.00	762.51	420905.52	552.00	762.51	420905.52	0.00	0.00	0.00%
21	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5	Sqm	130.00	857.13	111426.90	130.00	857.13	111426.90	0.00	0.00	0.00%
22	Providing and fixing of typical MMSY: informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top	No.	3.00	14278.90	42836.70	3.00	14278.90	42836.70	0.00	0.00	0.00%
23	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and	cum	11.52	8559.11	98600.95	11.52	8559.11	98600.95	0.00	0.00	0.00%
24	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	80.64	203.22	16387.66	80.64	203.22	16387.66	0.00	0.00	0.00%
25	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as	sqm	234.24	110.32	25841.36	234.24	110.32	25841.36	0.00	0.00	0.00%
26	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	cum	62.61	314.41	19685.21	62.61	314.41	19685.21	0.00	0.00	0.00%
27	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108 - rate as per item No. 11.2 (I) of Chapter 11	cum	4.02	534.54	2148.85	4.02	534.54	2148.85	0.00	0.00	0.00%
28	Providing PCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802,	cum	5.58	6697.23	37370.54	5.58	6697.23	37370.54	0.00	0.00	0.00%
29	Providing Reinforced cement RCC GRADE M-25 concrete in box cell complete as per drawings and technical specification Clauses 802, 804, 805,	cum	28.70	8348.91	239613.72	28.70	8348.91	239613.72	0.00	0.00	0.00%
30	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (Gravular Materials)	cum	16.56	3140.70	52009.99	16.56	3140.70	52009.99	0.00	0.00	0.00%
31	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe	Each	28.00	115.29	3228.12	28.00	115.29	3228.12	0.00	0.00	0.00%
32	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less	cum	16.80	3920.63	65866.58	16.80	3920.63	65866.58	0.00	0.00	0.00%
33	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses	MT	2.04	75562.88	154148.28	2.04	75562.88	154148.28	0.00	0.00	0.00%
	Total Construction Amount Excluding All Taxes				13394683.58			13394683.58	0.00	0.00	0.00%
	GST @ 12%/18% on Total Construction Cost				1607362.03			2411043.05	0.00	803681.02	50.00%
	Labour Cess @ 1 % on Total Construction Cost				133946.84			133946.84	0.00	0.00	0.00%
	Add Seigniorage Fee				108527.56			108527.56	0.00	0.00	0.00%
	Total Construction Amount Including All Taxes				15244520.01			16048201.02	0.00	803681.02	5.27%

M/s Nikumbh Bhardwaj Construction

Partner

Total Construction						15163724.05				15963145.56			
1st Year Maintenance cost	YEAR	1.00	299500.00	1.00	299500.00	299500.00	1.00	299500.00	0.00	0.00	0.00%		
2nd Year Maintenance cost	YEAR	1.00	368900.00	1.00	368900.00	368900.00	1.00	368900.00	0.00	0.00	0.00%		
3rd Year Maintenance cost	YEAR	1.00	945100.00	1.00	945100.00	945100.00	1.00	945100.00	0.00	0.00	0.00%		
4th Year Maintenance cost	YEAR	1.00	492500.00	1.00	492500.00	492500.00	1.00	492500.00	0.00	0.00	0.00%		
5th Year Maintenance cost	YEAR	1.00	1021800.00	1.00	1021800.00	1021800.00	1.00	1021800.00	0.00	0.00	0.00%		
Total Maintenance Amount Excluding All Taxes						3127800.00				3127800.00	0.00%		
GST @ 12%/18% on Total Maintenance Cost						375336.00				563004.00	50.00%		
Labour Cess @ 1 % on Total Maintenance Cost						31278.00				31278.00	0.00%		
Add Seigniorage Fee						4398.26				4398.26	0.00%		
Total Maintenance Amount Including All Taxes						3538812.26				3726480.26	5.30%		
Less 0.53% Below as per Agreement (-)						18755.70				19750.35			
Total Maintenance						3520056.56				3706729.91			
COST OF PROJECT IN RS. (A+B) =						18683780.61				19669875.47			

Verified

22/02/23

Executive Engineer
R.W.D. (V) Division
Mothur

M/s Nikumbh Bhardwaj Construction
Nikumbh Bhardwaj
Partner