

Supplementary Agreement No. :- 01/1700/111-N/24-25

BIHAR RURAL ROADS DEVELOPMENT AGENCY
(RURAL WORKS DEPARTMENT)
(GOVERNMENT OF BIHAR)

(Package No – MR-N/22-23 Jhajha/07)

Agency/Contractor :- **Rajeev Kumar.**

H.No-K125 PC Colony Hanuman Nagar Kankarbagh Patna

RWD REGISTRATION NO.- 1230065 CLASS-I

(TENDER ID- 119020 BID ID- 513381)

PAN- AHDPK4688G

GST NO.- 10AHDPK4688G1ZH

Supplementary Agreement Value : Rs 16,37,406/-

BID DOCUMENT FOR
REPAIRING AND MAINTENANCE OF RURAL ROAD

DISTRICT :- JAMUI

BLOCK:-Jhajha

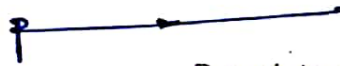
S. N.	Pack age No.	Name of Road	Length (in Km.)	Approved BOQ (Const. Cost) (in Lacs)	Approved BOQ Maintenance Cost (in Lacs)	Approved BOQ Value (in Lacs)	Difference Approved BOQ Value (in Lacs)
01	MR-N/ 22-23 Jhaj ha/07	Dadpur Borwa PWD Road to Sabjijor Village	1.865	77.50103	19.46241	96.96344	4.85400
02		Sitkochak to Sundari	5.592	228.72513	66.22565	294.95078	14.75330
		Total	7.457	306.22616	85.68806	391.91422	19.60730

HEAD :- 3054

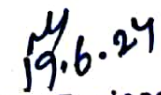
Under "New Maintenance Policy 2018"

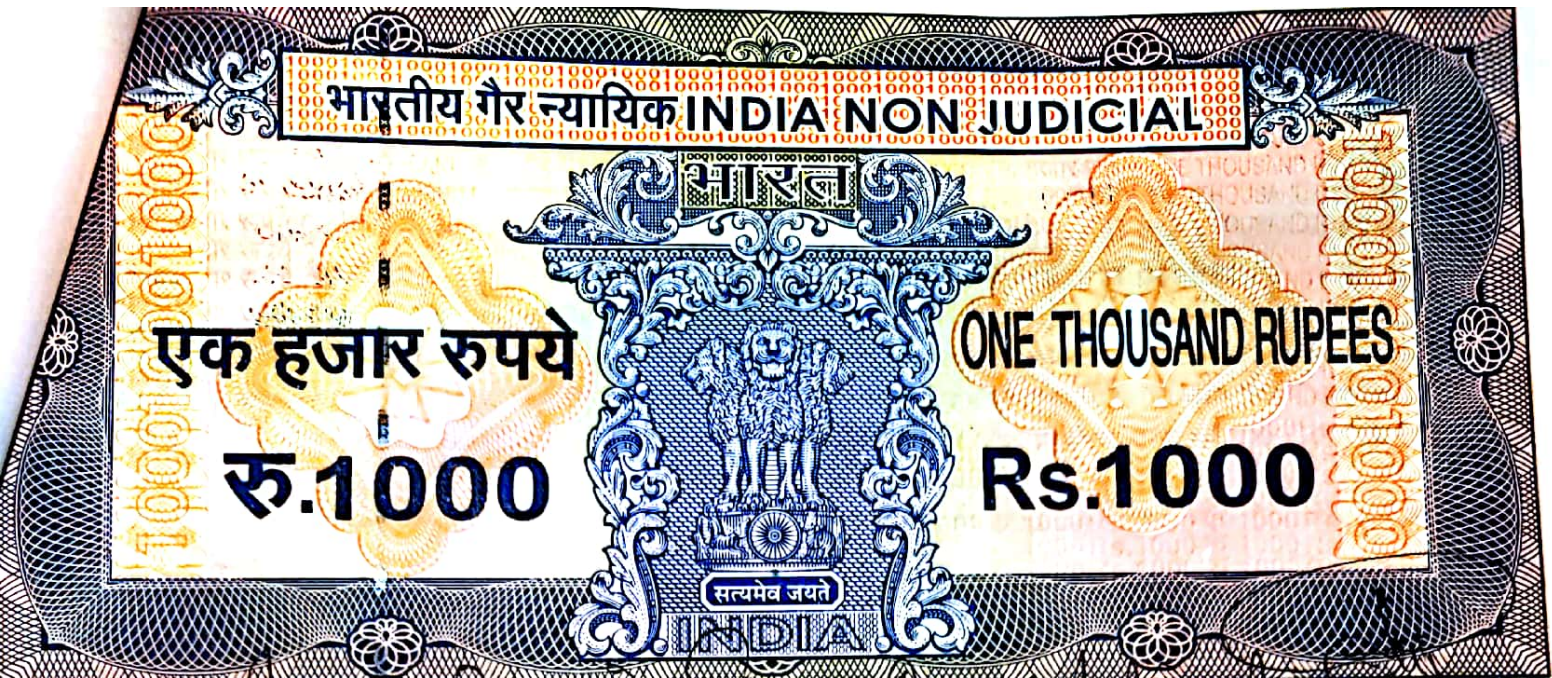
RURAL WORKS DEPARTMENT, WORKS DIVISION, JHAJHA

RAJEEV KUMAR


Proprietor


19.6.24


19.6.24
Executive Engineer
R.W.D., Works Div., Jhajha



1410 राजा हि हुकाए पे रामकुमरन नई लाओ के 0125 पी.ए.के.ए.सी.
बिहार BIHAR दण्डुवाग नगर केन्द्रवाग पटनार

AX 060831

26161024

कृष्ण मोहन प्रसाद
स्टाम्प भेन्डर, जमुई
लाओ नं०-7189/90

Supplementary Agreement Form

Suppl. Agreement no :- 01/MOD/11111/24-25

This agreement, made the 19th day of June 2024,

Between Executive Engineer, RWD, Works Division, Jhajha [name and address of employer] (hereinafter called "**Rajeev Kumar, H.No-K125 PC Colony Hanuman Nagar Kankarbagh Patna.**") [name and address of Contractor] (hereinafter called "the Contractor" of the other part). Whereas the Employer is desirous that the Contractor execute (1) Dadpur Borwa PWD Road To Sbjijor Village . (Length - 1.865 Km) (2) Sitochak To Sundari. (Length - 5.592 Km)

(Package No - MR-N/22-23/ Jhajha -07

Head - MR (3054) Under - "New Maintenance Policy' 2018"

[name and identification number of Contract] (hereinafter called "the Works") 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 a cost of Rs.- **16,37,406/-** Rupees- **Sixteen Lac Thirty Seven Thousand Four Hundred Six Only.** (Below=16.49%)

RAJEEV KUMAR

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20/11

19.6.24

Suppl. Agreement No.-CH/MBD/MNR/24-25-

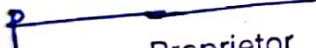
DETAILS OF AGREEMENT

DISTRICT:- JAMUI

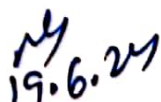
BLOCK:- Jhajha

Package No.	Name of Road	Length (in Mt)	Agreement Construction Cost (in Lacs)	Agreement Maintenance Cost (in Lacs)	Total Agreement Value (in Lacs)
MR-N/22-23 Jhajha/07	Dadpur Borwa PWD Road to Sabjijor Village	1.865	3.23550	0.81808	16.37406
	Sitkochak to Sundari	5.592	11.38337	0.93711	
	Total in Word	Rupees Sixteen Lac Thirty Seven Thousand Four Hundred Six Only.			

RAJEEV KUMAR


Proprietor


19.6.24


19.6.24
Executive Engineer
R.W.D., Works Div., Jhajha

Revised Bill of Quantity

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work :- Sitkoachak to Sundari

Contract No: Civil Works/

Name of the
Bidder/ Bidding
Firm/ Company:

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

enter the Bidder Name and Values only)									
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words			
1	2	3	4	5	6	7			
1	Cleaning 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 uneconomical materials & extraction of soil.	0.840	Ha	62032.430	52107.24	INR Fifty Two Thousand One Hundred & Seven and Paise Twenty Four Only			
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 & 1	2516.400	cum	254.610	640700.60	INR Six Lakh Forty Thousand Seven Hundred and Paise Sixty Only			
3	Construction of granular sub-base by providing well graded material, 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 smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	393.570	Cum	2421.240	952927.43	INR Nine Lakh Fifty Two Thousand Nine Hundred & Twenty Seven and Paise Forty Three Only			
4	WBM Grading 2_ 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	240.420	Cum	4677.430	1124547.72	INR Eleven Lakh Twenty Four Thousand Five Hundred & Forty Seven and Paise Seventy Two Only			
5	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 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	355.820	Cum	4482.570	1594988.06	INR Fifteen Lakh Ninety Four Thousand Nine Hundred & Eighty Eight and Paise Six Only			
6	Prime Coat 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	4744.300	Sqm	59.520	282380.74	INR Two Lakh Eighty Two Thousand Three Hundred & Eighty and Paise Seventy Four Only			
7	Patch Work over WBM using Mix seal (Type b) 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	4744.280	Sqm	289.210	1372093.22	INR Thirteen Lakh Seventy Two Thousand & Ninety Three and Paise Twenty Two Only			

R. RAJEEV KUMAR

Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2 Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.3 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	3 21189.610	4 Sqm	5 20.260	6 429301.50	7 INR Four Lakh Twenty Nine Thousand Three Hundred & One and Paise Fifty Only
8	Semi-dense Bituminous Concrete 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 vibrators and tandem rollers.	411.130	Cum	15077.050	6198627.57	INR Sixty One Lakh Ninety Eight Thousand Six Hundred & Twenty Seven and Paise Fifty Seven Only
10	Construction of day lean cement concrete Sub base over a prepared sub grade with coarse and fine aggregates conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregates cement ratio not to exceed 15:1 aggregates gradation after blending to be as per table 600-1 cement content not to be less than 150 kg/cum optimum moisture content to be determined during trial length construction, concrete	46.880	Cum	5598.790	262471.28	INR Two Lakh Sixty Two Thousand Four Hundred & Seventy One and Paise Twenty Eight Only
11	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	591.799	Cum	6220.080	3681037.12	INR Thirty Six Lakh Eighty One Thousand & Thirty Seven and Paise Twelve Only
12	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 25 mm 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	1250.000	Sqm	582.070	727587.50	INR Seven Lakh Twenty Seven Thousand Five Hundred & Eighty Seven and Paise Fifty Only
13	Supply and providing NP4 300MM Dial Hume pipe across carriageway in open areas	45.000	m	624.550	28104.75	INR Twenty Eight Thousand One Hundred & Four and Paise Seventy Five Only
14	i) 5 Kilometer Stone	1.000	No	5724.230	5724.23	INR Five Thousand Seven Hundred & Twenty Four and Paise Twenty Three Only
15	ii) Ordinary Kilometer Stone (Precast)	8.000	No	2937.380	23499.04	INR Twenty Three Thousand Four Hundred & Ninety Nine and Paise Four Only
16	iii) 200 m stone (Precast)	20.000	No	807.510	16150.20	INR Sixteen Thousand One Hundred & Fifty and Paise Twenty Only
17	Retro-reflectors Traffic Signs Providing and erecting direction and place identification retro-reflectors 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	3.84	Sqm	14894.42	57194.57	INR Fifty Seven Thousand One Hundred & Ninety Four and Paise Fifty Seven Only

Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2 Retro-reflectors Traffic Signs Providing and erecting direction and place identification retro-reflectors 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.	3	4	5	6	7
18	600 mm equilateral & triangle	15,000	Nos	4397.890	65968.35	INR Sixty Five Thousand Nine Hundred & Sixty Eight and Paise Thirty Five Only
19	600 mm circular	5,000	Nos	4333.840	21669.20	INR Twenty One Thousand Six Hundred & Sixty Nine and Paise Twenty Only
20	600 mm x 450 mm rectangular	4,000	Nos	4190.100	16760.40	INR Sixteen Thousand Seven Hundred & Sixty and Paise Forty Only
21	900 mm octagon, OR	4,000	Nos	8634.840	34539.36	INR Thirty Four Thousand Five Hundred & Thirty Nine and Paise Thirty Six Only
22	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	84.00	Nos	646.14	54275.76	INR Fifty Four Thousand Two Hundred & Seventy Five and Paise Seventy Six Only
23	Painting 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	352.00	Per cm	1.03	362.56	INR Three Hundred & Sixty Two and Paise Fifty Six Only
24	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/slugde manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one	217.00	Each	1116.16	242206.72	INR Two Lakh Forty Two Thousand Two Hundred & Six and Paise Seventy Two Only
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors 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.	1118.40	Sqm	823.80	921337.92	INR Nine Lakh Twenty One Thousand Three Hundred & Thirty Seven and Paise Ninety Two Only
26	Pedestrian Crossing (2 m in length and providing at 50 cm apart)	12.00	Sqm	823.80	9885.60	INR Nine Thousand Eight Hundred & Eighty Five and Paise Sixty Only
27	Providing and fixing of typical MR(3054) 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 5mm 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	4,000	No	11011.680	44046.72	INR Forty Four Thousand & Forty Six and Paise Seventy Two Only
28	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	17,700	cum	6712.480	118810.90	INR One Lakh Eighteen Thousand Eight Hundred & Ten and Paise Ninety Only
29	Plastering with cement mortar (1:4), 15 mm thick on brickwork in substructure as per technical specification Clauses 613.4 & 1204	123.840	cum	179.890	22277.58	INR Twenty Two Thousand Two Hundred & Seventy Seven and Paise Fifty Eight Only
30	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	123.840	Sqm	116.860	14471.94	INR Fourteen Thousand Four Hundred & Seventy One and Paise Ninety Four Only

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RAJEEV KUMAR
Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
31	Parapet Repair RCC Culvert Repair 2 x5 :- 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	161.000	Sq ^m	116.860	18814.46	INR Eighteen Thousand Eight Hundred & Fourteen and Paise Forty Six Only
32	GST @ 18% and Labour Cess @ 1%	1.000	Rs	3616625.350	3616625.35	INR Thirty Six Lakh Sixteen Thousand Six Hundred & Twenty Five and Paise Thirty Five Only
33	Seigniorage Fee @ 10%	1.000	Rs	221017.260	221017.26	INR Two Lakh Twenty One Thousand & Seventeen and Paise Twenty Six Only
34	Total Cost Of Construction :-				22872512.85	INR Two Crore Twenty Eight Lakh Seventy Two Thousand Five Hundred & Twelve and Paise Eighty Five Only

RAJEEV KUMAR

Proprietor

RAJ

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	MAINTENANCE	3	4	5	6	7
35	1st Year Maintenance cost	5.592	KM	72836.190	407299.97	INR Four Lakh Seven Thousand Two Hundred & Ninety Nine and Paise Ninety Seven Only
36	2nd Year Maintenance cost	5.592	KM	133619.460	747200.02	INR Seven Lakh Forty Seven Thousand Two Hundred and Paise Two Only
37	3rd Year Maintenance cost	5.592	KM	284817.600	1592700.02	INR Fifteen Lakh Ninety Two Thousand Seven Hundred and Paise Two Only
38	4th Year Maintenance cost	5.592	KM	171566.520	959399.98	INR Nine Lakh Fifty Nine Thousand Three Hundred & Ninety Nine and Paise Ninety Eight Only
39	5th Year Maintenance cost	5.592	KM	330329.040	1847199.99	INR Eighteen Lakh Forty Seven Thousand One Hundred & Ninety Nine and Paise Ninety Nine Only
40	GST @ 18% and Labour Cess @ 1%	1.000	Rs	1055222.000	1055222.00	INR Ten Lakh Fifty Five Thousand Two Hundred & Twenty Two Only
41	Seigniorage Fee @ 10%	1.000	Rs.	13542.900	13542.90	INR Thirteen Thousand Five Hundred & Forty Two and Paise Ninety Only
42						
Total in Figures				Total Cost Of Maintenance :-	6622564.88	INR Sixty Six Lakh Twenty Two Thousand Five Hundred & Sixty Four and Paise Eighty Eight Only
Quoted Rate in Figures					29495077.73	INR Two Crore Ninety Four Lakh Ninety Five Thousand & Seventy Seven and Paise Seventy Three Only
Quoted Rate in Words			Less (-)	16.49%	24631339.41	INR Two Crore Forty Six Lakh Thirty One Thousand Three Hundred & Thirty Nine and Paise Forty One Only
		INR Two Crore Forty Six Lakh Thirty One Thousand Three Hundred & Thirty Nine and Paise Forty One Only				

RAJEEV KUMAR

Proprietor

M. M. Gupta
कार्यपालक अभियंता
ग्रामण कार्य विभाग
कार्य प्रमंडल, झाडा

Name of Road - Sitkohak to Sundaul
Agreement No. - 08/MBD/MR-N/2022-23
Agreement date - 12.12.2022
Completion date - 15.09.2023

Construction Cost - ₹ 22872513.00

Maintenance Cost - ₹ 6622565.00

₹ 29495078.00

Less (i) 16.49% as per agreement - (i) ₹ 4863738.00
₹ 24631340.00

S.E. letter No. dt.
F. E. Letter No. 28 Dt. 04.01.2024
Construction Cost Rs. 22872513.00
5 Yrs. Maintenance Cost Rs. 6622565.00
Total Cost Rs. 29495078.00

Revised E.O.Q Approved For Rs. 24631340.00
(Rupees) Two crore forty six lakh
thirty one thousand three hundred only.

Including 5 yrs. Maintenance Vide

01 to 42

RAJEEV KUMAR

Proprietor

Superintending Engineer
Rural Works Department
Muziris Circle, Munger

Revised Bill of Quantify

Tender Inviting Authority: Engg-In Chief RWD Patna

Name of Work :- Dadpur Borwa PWD Road to Sabjlor Village

Contract No: Civil Works/

Name of the
Bidder/ Bidding
Firm/ Company :

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

PRICE SCHEDULE

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words	TEXT #		
1	Clearing and Grubbing of 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 material & extraction of soil.	3	4	5	16	7			
1	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 & 1	0.280	Ha	62032.430	17369.08	INR Seventeen Thousand Three Hundred & Sixty Nine and Paise Eight Only			
2		839.250	cum	254.610	213681.44	INR Two Lakh Thirteen Thousand Six Hundred & Eighty One and Paise Forty Four Only			
3	Construction of granular sub-base by providing well graded material, 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 smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	41.400	Cum	2507.680	103817.95	INR One Lakh Three Thousand Eight Hundred & Seventeen and Paise Ninety Five Only			
4	WBM Grading 2_ 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	24.990	Cum	4857.920	121399.42	INR One Lakh Twenty One Thousand Three Hundred & Ninety Nine and Paise Forty Two Only			
5	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 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	38.020	Cum	4641.220	176459.18	INR One Lakh Seventy Six Thousand Four Hundred & Fifty Nine and Paise Eighteen Only			
6	Prime Coat 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	507.000	Sqm	59.560	30196.92	INR Thirty Thousand One Hundred & Ninety Six and Paise Ninety Two Only			

RAJEEV KUMAR

Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
7	Patch Work over WBM using Mix seal (Type b) 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	506.980	Sqm	292.840	148464.02	INR One Lakh Forty Thousand Four Hundred & Sixty Four and Paise Two Only
8	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.3 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	3783.170	Sqm	20.270	76684.86	INR Seventy Six Thousand Six Hundred & Eighty Four and Paise Eighty Six Only
9	Self-Dense Bituminous Concrete 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, vibratory and tandem	81.900	Cum	15270.610	1250662.96	INR Twelve Lakh Fifty Thousand Six Hundred & Sixty Two and Paise Ninety Six Only
10	Construction of dry lean cement concrete Sub base over a prepared sub grade with coarse and fine aggregates conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregates cement ratio not to exceed 15:1 aggregates gradation after blending to be as per table 600-1 cement content not to be less than 150 kg/ cum optimum moisture content to be determined during trial length construction,	18.750	Cum	5785.480	108477.75	INR One Lakh Eight Thousand Four Hundred & Seventy Seven and Paise Seventy Five Only
11	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	473.430	Cum	6227.270	2948176.44	INR Twenty Nine Lakh Forty Eight Thousand One Hundred & Seventy Six and Paise Forty Four Only
12	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 25 mm 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	1000.000	Sqm	582.070	582070.00	INR Five Lakh Eighty Two Thousand & Seventy Only
13	Supply and providing NP4 300MM Dial Hume pipe across carriageway in open areas	60.000	m	624.550	37473.00	INR Thirty Seven Thousand Four Hundred & Seventy Three Only
14	ii) Ordinary Kilometer Stone (Precast)	4.000	No	2989.280	11957.12	INR Eleven Thousand Nine Hundred & Fifty Seven and Paise Twelve Only
15	iii) 200 m stone (Precast)	6.000	No	816.960	4901.76	INR Four Thousand Nine Hundred & One and Paise Seventy Six Only
16	Retro-reflectors Traffic Signs Providing and erecting direction and place identification retro-reflectors 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 15 mm diameter concrete 450 mm x 450 mm x 600 mm	3.84	Sqm	14926.65	57318.34	INR Fifty Seven Thousand Three Hundred & Eighteen and Paise Thirty Four Only

RAJEEV KUMAR

Proprietor

MR

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	• 2 Retro-reflectised Traffic Signs Providing and erecting direction and place identification retro-reflectised 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.	3	4	5	6	7 INR Zero Only
17	600 mm equilateral & triangle	10.000	Nos	4422.060	44220.60	INR Forty Four Thousand Two Hundred & Twenty and Paise Sixty Only
18	600 mm circular	3.000	Nos	4358.010	13074.03	INR Thirteen Thousand & Seventy Four and Paise Three Only
19	600 mm x 450 mm rectangular	3.000	Nos	4214.270	12642.81	INR Twelve Thousand Six Hundred & Forty Two and Paise Eighty One Only
20	900 mm octagon, OR	2.000	Nos	8659.010	17318.02	INR Seventeen Thousand Three Hundred & Eighteen and Paise Two Only
21	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	32.00	Nos	650.53	20816.96	INR Twenty Thousand Eight Hundred & Sixteen and Paise Ninety Six Only
22	Painting 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	88.00	Per cm	1.03	90.64	INR Ninety and Paise Sixty Four Only
23	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	43.00	Each	1116.16	47994.88	INR Forty Seven Thousand Nine Hundred & Ninety Four and Paise Eighty Eight Only
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors 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. Pedestrian Crossing (2 m in length and providing at 50 cm apart)	373.00	Sqm	823.80	307277.40	INR Three Lakh Seven Thousand Two Hundred & Seventy Seven and Paise Forty Only
25		12.00	Sqm	823.80	9885.60	INR Nine Thousand Eight Hundred & Eighty Five and Paise Sixty Only
26	Providing and fixing of typical MR(3054) 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 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	4.000	No	11060.020	44240.08	INR Forty Four Thousand Two Hundred & Forty and Paise Eight Only
27		5.760	cum	6712.480	38663.88	INR Thirty Eight Thousand Six Hundred & Sixty Three and Paise Eighty Eight Only
28	Plastering with cement mortar (1:4), 15 mm thick on brickwork in substructure as per technical specification Clauses 613.4 & 1204	40.320	cum	183.810	7411.22	INR Seven Thousand Four Hundred & Eleven and Paise Twenty Two Only
29	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	40.320	Sqm	116.860	4711.80	INR Four Thousand Seven Hundred & Eleven and Paise Eighty Only
30	GST @ 18% and Labour Cess @ 1% RAJEEV KUMAR	1.000	Rs	1226917.050	1226917.05	INR Twelve Lakh Twenty Six Thousand Nine Hundred & Seventeen and Paise Five Only

Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2 Retro-reflectors Traffic Signs Providing and erecting direction and place identification retro-reflectors 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 property 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.	3	4	5	6	7 INR Zero Only
18	600 mm equilateral & triangle	15,000	Nos	4397.890	65968.35	INR Sixty Five Thousand Nine Hundred & Sixty Eight and Paise Thirty Five Only
19	600 mm circular	5,000	Nos	4333.840	21669.20	INR Twenty One Thousand Six Hundred & Sixty Nine and Paise Twenty Only
20	600 mm x 450 mm rectangular	4,000	Nos	4190.100	16760.40	INR Sixteen Thousand Seven Hundred & Sixty and Paise Forty Only
21	900 mm octagon, OR	4,000	Nos	8634.840	34539.36	INR Thirty Four Thousand Five Hundred & Thirty Nine and Paise Thirty Six Only
22	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	84.00	Nos	646.14	54275.76	INR Fifty Four Thousand Two Hundred & Seventy Five and Paise Seventy Six Only
23	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	352.00	Per cm	1.03	362.56	INR Three Hundred & Sixty Two and Paise Fifty Six Only
24	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	217.00	Each	1116.16	242206.72	INR Two Lakh Forty Two Thousand Two Hundred & Six and Paise Seventy Two Only
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors 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.	1118.40	Sqm	823.80	921337.92	INR Nine Lakh Twenty One Thousand Three Hundred & Thirty Seven and Paise Ninety Two Only
26	Pedestrian Crossing (2 m in length and providing at 50 cm apart)	12.00	Sqm	823.80	9885.60	INR Nine Thousand Eight Hundred & Eighty Five and Paise Sixty Only
27	Providing and fixing of typical MR(3054) informational 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	4,000	No	11011.680	44046.72	INR Forty Four Thousand & Forty Six and Paise Seventy Two Only
28	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	17.700	cum	6712.480	118810.90	INR One Lakh Eighteen Thousand Eight Hundred & Ten and Paise Ninety Only
29	Plastering with cement mortar (1:4), 15 mm thick on brickwork in substructure as per technical specification Clauses 613.4 & 1204	123.840	cum	179.890	22277.58	INR Twenty Two Thousand Two Hundred & Seventy Seven and Paise Fifty Eight Only
30	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	123.840	Sqm	116.860	14471.94	INR Fourteen Thousand Four Hundred & Seventy One and Paise Ninety Four Only

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RAJEEV KUMAR

Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
31	Parapet Repair RCC Culvert Repair 2 x5 :- 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	161.000	Sqm	116.860	18814.46	INR Eighteen Thousand Eight Hundred & Fourteen and Paise Forty Six Only
32	GST @ 18% and Labour Cess @ 1%	1.000	Rs	3616625.350	3616625.35	INR Thirty Six Lakh Sixteen Thousand Six Hundred & Twenty Five and Paise Thirty Five Only
33	Seigniorage Fee @ 10%	1.000	Rs	221017.260	221017.26	INR Two Lakh Twenty One Thousand & Seventeen and Paise Twenty Six Only
34	Total Cost Of Construction :-				22872512.85	INR Two Crore Twenty Eight Lakh Seventy Two Thousand Five Hundred & Twelve and Paise Eighty Five Only

RAJEEV KUMAR

Proprietor

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	MAINTENANCE	3	4	5	6	7
35	1st Year Maintenance cost	5.592	KM	72836.190	407299.97	INR Four Lakh Seven Thousand Two Hundred & Ninety Nine and Paise Ninety Seven Only
36	2nd Year Maintenance cost	5.592	KM	133619.460	747200.02	INR Seven Lakh Forty Seven Thousand Two Hundred and Paise Two Only
37	3rd Year Maintenance cost	5.592	KM	284817.600	1592700.02	INR Fifteen Lakh Ninety Two Thousand Seven Hundred and Paise Two Only
38	4th Year Maintenance cost	5.592	KM	171566.520	959399.98	INR Nine Lakh Fifty Nine Thousand Three Hundred & Ninety Nine and Paise Ninety Eight Only
39	5th Year Maintenance cost	5.592	-KM	330329.040	1847199.99	INR Eighteen Lakh Forty Seven Thousand One Hundred & Ninety Nine and Paise Ninety Nine Only
40	GST @ 18% and Labour Cess @ 1%	1.000	Rs	1055222.000	1055222.00	INR Ten Lakh Fifty Five Thousand Two Hundred & Twenty Two Only
41	Seigniorage Fee @ 10%	1.000	Rs.	13542.900	13542.90	INR Thirteen Thousand Five Hundred & Forty Two and Paise Ninety Only
42	Total Cost Of Maintenance :-				6622564.88	INR Sixty Six Lakh Twenty Two Thousand Five Hundred & Sixty Four and Paise Eighty Eight Only
Total in Figures					29495077.73	INR Two Crore Ninety Four Lakh Ninety Five Thousand & Seventy Seven and Paise Seventy Three Only
Quoted Rate In Figures			Less (-)	16.49%	24631339.41	INR Two Crore Forty Six Lakh Thirty One Thousand Three Hundred & Thirty Nine and Paise Forty One Only
Quoted Rate In Words		INR Two Crore Forty Six Lakh Thirty One Thousand Three Hundred & Thirty Nine and Paise Forty One Only				

RAJEEV KUMAR

Proprietor

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, झांझ

Agreement date - 12.12.2022

Completion date -

Construction Cost - ₹ 7750103=00

Maintenance Cost - ₹ 1946241=00

₹ 9696344=00

Less (-) 16.49% as per agreement - (-) ₹ 1598927=00

₹ 8097417=00

S.E. letter No. 28 Dt. 04.01.2024
L.E. Letter No. 28 Dt. 04.01.2024

Construction Cost Rs. 7750103=00

5 Yrs. Maintenance Cost Rs. 1946241=00

Total Cost Rs. 9696344=00

Revised 80Q Approved For Rs. 8097400=00

(Rupees Eighty lakh ninety seven

thousand four hundred and

including 5 yrs. Maintenance vide

Mem no. 01 to 40

RAJEEV KUMAR

Proprietor

Superintending Engineer

Rural Works Department

Muzaffarpur Circle, Munger