

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000



बिहार BIHAR

28 MAR 2023

1364
1615023

15/11/2023 11/11/2023 9/11/2023
1000X1=1000

AS 854239

मुख्य अधिकारी
कचहरी कार्यालय, मोतिहारी
फा. सं-142-89

Supplementary Agreement

Supplementary Agreement No. 02 MRD/2023-24 to 23 MRD/2022-23

This Agreement made on 09 June 2023 Between The Executive Engineer, Rural Works Department, Works Division, Motihari, of the one part M/s Kshitij Construction, At- Kanth Chhapra, P.S.- Kotwa, 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/22-23 Motihari/07 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. 2153985.00 (Twenty one lakh fifty three thousand nine hundred eighty five only)

S.No.	Package No.	Road Name	Length [Km]
1	MR-N/22-23 Motihari/07	L029 To Musahar Toli	2.650
2		Motihari Jail Gate To House of Rakesh Singh	1.100
3		L029 To Bhisada	3.100

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 KSHITIJ CONSTRUCTION

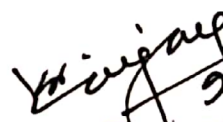
Kshitij PARTNER

Executive Engineer

Executive Engineer
R.W.D. Division
Motihari

Revised Abstract of BOQ for Package No- MR-N/22-23 MOTIHARI/ 07

S.No.	Name of Road	(Block)	Length (K.M.)	Cost of BOQ on 18 % (In Rs)		Total Cost of BOQ on 18 % (In Rs)
				Const.	Maint.	
	L029 to Bhaisada	Turkauliya	3.1	11696629.66	4064398.558	15761028.22
	Motihari Jail Gate to House of Rakesh Singh	Turkauliya	1.1	10427350.69	832093.0269	11259443.72
	L029 to Musahar Toli	Turkauliya	2.65	12626373.73	3381482.074	16007855.8
				34750354.08	8277973.659	43028327.74


 Executive Engineer
 R.W.D. (W) Division
 9/6/23

M/S KSHITIJ CONSTRUCTION

Kshitij Raj
 PARTNER

Revised Abstract of BOQ for Package No- MR-N/22-23 MOTIHARI/ 07
Rural Works Department, Works Division, Motihari.

S.No.	Name of Road	(Block)	Length (K.M.)	Cost of BOQ on 12 % (In Rs)		Total Cost of BOQ on 12 % (In Rs)	Cost of BOQ on 18 % (In Rs)		Total Cost of BOQ on 18 % (In Rs)
				Const.	Maint.		Const.	Maint.	
1	L029 to Bhaisada	Turkauliya	3.100	11111828.00	3859695.95	14971523.95	11696629.66	4064398.56	15761028.22
2	Motihari Jail Gate to House of Rakesh Singh	Turkauliya	1.100	9906838.29	790170.39	10697008.68	10427350.69	832093.03	11259443.72
3	L029 to Musahar Toli	Turkauliya	2.650	11994632.32	3211177.37	15205809.69	12626373.73	3381482.07	16007855.80
			Total	33013298.61	7861043.71	40874342.32	34750354.08	8277973.66	43028327.74

Verified 22/2/23
 Executive Engineer
 Rural Works Department
 Works Division, Motihari

*Revised B.O.Q. (Due to increase in G.S.T. from 12% to 18%)
 is approved for Rs. 43028328.00
 (Rupees four crore thirty lakh & twenty thousand & eight hundred & eighty
 -eight thousand eight hundred & eighty only. Follow the instructions
 laid in letter No-237 dt 20.01.2023 of A.C.E.O.
 BRDA for further action).*

M/S KSHITU CONSTRUCTION
KSHITU

Verified 9/6/23
 Executive Engineer
 R.W.D. (W) Division
 Motihari

Superintending Engineer
 Rural Works Department
 Works Circle, Motihari

	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
	L029 to Bhaizada										13
1	Clearing and Grubbing Road Land (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	0.62	59726.13	37030.20	0.62	59726.13	37030.20	0.00	0.00	0.00%
2	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	2790.00	243.57	679560.30	2790.00	243.57	679560.30	0.00	0.00	0.00%
3	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 401. GRADING - II	Cum	74.85	3785.26	283326.71	74.85	3785.26	283326.71	0.00	0.00	0.00%
4	WBM GRADING - II - 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,	Cum	126.25	5886.72	743198.40	126.25	5886.72	743198.40	0.00	0.00	0.00%
5	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 brooming, stone screening to fill-up the interstices of coarse aggregate,	Cum	245.27	5212.15	1278384.03	245.27	5212.15	1278384.03	0.00	0.00	0.00%
6	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	3270.27	59.59	194875.39	3270.27	59.59	194875.39	0.00	0.00	0.00%

APPROVED
Executive Engineer
Rural Works Department
Works Circle, Motihari

Kishor Kumar
Kishor Kumar
Kishor Kumar

	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 kN static roller and finishing to required level and grades as per Technical Specification Clause 509.	Sqm	3270.27	261.02	853605.88	3270.27	261.02	853605.88	0.00	0.00%
8	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 celled with hydrilloc broom as per technical specification clause 503.	Sqm	15011.52	20.28	304433.63	15011.52	20.28	304433.63	0.00	0.00%
9	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 @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects.	Cum	293.54	14399.00	4226682.46	293.54	14399.00	4226682.46	0.00	0.00%
10	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	3121.06	15605.30	5.00	3121.06	15605.30	0.00	0.00%
11	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.	13.00	824.49	10718.37	13.00	824.49	10718.37	0.00	0.00%
12	600 mm equilateral & triangle - Providing and fixing of retro-reflectors cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over	Nos	14.00	4557.99	63811.86	14.00	4557.99	63811.86	0.00	0.00%
13	600 mm circular - Providing and fixing of retro-reflectors cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting.	Nos	14.00	5999.63	83994.82	14.00	5999.63	83994.82	0.00	0.00%
14	600 mm x 450 mm rectangular - Providing and fixing of retro-reflectors cautionary, mandatory and informatory 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, 600 mm below ground level as per drawings and Technical Specification Clause 801.	Nos	11.00	5129.31	56422.41	11.00	5129.31	56422.41	0.00	0.00%
15	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	Nos	40.00	651.37	26054.80	40.00	651.37	26054.80	0.00	0.00%
16	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	0.61	536.80	880.00	0.61	536.80	0.00	0.00%
17	Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the	Each	140.00	1011.06	141548.40	140.00	1011.06	141548.40	0.00	0.00%

AW.D. (M) Division

29/6/23

Kishu P. B.

19	surface to be level, uniform and free from streaks and holes. (BT) 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 and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron	No.	3.00	15168.45	45505.35	3.00	15168.45	523898.64	0.00	0.00	0.00%
20	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	cum	14.40	8915.22	128379.17	14.40	8915.22	128379.17	0.00	0.00	0.00%
21	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	100.80	218.91	22066.13	100.80	218.91	22066.13	0.00	0.00	0.00%
22	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as	sqm	292.80	115.72	33882.82	292.80	115.72	33882.82	0.00	0.00	0.00%
	Total Construction Amount Excluding All Taxes				9753521.85			9753521.85	0.00	0.00	0.00%
	GST @ 12%/18% on Total Construction Cost				1170422.62			1755633.93	0.00	585211.31	50.00%
	Labour Cess @ 1 % on Total Construction Cost				97535.22			97535.22	0.00	0.00	0.00%
	Add Seigniorage Fee				98132.03			98132.03	0.00	0.00	0.00%
	Total Construction Amount Including All Taxes				11119611.73			11704823.04	0.00	585211.31	5.26%
	Less 0.07% Below as per Agreement (-)				7783.73			8193.38			
A	Total Construction				11111828.00			11696629.66			
	1st Year Maintenance cost	YEAR	1.00	318200.00	318200.00	1.00	318200.00	318200.00	0.00	0.00	0.00%
	2nd Year Maintenance cost	YEAR	1.00	437900.00	437900.00	1.00	437900.00	437900.00	0.00	0.00	0.00%
	3rd Year Maintenance cost	YEAR	1.00	1011200.00	1011200.00	1.00	1011200.00	1011200.00	0.00	0.00	0.00%
	4th Year Maintenance cost	YEAR	1.00	557500.00	557500.00	1.00	557500.00	557500.00	0.00	0.00	0.00%
	5th Year Maintenance cost	YEAR	1.00	1089300.00	1089300.00	1.00	1089300.00	1089300.00	0.00	0.00	0.00%
	Total Maintenance Amount Excluding All Taxes				3414100.00			3414100.00	0.00	0.00	0.00%

Executive Engineer

R.W.D. (W) Division

27/10/23

MIS KSHITIJ CONSTRUCTION

KSHITIJ R. J. PARTNER

PACKAGE No. - MR-N/22-23 MOTHARI/07 Length of the Road:- 1.260 k.m.													
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 Mothari Jail Gate to House of Rakesh Singh	3	4	5	6	7	8	9	10	11	12	13	
1	Clearing and Grubbing Road Land (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	0.22	59726.13	13139.75	0.22	59726.13	13139.75	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	141.56	99.69	14112.12	141.56	99.69	14112.12	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	990.00	243.57	241134.30	990.00	243.57	241134.30	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 401. GRADING - II	Cum	84.75	3294.71	279226.67	84.75	3294.71	279226.67	0.00	0.00	0.00%		
5	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 brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification.	Cum	81.56	4619.43	376760.71	81.56	4619.43	376760.71	0.00	0.00	0.00%		
6	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	1087.47	59.44	64639.22	1087.47	59.44	64639.22	0.00	0.00	0.00%		

W.D. (W) Division
Executive Engineer
Rural Works Department
Works Circle, Motihari

Kulbir Singh
P. 20/10/23

17	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 surface to be level, uniform and free from streaks and holes. (PCC)	Sqm	8.00	823.74	6589.92	8.00	823.74	6589.92	0.00	0.00%
18	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 surface to be level, uniform and free from streaks and holes. (PCC)	Sqm	220.00	925.46	203601.20	220.00	925.46	203601.20	0.00	0.00%
19	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 and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron	No.	3.00	15021.33	45063.99	3.00	15021.33	45063.99	0.00	0.00%
20	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	cum	5.76	8510.85	49022.50	5.76	8510.85	49022.50	0.00	0.00%
21	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	40.32	209.78	8458.33	40.32	209.78	8458.33	0.00	0.00%
22	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and technical specification clause 1104	sqm	117.12	115.72	13553.13	117.12	115.72	13553.13	0.00	0.00%
23	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1108	cum	146.25	314.41	45982.46	146.25	314.41	45982.46	0.00	0.00%
24	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108 - rate as per item No. 11.2 (f) of Chapter 11	cum	9.38	536.71	5034.34	9.38	536.71	5034.34	0.00	0.00%
25	Brick Flat Soling in foundation:- Brick Flat Soling in foundation Trenches as per drawing and technical specification Clause 1108	sqm	28.64	311.67	8926.23	28.64	311.67	8926.23	0.00	0.00%
26	Providing PCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	cum	15.35	7178.42	110188.75	15.35	7178.42	110188.75	0.00	0.00%
27	Brick Masonry work in cement mortar (1:4) in head wall complete as per drawing and technical specification clause 1109 in cement mortar 1:4	cum	26.51	6292.24	166807.28	26.51	6292.24	166807.28	0.00	0.00%
28	Providing and laying 1000 mm Dia RCC pipe NP-3 for culverts on first class bedding of PCC M10 (1:3:6) in single row including fixing collar with cement	m	7.50	7429.59	55721.93	7.50	7429.59	55721.93	0.00	0.00%
29	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	36.40	209.78	7635.99	36.40	209.78	7635.99	0.00	0.00%
30	Providing 1.5 mm cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I	sqm	13.26	64.89	860.44	13.26	64.89	860.44	0.00	0.00%
31	Providing Reinforced cement RCC GRADE M-25 concrete in box cell complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	cum	60.42	8744.31	528331.21	60.42	8744.31	528331.21	0.00	0.00%
32	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (Gravular Materials)	cum	22.20	3432.74	76206.83	22.20	3432.74	76206.83	0.00	0.00%
33	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe	Each	42.00	129.69	5446.98	42.00	129.69	5446.98	0.00	0.00%
34	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	28.32	4176.58	118280.75	28.32	4176.58	118280.75	0.00	0.00%

Supervising Engineer
Rural Works Department
Works Circle, Miththari

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

M/S KSHITIJ CONSTRUCTION

Kshitiy R7

AMOUNT EXCLUDING ALL TAXES									
	GST @ 12%/18% on Total Construction Cost					8681283.57	256396.49	0.00	0.00%
	Labour Cess @ 1 % on Total Construction Cost					1041754.03	0.00	0.00	0.00%
	Add Seigniorage Fee					86812.84	1562631.04	0.00	50.00%
	Total Construction Amount Including All Taxes					103927.50	86812.84	0.00	0.00%
	Less 0.07% Below as per Agreement (-)					9913777.94	103927.50	0.00	0.00%
A	Total Construction					6939.64	10434654.95	0.00	5.25%
	1st Year Maintenance cost	YEAR 1.00				9906838.29	7304.26		
	2nd Year Maintenance cost	YEAR 1.00				51100.00	51100.00	0.00	0.00%
	3rd Year Maintenance cost	YEAR 1.00				60100.00	60100.00	0.00	0.00%
	4th Year Maintenance cost	YEAR 1.00				250400.00	250400.00	0.00	0.00%
	5th Year Maintenance cost	YEAR 1.00				78200.00	78200.00	0.00	0.00%
	Total Maintenance Amount Excluding All Taxes					259400.00	259400.00	0.00	0.00%
	GST @ 12%/18% on Total Maintenance Cost					699200.00	699200.00	0.00	0.00%
	Labour Cess @ 1 % on Total Maintenance Cost					83904.00	125856.00	0.00	50.00%
	Add Seigniorage Fee					6992.00	6992.00	0.00	0.00%
	Total Maintenance Amount Including All Taxes					627.90	627.90	0.00	0.00%
	Less 0.07% Below as per Agreement (-)					790723.90	Superintending Engineer Rural Works Department 832675.90	0.00	5.31%
B	Total Maintenance					553.51	Works Circle, Mohan	582.87	
	COST OF PROJECT IN RS. (A+B) =					790170.39	832093.03		
	M/S KSHANU CONSTRUCTION					10697008.68	11259443.72	0.00	5.26%

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

Ajay k
9/10

25/2/23

K4477 f7

PACKAGE No. - MR-N/22-23 MOTHIHARI/ 07 Length of the Road:- 1.620 k.m.													
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	Amount		
1	L029 to Musahar Toli	3	4	5	6	7	8	9	10	11	12	13	
1	Clearing and Grubbing Road Land (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	0.53	59726.13	31654.85	0.53	59726.13	31654.85	0.00	0.00	0.00%		
2	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	2385.00	243.57	580914.45	2385.00	243.57	580914.45	0.00	0.00	0.00%		
3	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 401. GRADING - II	Cum	49.32	3852.14	189987.54	49.32	3852.14	189987.54	0.00	0.00	0.00%		
4	WBM GRADING - II - 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	83.64	5978.61	500050.94	83.64	5978.61	500050.94	0.00	0.00	0.00%		
5	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 brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification.	Cum	162.23	5292.98	858680.15	162.23	5292.98	858680.15	0.00	0.00	0.00%		
6	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	2163.07	59.61	128940.60	2163.07	59.61	128940.60	0.00	0.00	0.00%		

M/S KSHITU CONSTRUCTION

Kulij R

EXECUTIVE ENGINEER

R.W.D. (N) Division

3/11/23

		2163.07	262.57	567957.29	2163.07	262.57	567957.29	2163.07	262.57	567957.29	0.00	0.00	0.00%
8	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 hydrilloc broom as per technical specification clause 503.	Sqm											
9	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 @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, 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	Sqm	12010.57	20.29	243694.47	12010.57	20.29	243694.47	0.00	0.00	0.00%		
10	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.	Cum	246.19	14481.74	3565259.57	246.19	14481.74	3565259.57	0.00	0.00	0.00%		
11	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.	Cum	30.94	8768.29	271290.89	30.94	8768.29	271290.89	0.00	0.00	0.00%		
12	600 mm equilateral & triangle - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of 600 mm circular - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over	No.	4.00	3140.19	12560.76	4.00	3140.19	12560.76	0.00	0.00	0.00%		
13	600 mm equilateral & triangle - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of 600 mm circular - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over	No.	11.00	827.93	9107.23	11.00	827.93	9107.23	0.00	0.00	0.00%		
14	600 mm equilateral & triangle - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of 600 mm circular - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over	Nos	12.00	4567.42	54809.04	12.00	4567.42	54809.04	0.00	0.00	0.00%		
15	600 mm equilateral & triangle - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of 600 mm circular - Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over	Nos	12.00	6009.06	72108.72	12.00	6009.06	72108.72	0.00	0.00	0.00%		
16	Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and 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	Nos	9.00	5138.24	46244.16	9.00	5138.24	46244.16	0.00	0.00	0.00%		
17	Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge	height per	1056.00	0.61	644.16	1056.00	0.61	644.16	0.00	0.00	0.00%		
18	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	Each	93.00	1011.06	94028.58	93.00	1011.06	94028.58	0.00	0.00	0.00%		
19	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	532.00	823.74	438229.68	532.00	823.74	438229.68	0.00	0.00	0.00%		
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	10.00	925.46	9254.60	10.00	925.46	9254.60	0.00	0.00	0.00%		
21	Providing and fixing of typical MMGSY informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and	No.	3.00	15188.51	45565.53	3.00	15188.51	45565.53	0.00	0.00	0.00%		
22	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	5.76	8970.36	51669.27	5.76	8970.36	51669.27	0.00	0.00	0.00%		

Works Circle, Mohani

Executive Engineer

9/11/23

Signature

	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and technical specification clause 1104	sqm	117.12	115.72	117.12	115.72	13553.13	117.12	13553.13	0.00	0.000%
25	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	cum	254.72	314.41	254.72	314.41	80086.52	254.72	80086.52	0.00	0.000%
26	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	17.08	536.71	17.08	536.71	9167.01	17.08	9167.01	0.00	0.000%
27	Brick Flat Soling in foundation Trenches as per drawing and technical specification Clause 1108	sqm	57.28	311.67	57.28	311.67	17852.46	57.28	17852.46	0.00	0.000%
28	Providing PCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 1109	cum	27.94	7768.86	27.94	7768.86	217061.95	27.94	217061.95	0.00	0.000%
29	Brick Masonry work in cement mortar (1:4) in head wall complete as per drawing and technical specification clause 1109 in cement mortar 1:4	cum	53.02	6395.99	53.02	6395.99	339115.39	53.02	339115.39	0.00	0.000%
30	Providing and laying 1000 mm Dia RCC pipe NP-3 for culverts on first class bedding of PCC M10 (1:3:6) in single row including fixing collar with	m	15.00	7599.82	15.00	7599.82	113997.30	15.00	113997.30	0.00	0.000%
31	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	72.80	220.15	72.80	220.15	16026.92	72.80	16026.92	0.00	0.000%
32	Providing 1.5 mm cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I	sqm	26.52	65.34	26.52	65.34	1732.82	26.52	1732.82	0.00	0.000%
33	Providing Reinforced cement RCC GRADE M-25 concrete in box cell complete as per drawings and technical specification Clauses 802, 804, 805,	cum	105.90	9398.17	105.90	9398.17	995266.20	105.90	995266.20	0.00	0.000%
34	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (Gravel Materials)	cum	53.28	3990.16	53.28	3990.16	212595.72	53.28	212595.72	0.00	0.000%
35	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe	Each	84.00	129.69	84.00	129.69	10893.96	84.00	10893.96	0.00	0.000%
36	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	46.08	4871.98	46.08	4871.98	224500.84	46.08	224500.84	0.00	0.000%
37	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses	MT	6.22	75832.58	6.22	75832.58	471678.65	6.22	471678.65	0.00	0.000%
	Total Construction Amount Excluding All Taxes						10536398.91		10536398.91	0.00	0.000%
	GST @ 12%/18% on Total Construction Cost						1264367.87		1896551.80	632183.93	50.00%
	Labour Cess @ 1 % on Total Construction Cost						105363.99		105363.99	0.00	0.000%
	Add Seigniorage Fee						96903.68		96903.68	0.00	0.000%
	Total Construction Amount Including All Taxes						12003034.44		12635218.38	632183.93	5.27%
	Less 0.07% Below as per Agreement (-)						8402.12		8844.65		
A	Total Construction						11994632.35		12626373.73		

MS KSHITI CONSTRUCTION

Executive Engineer

Rural Works Department

Works Circle, Motihari

9/6/23

Atulya Rj

End Year Maintenance Cost	Year	1.00	352300.00	1.00	352300.00	352300.00	352300.00
3rd Year Maintenance cost	Year	1.00	844800.00	1.00	844800.00	844800.00	844800.00
4th Year Maintenance cost	Year	1.00	458500.00	1.00	458500.00	458500.00	458500.00
5th Year Maintenance cost	Year	1.00	912800.00	1.00	912800.00	912800.00	912800.00
Total Maintenance Amount Excluding All Taxes			2840400.00			2840400.00	0.00
GST @ 12%/18% on Total Maintenance Cost			340848.00			511272.00	0.00
Labour Cess @ 1 % on Total Maintenance Cost			28404.00			28404.00	0.00
Add Seigniorage Fee			3774.77			3774.77	0.00
Total Maintenance Amount Including All Taxes			3213426.77			3383850.77	0.00
Less 0.07% Below as per Agreement (-)			2249.40			2368.70	0.00
Total Maintenance			3211177.37			3381482.07	0.00
B			15205809.69			16007855.80	0.00
COST OF PROJECT IN RS. (A+B) =						802607.93	5.28%

6/9/23
 Executive Engineer
 R.W.D. (W) Division
 Superintending
 Rural Works Department
 Works Circle, Mithari

5/9/23
 5.6

M/S KSHITI CONSTRUCTION

KSHITI P. J.