



**OFFICE OF THE EXECUTIVE ENGINEER**  
**R.W.D. WORKS DIVISION, DARBHANGA-2**

**Standard Form of Agreement**

**Agreement No.** 96 **S.B.D/2020-21 (MMGSY-S-C)**

**NAME OF WORK:-** Construction With Maintenance of Work From  
Bachey Yadav House to Serha Tola in Jale Block  
(Tender ID-94036)

**NAME OF AGENCY:-** Sri Sunil Kumar, Vill-Madhubani, P.O-Patahi,  
P.S-Sadar, Distt-Muzaffarpur (Bid ID-407348)

**Estimated Cost :-** Rs. 01,20,38,088.00 (Rs. One Crore Twenty Lakh  
Thirty Eight Thousand Eighty Eight) Only.

**Agreement Value:-** Rs. 01,19,81,509.00 (Rs. One Crore Nineteen Lakh  
Eighty One Thousand Five Hundred Zero Nine)  
Only.

**Rate:-** 0.47 (Zero Decimal Forty Seven Paisa) % Below From B.O.Q Rate

**Date of Start:-** 15.02.2021

**Date of Completion :-** 14.02.2022

**Performance Security Amount:-** F.D - 24,10,000.00

**Additional Performance Security Amount:-** F.D - 14,500.00

PAN → AMWPK2582M

15.02.21

Executive Engineer  
R.W.D. (W) Division, Darbhanga-2  
15/2/21

Sunil Kumar





बेहार BIHAR

1 FEB 2021

2020-21

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15/02/21  
9/198-87

### Standard Form of Agreement (MMGSY)

0.47 (Zero Decimal Forty Seven Paisa) % Below From B.O.Q Rate

#### Notes on Standard Form of Agreement.

The Agreement should incorporate any corrections or modifications to the Bid resulting from corrections of errors (Instructions to Bidders. Clause 26)

Agreement No. 96.....SBD/2020-21

This agreement, made the 15.11..... day of Feb..... 2021 Between Executive Engineer R.W.D (W) Division, Darbhanga-2 of the one part, and Sri Sunil Kumar, Vill-Madhubani, P.O-Patahi, P.S-Sadar, Distt-Muzaffarpur (Bid ID-407348) (hereinafter called "contractor" of the other part) Whereas the Employer is desirous that the Contractor Construction With Maintenance of Work From Bachey Yadav House to Serha Tola in Jale Block (Tender ID-94036) and the Employer has accepted the Bid by the Contractor for the Execution and completion of such works and the remedying of any defects therein at cost of Rs. 01,19,81,509.00 (Rs. One Crore Nineteen Lakh Eighty One Thousand Five Hundred Zero Nine) Only.

Sunil Kumar

15/2/21  
Executive Engineer  
R.W.D. (W) Division, Darbhanga-2



भारतीय गैर न्यायिक

भारत INDIA

रु. 500

FIVE HUNDRED  
RUPEES



सत्यमेव जयते

पाँच सौ रुपये

Rs. 500

INDIA NON JUDICIAL

बिहार BIHAR

1 FEB 2021

चक्रवर्ति. २.२.२०२१ सुनील कुमार शर्मा अ.प. चक्रवर्ति प्रसाद सिंह  
सा. मधुबनी ज्जा. सराव अफवाइलाभा मु. ०६५५३७  
जि. मु. ०  
१५०१२-१०००

Sunick Kumar

Executive Engineer  
R.W.D. Works Division  
Darbhanga-2

15/2/21



Name of Work : Bachelry Yadav House to Santa Tola

Block - 5ale / Length - 1.565 km

Contract No: CIVIL Works/

Bid  
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Excess ( + )

%

## SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
1	Setting Out as MORD Specification 100 Item Nos (i), (ii), (iii) & (iv)	2.000	nos	4058.010	Rupees Four Thousand Fifty Eight And Paise One Only	8116.02
2	Construction of Reference Pillars/Burpees	6.000	nos	1873.940	Rupees One Thousand Eight Hundred	11243.64
3	Clearing and Grubbing Road Land	0.548	Hect.	52970.330	Rupees Fifty Two Thousand Nine Hundred Seventy And Paise Thirty Three Only	29027.74
4	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 upto 1000 m as per Technical Specification Clause 302.3	150.525	Cum	75.570	Rupees Seventy Five And Paise Fifty Seven Only	11375.17
5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5. For 1000 m lead @ 30 %	599.540	Cum	190.360	Rupees One Hundred Ninety And Paise Thirty Six Only	114128.41
6	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5. For 100 m lead @ 70 %	1398.926	Cum	154.280	Rupees One Hundred Fifty Four And Paise Twenty Eight Only	215826.36
7	Construction of Subgrade	1206.370	Cum	192.040	Rupees One Hundred Ninety Two And Paise Four Only	231671.29

Suprintending Engineer

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RWD. Works Circle, Jabalpur

Sunit Kumar



14	Construction of granular sub-base by providing well graded material (Crushed stone, gravel and sand), spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator, at OMC, and compacting with three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401. Grading I Material.	448.959	Cum	3827.600	Rupees Three Thousand Eight Hundred Twenty Seven And Paise Sixty Only	1718436.90
9	WBM Grading 3 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.					
10	(A) By Manual Means Prime Coat (Low Porosity) 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 0.70-1.0kg/sqm using mechanical means as per Technical Specification Clause 502	4226.625	Sqm	43.350	Rupees Forty Three And Paise Thirty Five Only	183224.19
11	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25-0.30kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.	4226.625	Sqm	14.830	Rupees Fourteen And Paise Eighty Three Only	62680.85
12	Mix Seal Surfacing With 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	4226.625	Sqm	216.810	Rupees Two Hundred Sixteen And Paise Eighty One Only	916374.57
13	Cement Concrete Pavement M30 Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, and curing by de-bonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501	281.520	Cum	7269.350	Rupees Seven Thousand Two Hundred Sixty Nine And Paise Thirty Five Only	2046467.41
14	Hard Shoulder Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-100 kn as per Technical Specification Clause 412.	230.000	Sqm	480.230	Rupees Four Hundred Eighty And Paise Twenty Three Only	110452.90
15	Reinforced cement concrete M15 grade kilometre stone/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 (Ordinary Kilnmaior Stone (Pranaset))	3.000	Each	2339.170	Rupees Two Thousand Three Hundred Thirty Nine And Paise Seventeen Only	7017.51

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Suprintending Engineer  
RWB Works Circle, Darbhanga

Sumit Kumar



<p>Clause 1703 200 m stone (forecast)</p> <p>17 MMSY Sign Board</p> <p>Providing and fixing of typical MMSY 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</p>	3,000	Each	9636,330/-	Rupees Nine Thousand Six Hundred Thirty Six And Paise Thirty Three Only	28908.99
<p>18 Retro-reflectioned Traffic Signs</p> <p>Providing and fixing of retro-reflectioned 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 &amp; triangle.</p>	6,000	Each	3667,492/-	Rupees Three Thousand Six Hundred Sixty Seven And Paise Forty Nine Only	22004.95
<p>19 Retro-reflectioned Traffic Signs</p> <p>Providing and fixing of retro-reflectioned 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 side circle.</p>	4,000	Each	4679,769/-	Rupees Four Thousand Six Hundred Seventy Nine And Paise Seventy Seven Only	18719.08
<p>20 Retro-reflectioned Traffic Signs</p> <p>Providing and fixing of retro-reflectioned 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 x 450 mm rectangular</p>	4,000	Each	4576,150/-	Rupees Four Thousand Five Hundred Seventy Six And Paise Fifty Only	18304.60
<p>21 Rectangular Pillar</p> <p>Providing and fixing of retro-reflectioned cautionary, mandatory and informatory sign as per IRC:35, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704</p>	16,000	Each	530,090/-	Rupees Five Hundred Thirty And Paise Nine Only	8481.44
<p>22 Planting of Trees and their Maintenance for one Year</p> <p>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</p>	103,500	No	842,620/-	Rupees Eight Hundred Forty Two And Paise Sixty Two Only	87211.17
<p>23 Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface &amp; Cement Concrete Pavement 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 cracks and holes.</p>	313,000	Sqm	721,950/-	Rupees Seven Hundred Twenty One And Paise Ninety Five Only	225970.35

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Suprintending Engineer  
P.W.D. Works Circle, Darbhanga

Sami Kumar



including setting out, construction of shoring and bracing, removal of stumps and other dangerous material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.		14.940	Cum	493,780	Rupees Four Hundred Ninety Three And Paise Seventy Eight Only	7377.07
Type B ( First Class ) Bedding Laying (First Class) bedding on well compacted Local sand approved material.		11.370	Cum	5785.990	Rupees Five Thousand Seven Hundred Eighty Five And Paise Ninety Nine Only	65786.71
Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203		108.290	cum	5908.940	Rupees Five Thousand Nine Hundred Eight And Paise Ninety Four Only	639879.11
PCC M-15		15.000	M	2667.290	Rupees Two Thousand Six Hundred Sixty Seven And Paise Twenty Nine Only	40009.35
Head wall in Brick masonry work in cement mortar (1:4) in substructure complete excepting pointing and plastering, as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1204		22.500	M	3748.656	Rupees Three Thousand Seven Hundred Forty Eight And Paise Sixty Six Only	84344.76
Providing and laying RCC pipe NP3 (600 mm dia) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets clauses 1106		131.930	sqm	179.350	Rupees One Hundred Seventy Nine And Paise Thirty Five Only	23661.65
Plastering with CM 1:4 Plastering with CM 1:4 15mm thick on brickwork in substructure as per technical specification clause 613.4 & 1204		131.930	sqm	139.830	Rupees One Hundred Thirty Nine And Paise Eighty Three Only	18447.77
Painting on Concrete/Steel Surfaces with Epoxy Painting two-coats including prime coat with epoxy paint of approved brand on concrete/steel surfaces after thorough cleaning of surface to give an even shade as per drawing and Technical Specification Clause 17013						8997821.16
Construction Cost						1079738.54
GST -12%						89978.21
Labour -1%						10167537.91
Total Construction Cost		1.00	Year	69036.76	Rupees Sixty Nine Thousand Thirty Six	69036.76
Maintenance for 1st year		1.00	Year	153443.25	Rupees One Lakh(s) Fifty Three	153443.25
Maintenance for 2nd year		1.00	Year	465984.38	Rupees Four Lakh(s) Sixty Five	465984.38
Maintenance for 3rd year		1.00	Year	276478.90	Rupees Two Lakh(s) Seventy Six	276478.90
Maintenance for 4th year		1.00	Year	540268.80	Rupees Five Lakh(s) Forty Thousand	540268.80
Maintenance for 5th year						1505212.10
Maintenance Cost						180625.45
GST Cost						15052.12
Labour Cess						1700889.67
Total Maintenance Cost						169662.00
Seigniorage Fee						12038089.58
Total Estimated Cost in Figures						12038090.00
Quoted Rate in Words						
Rupees One Crore Twenty Lakh(s) Thirty Eight Thousand Ninety Only						

Item S.I. No = ① F.W. ③6 only.

Quoted Amount

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Sumi Kumar

Signature

Suprintending Engineer

RWD Works Circle, Dardhau

P.T.D

[Analysis of New rate (16.04.2020) attached here with]

13F Rs 120,38,090=10

AA = Rs 118.80 / 75 Rs 118.65 lac

As for 7/5 - Contd Rs 98.264

Main Rs 16.700

S.P. Rs 1.481

Total Rs 116.445 lac.

As for New rate (16.04.2020) Rs 120.381 lac [Increase = 3.38%]

Revised B.O.D approved for Rs 1,20,38,090=10 (Rupees one crore - twenty lacs thirty eight thousand ninety) only.

Sunil Kumar

Superintending Engineer  
RWD, Works Circle, Darbhanga  
30/05/20

Executive Engineer  
RWD, Works Division  
Darbhanga-2  
15/05/20