



बिहार BIHAR 1000X1=1000, नवीन कुमार, सोना इन्फ्रा 8/07  
157/4 510 लिट, साबाकपुर वार्ड 392298  
21/3/20 रजिस्ट्रार उमेश कुमार कर्ण  
मुद्रांक विक्रेता, समस्तीपुर  
हा० नं०-2/2004

**AGREEMENT FORM**

Agreement No.- 15/07/2004

हस्ताक्षर - 25/6/2020  
अज्ञ. ए-1 नं० 24/6/2021


This agreement, made the ..... Day of ..... between The Executive Engineer, RWD, Works Division, Patori and Sona Infra Pvt. Ltd., At - H/o - Naweei Kumar vill - Ababakarpur, P.O - Manpura(Tajpur), P.S - Bangara, Distt - Samastipur - 848130 Bihar, Mobile No.- 8292679418 hereinafter called "The Contractor" of the other part.

Whereas The Employer is desirous that the Contractor execute the work - MR-N-19-20  
Patori/04 Tender Id 79226 Bid Id- 361633 under MR 3054- Details of estimate is as follow-

Sl. No.	Name of Road	Length in K.M	Const Cost in Rs	12% GST	1% Labour Cess	Const. Cost(4+5+6) in Rs	Less Quoted rate 10%	Maintenanc e Cost of Five Year	12% GST	1% Labour Cess	Total Maintenance Cost	Maintenance cost after deduction of quoted rate 10%	Grand Total cost deduction of quoted rate 10% (12+13)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mahendpur Nagar to Panchsagar Bera Samastipur	7.20	11782543.20	1655903.100	117825.30	1557450.250	14016830.25	59184.5500	710214.60	29184.60	6687854.20	6019068.78	2413545.00
2	Saravangpur to Sarvaha	1.90	8290555.00	111550.860	92906.00	1050522.00	9150698.18	32086.1900	385034.30	32086.20	3625739.50	3263165.28	1271790.30
3	Bhutha Patal Bata Samastipur to Bhatia Patal	5.30	7611977.20	911315.30	76119.80	8660291.20	7740262.08	43076.9600	396923.50	33077.00	3737696.50	3363926.83	1310410.00
TOTAL												17646160.91	13857957.42

*(Signature)*  
25/6/2020  
Executive Engineer  
P...

MR-3054					
BILL OF QUANTITIES (BOQ)					
Name of Road :	Bhurha Pool Raja Jaan to Ram Gama Bikku Road				
Block :	Mohludinagar	District :	Samastipur		
Length :	3.70 km				
Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
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	0.74	49,496.70	36627.56
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 Clause 303.1.	Cum	2,164.00	176.75	382487.00
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.	Cum	151.08	2,064.77	311945.45
4	<b>WBM Grading 2 ( By Mechanical Means) :-</b> 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 Clause 405.	Cum	129.23	3,775.45	487901.40
5	<b>WBM Grading 3 ( By Mechanical Means):-</b> 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 Clause 405.	Cum	219.26	3,398.12	745071.79

  
 19/7/19  
 EE  
 Rural Works Department  
 P-1 Division, Patna

SONA INFRACON PVT. LTD.  
 Naveen Kumar  
 MANAGING DIRECTOR

अधीक्षण अभियंता  
 ग्रामीण कार्य विभाग  
 कार्य अंशक, समस्तीपुर



Name of Road :	Bhurha Pool Raja Jaan to Ram Gama Bikku Road				
Block	Mohiudinagar	District :	Samastipur		
Length :	3.70 km				
Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
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	2,923.45	41.04	119978.39
7	Mix seal (Waste Plastic):-Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 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	3,024.70	200.05	605091.24
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	17,038.45	13.92	237175.22
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	350.35	10,033.57	3515261.25
<b>Kilometre stone</b>					
10	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.				
ii	ii) Km stone	No.	5	2,159.05	10795.25
iii	iii) 200 m stone	No.	15	599.48	8992.20

  
 19/12/19  
 P. K. Singh  
 Public Works Department  
 Works Division, Patna

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SONA INFRACON PVT. LTD.  
  
 MANAGING DIRECTOR


  
 25/12/22

Name of Road :	Bhurha Pool Raja Jaan to Ram Gama Bikku Road				
Block	Mohiudinagar	District :	Samastipur		
Length :	3.70 km				
Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
11	Retro-reflectorised Traffic Signs Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.	Sqm	1.92	12,278.20	23574.14
12	Providing and fixing of retro-reflectorised 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				
	600 mm equilateral & triangle	Nos	36	3,599.40	129578.40
	600 mm circular	Nos	14	3,698.75	51782.50
	600 mm x 450 mm rectangular	Nos	12	3,589.63	42835.56
	900 mm side octagon	Nos	4	7,562.42	30249.68
13	Providing and laying Rumble Strip with road studs and Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface				
i	Thermoplastic paint	Sqm	9	735.4	6618.60
ii	Road strips	Nos	72	218.63	15741.36
14	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 1704	Nos	72	488.66	35183.52
15	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 per	308	0.5	154.00

  
 19/12/19  
 Executive Engineer  
 Rural Works Department  
 W. D. Section, Patna


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SONIA KUMAR  
 MANAGING DIRECTOR

  
 25/12/20  
 अधीक्षण अभियंता  
 ग्रामीण कार्य विभाग  
 समस्तीपुर



Name of Road :	Bhurha Pool Raja Jaan to Ram Gama Bikku Road				
Block	Mohiudinagar	District :	Samastipur		
Length :	3.70 km				
Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
16	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 tree guard and maintaining the plants for one year	Each	117	800.3	93635.10
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.				
18	At Edge for BT Portion	Sqm	740	735.4	544196.00
19	Pedestrian Crossing(2 m in length and providing at 50 cm apart)	SQm	24	735.4	17649.60
20	Providing and fixing of typical MMGSY informatory 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 frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	No.	2	9,274.16	18548.32
	Hume Pipe 1X1000 mm dia				
21	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	14.75	5,169.75	76253.81
22	Plastering with cement mortar (1:4 ) on brick work in sub-structure as per Technical Specifications	sqm	144.48	162.97	23545.91

  
 19/7/19  
 Executive Engineer  
 Road Works Department  
 Works Division, Patna

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SONA INFRACON PVT. LTD.


  
 MANAGING DIRECTOR

अधीक्षक अभियंता

ग्रामीण कार्य विभाग

समस्तीपुर


Name of Road :	Bhurha Pool Raja Jaan to Ram Gama Bikkur Road				
Block	Mohiudinagar	District :	Samastipur		
Length :	3.70 km				
Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
23	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 1701	sqm	418.32	95.63	40003.94
				<b>Total</b>	<b>7610877.2</b>
24				<b>12 % GST</b>	<b>913305.3</b>
25				<b>1% LABOUR CESS</b>	<b>76108.8</b>
26				<b>Total Construction Cost (A)</b>	<b>8600291.2</b>
27	1st Year Maintenance cost	Year	1	323078.00	323078.0
28	2nd Year Maintenance cost	Year	1	406548.00	406548.0
29	3rd Year Maintenance cost	Year	1	1022030.00	1022030.0
30	4th Year Maintenance cost	Year	1	464780.00	464780.0
31	5th Year Maintenance cost	Year	1	1091260.00	1091260.0
				<b>Total</b>	<b>3307696.0</b>
32				<b>12 % GST</b>	<b>396923.5</b>
33				<b>1% LABOUR CESS</b>	<b>33077.0</b>
34				<b>Total Maintenance Cost (B)</b>	<b>3737696.5</b>
				<b>Grand Total Cost (A+B)</b>	<b>12337987.7</b>

  
 19/7/19  
 Executive Engineer  
 Rural Works Department  
 Works Division, Patna

Rs 1,23,37,988

BOA approved for Rs 1,23,37,988 =

One crore twenty three lacs thirty seven thousand nine hundred eighty eight.

  
 अधीक्षक अभियंता  
 ग्रामीण कार्य विभाग  
 कार्य अंचल, समस्तीपुर

SONA INFRACON PVT. LTD.  
 Naveen Kumar  
 MANAGING DIRECTOR

  
 25/6/19