



बिहार BIHAR
मोतिहारी
8 FEB 2023
हरीय कोषागार पदाधिकारी
पूरी चम्पारण, मोतिहारी

5182 कुशाकराष्ट्रकर्मणि काममामिनिवर्त
2/2/23 सतीश्वरी मेहता 1000 AS 965794

रामेश्वरी वास्तव
अरुण कुमार श्रीवास्तव

Supplementary Agreement

This Agreement made on 19.01.2023 Between The Executive Engineer, Rural Works Department, Works Division, Motihari, of the one part M/s Kumar Construction Co., At- New Chandmari, P.S- 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/22-23 Motihari/05 Under 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. 2186350.00 (Twenty one lakh eighty six thousand three hundred fifty only)

S.No.	Package No.	Road Name	Length [Km]
1	MR-N/22-23 Motihari/05	Parsouna to Panjiyarwa	1.980
2		L 027 to Koraiya Tola	1.200
3		T 01 to Shirkhandi	1.000
4		L 044- T01 to Nakardai	2.400

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 Kumar Construction Company
Suresh Kumar
Partner

अरुण कुमार श्रीवास्तव

23/2/23
Executive Engineer
R.W.D. (W. Division)
Motihari

Revised Abstract of BOQ for Package No- MR-N/22-23 Motihari/05
Rural Works Department, Works Division, Motihari.

S.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)	A.A. Value Letter No- 2136 dt 09.05.22
				Const.	Maint.		Const.	Maint.		
1	Parsouna to Panjiyarwa	Sugauli	1.980	7063765.00	2475303.00	9539068.00	7435863.00	2606584.00	10042447.00	99.372
2	L 027 to Koraiya Tola	Sugauli	1.200	5783300.00	1271742.00	7055042.00	6087522.00	1339901.00	7427423.00	71.26 Vile
3	T 01 to Shirkhandi	Sugauli	1.000	6169433.00	1039937.00	7209370.00	6494357.00	1095097.00	7589454.00	74.95 Vile
4	L 044- T01 to Nakardai	Sugauli	2.400	14683888.00	2977975.00	17661863.00	15456445.00	3135924.00	18592369.00	74.95 Vile
	Total			33700386.00	7764957.00	41465343.00	35474187.00	8177506.00	43651693.00	183.60

Revised (under G.S.T) B.O.Q. Approved for Construction Cost 'PART-A' of Rs. 1 To For
 ₹ 35,47,41,87.00 ₹ Three Crores fifty four Lacs
 And maintenance Cost 'PART-B' of Rs. 81,77,506.00
 ₹ hundred Eighty seven
 Crores Eighty one Lacs seven Thousand
 hundred and six only.

कार्यपालक अभियंता
 ग्रामीण कार्य विभाग,
 कार्य प्रमंडल, मोतिहारी।

अधीक्षक अभियंता
 ग्रामीण कार्य विभाग
 कार्य अंचल, मोतिहारी

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

M/s Kumar Construction Company
Signature
 Partner
 14.02.2023
 S.E. (R.W.D.)
 Works Circle

COMPARATIVE STATEMENT OF REVISED BOQ

PACKAGE No. - MR-N 22-23 MOTIHARI-05
Length of the Road:- 1.980 k.m.

Name of Road:- PARSOONA TO PANJIYARWA
District:- East Champaran
Block :- Sugauli

Block :- Sugauli District:- East Champaran		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		
		PARSOONA TO PANJIYARWA													
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	0.40	59726.13	23890.45	0.40	59726.13	23890.45	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	1782.00	243.57	434041.74	1782.00	243.57	434041.74	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	17.77	3985.94	70830.15	17.77	3985.94	70830.15	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	55.62	6162.44	342754.91	55.62	6162.44	342754.91	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	142.94	5454.64	779686.24	142.94	5454.64	779686.24	0.00	0.00	0.00%			
														Approved	Superintending Engineer Public Works Department 00

Approved
Superintending Engineer
Rural Works Department
Works Circle, Motihari

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

M/s Kumar Construction Company
Partner

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	1905.87	59.66	113704.20	59.66	113704.20	0.00	0.00%
7	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 kN static roller and finishing to required level and grades as per Technical Specification Clause 509.	Sqm	1905.87	265.67	506332.48	265.67	506332.48	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 hydriloc broom as per technical specification clause 503.	Sqm	9405.12	20.31	191017.99	20.31	191017.99	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	187.49	14647.23	2746209.15	14647.23	2746209.15	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.	3.00	3178.42	9535.26	3.00	9535.26	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.	8.00	834.82	6678.56	8.00	6678.56	0.00	0.00%
12	600 mm equilateral & triangle - Providing and fixing of retro-reflectors of 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 circular - Providing and fixing of retro-reflectors of 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, 600 mm below ground level as per drawings and Technical Specification Clause 801	Nos	22.00	4586.30	100898.60	22.00	100898.60	0.00	0.00%
13		Nos	22.00	6027.94	132614.68	22.00	132614.68	0.00	0.00%

Superintending Engineer
Rural Works Department
Works Circle, Meerut

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

M/s Kumar Construction Company
Partner

Total Construction					21285.06	22374.71			
A					7063765.06	7435863.35			
	1st Year Maintenance cost	YEAR	1.00		211100.00	211100.00	0.00	0.00	0.00%
	2nd Year Maintenance cost	YEAR	1.00		279400.00	279400.00	0.00	0.00	0.00%
	3rd Year Maintenance cost	YEAR	1.00		647200.00	647200.00	0.00	0.00	0.00%
	4th Year Maintenance cost	YEAR	1.00		358600.00	358600.00	0.00	0.00	0.00%
	5th Year Maintenance cost	YEAR	1.00		698300.00	698300.00	0.00	0.00	0.00%
	Total Maintenance Amount Excluding All Taxes				2194600.00	2194600.00	0.00	0.00	0.00%
	GST @ 12%/18% on Total Maintenance Cost				263352.00	395028.00	0.00	131676.00	50.00%
	Labour Cess @ 1 % on Total Maintenance Cost				21946.00	21946.00	0.00	0.00	0.00%
	Add Seigniorage Fee				2852.94	2852.94	0.00	0.00	0.00%
	Total Maintenance Amount Including All Taxes				2482750.94	2614426.94	0.00	131676.00	5.30%
	Less 0.30% Below as per Agreement (-)				7448.25	7843.28			
B	Total Maintenance				2475302.69	2606583.66			
	COST OF PROJECT IN RS. (A+B) =				9539067.75	10042447.01	0.00	504893.95	5.30%

Supervising Engineer
R.W.D. (W) Division
Works Circle, Madurai

23/3/23

Executive Engineer
R.W.D. (W) Division
Madurai
23/3/23

Mr. V. S. Construction Company
Sundar Kumar
Partner