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**OFFICE OF THE EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI**

AGREEMENT NO:- 26/MBD/2023-24

This agreement, made the 05 September Day of 2023 between Executive Engineer, RWD, Works Division, Lakhisarai, Govt. of Bihar Patna and Sri Rajesh Kumar, At- Garsanda, PO- Kachhiyana, PS.- Ramgarh Chowk, Dist.- Lakhisarai.

Whereas the Employer is desirous that the Contractor execute output and performance based Rural Road Contract of the maintenance of road from MR-N/21-22/Lakhisarai/06 Package Under of Block in Lakhisarai, Under M/R in Lakhisarai District 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 Construction Rs. 95,96,387.00 (Ninety Five Lakh Ninety Six Thousand Three Hundred Eighty Seven) only & five year Maintenance cost Rs. 13,27,939.00 (Thirteen Lakh Twenty Seven Thousand Nine Hundred Thirty Nine) only.

Sl. No.	Name of Road	Const. Cost	Maintenance cost	Agreement Value
1	Lakhisarai Pachna Path se Neri Path tak	51.27750	9.32476	60.60226
2	Lakhisarai Shiekhupura path se Shishma Gramin Path	44.68637	3.95463	48.64100
Total		95.96387	13.27939	109.24326

Total Cost Rs. 1,09,24,326.00 (One Crore Nine Lakh Twenty Four Thousand Three Hundred Twenty Six) only.

A. He has deposited Performance Security Deposit and Additional Performance Guarantee vide FD No. 42239276410 Rs.4,56,000 & FD No. 42239256052 Rs. 3,28,000

G. B. Singh
5/9/23

A. S. Singh
Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

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5/9/23

OFFICE OF THE EXECUTIVE ENGINEER
RURALWORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI

AGREEMENT NO:- 26/MBD/2023-24

NAME OF WORK:- MR-N/21-22/Lakhisarai/06 Package Under of Block in
Lakhisarai, Under M/R in Lakhisarai District.

NAME OF AGENCY: Sri Rajesh Kumar,
At- Garsanda, PO- Kachhiyana,
PS.- Ramgarh Chowk, Dist.- Lakhisarai.

Reference :- Chief Engineer-2,
R.W.D, Bihar, Patna
Vide Letter No. 2576 , Date :- 18.08.2023

AGREEMENT AMOUNT – Main work:-	95,96,387.00
Maintenance work:-	13,27,939.00
Total Amount: -	1,09,24,326.00

Performance Security :- Deposited @ 5 % & Next 5 % deducted from Bill

Date of Agreement :- 05 September 2023

Date of Completion :- 04 June 2024

No. of Item of Work :- As per B.O.Q (Nos)

Rate Quoted :- 10.00 % below (One zero Point zero zero percent below)

Contractor Signature

Rajesh Kumar
5/9/23

[Signature]
Executive Engineer
Rural Works Division, Lakhisarai
Work, Div, Lakhisarai
5/9/23



Name of Work: Construction of Road & CD Works for Lakhisarai Shekhpura Path to Shiksha Gramin Path in Lakhisarai Block Under M/R

PRINT

Contract No: Civil Works/

NCP

Bidder	Excise (+)	%
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SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1	Clearing and grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal 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 203.1 and direction of R/I.	0.70	Hect	72697.86	Rupees Seventy Two Thousand Six Hundred & Ninety Seven and Paise Eighty Six Only	14539.37
2	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	432.00	Cum	254.33	Rupees Two Hundred & Fifty Four and Paise Thirty Three Only	109870.56
3	Construction of Subgrade and Earthen Shoulders :- 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	225.00	Cum	257.69	Rupees Two Hundred & Fifty Seven and Paise Sixty Nine Only	57980.23
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	13.13	Cum	103.05	Rupees One Hundred & Three and Paise Eighty Five Only	1363.55
5	Granular Sub-base with Well Graded Material (Table 400.1) :- 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.	160.50	Cum	1834.46	Rupees One Thousand Eight Hundred & Thirty Four and Paise Forty Six Only	294430.93
6	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 Grading 3 as per Technical Specification Clause 405	120.00	Cum	2215.20	Rupees Two Thousand Two Hundred & Fifteen and Paise Twenty Only	265824.00
7	Dry Lean Cement Concrete :- 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 25mm, aggregate cement ratio not to exceed 15:1 aggregate gradation after blending to be as per table 600-1 cement content not to be less than 150kg/cum optimum moisture content to be determined during trial length construction, concrete strength not be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing. (PCC M-15)	2.25	Cum	6029.67	Rupees Six Thousand & Twenty Eight and Paise Sixty Seven Only	13564.51

Signature of Tenderer with seal

5/9/23

Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai

5/9/23

Bidder Name:				Excess (+)			%
SCHEDULE OF WORKS							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
8	Cement Concrete Pavement :- 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 not exceeding 25mm, mixed in a concrete of not less than 0.2cum capacity and appropriate weight 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, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/ culvert and construction joints, admixtures as approved, curing of concrete slab for 14 days curing compound (where specified) and water finishing to lines and grade as per drawing and Technical specification clause 1501.	306.00	Cum	7541.47	Rupees Seven Thousand Five Hundred & Forty One and Paise Forty Seven Only	2307689.82	
9	Supply and providing NP3 300 mm dia hume pipe across carriageway in open areas (3 pipes of 2.5 m length each)	22.50	MT	565.86	Rupees Five Hundred & Sixty Five and Paise Eighty Six Only	12731.85	
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. Km stone	2.00	Each	2686.37	Rupees Two Thousand Six Hundred & Eighty Six and Paise Thirty Seven Only	5372.74	
11	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. 200 m stone	2.00	Each	786.06	Rupees Seven Hundred & Eighty Six and Paise Six Only	1572.12	
12	Direction and Place Identification signs with size more than 0.9 sqm size board :- Retro-reflectorised Traffic Sign 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.	1.92	Sqm.	12595.36	Rupees Twelve Thousand Five Hundred & Ninety Five and Paise Thirty Six Only	24183.09	
13	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 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 001 (600 mm equilateral & triangle)	7.00	Each	3588.62	Rupees Three Thousand Five Hundred & Eighty Eight and Paise Sixty Two Only	25120.34	

Signature of Tenderer with seal

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5/9/23

Asst
Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

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5/9/23

Bidder Name:				Excess (+)			%
SCHEDULE OF WORKS							
SL No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
14	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 circular)	3.00	Each	3759.12	Rupees Three Thousand Seven Hundred & Fifty Nine and Paise Twelve Only	11277.36	
15	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 x 450 mm rectangular)	1.00	Each	3634.77	Rupees Three Thousand Six Hundred & Thirty Four and Paise Seventy Seven Only	3634.77	
16	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 (900 mm octagon stop board)	1.00	Each	7479.83	Rupees Seven Thousand Four Hundred & Seventy Nine and Paise Eighty Three Only	7479.83	
17	Boundary Pillar/Corner Post: Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:35, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704	16.00	Each	690.48	Rupees Six Hundred & Ninety and Paise Forty Eight Only	11047.68	
18	Printing New Letters and Figures of any Shade ~ 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	height per	0.72	Rupees and Paise Seventy Two Only	253.44	
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Concrete Surface ~ 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.	100.00	Sqm	888.96	Rupees Eight Hundred & Eighty Eight and Paise Ninety Six Only	88896.00	

Signature of Tenderer with seal

Pranav
5/9/23

Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai

5/9/23

Bidder Name				Excess (+)			%
SCHEDULE OF WORKS							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
20	(1)Providing and Fixing 'Logo' of Maintenance Project :- Providing and fixing of typical 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	1.00	Each	11186.39	Rupees Eleven Thousand One Hundred & Eighty Six and Paise Thirty Nine Only	33559.17	
21	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	95.55	Cum	383.26	Rupees Three Hundred & Eighty Three and Paise Twenty Eight Only	36622.40	
22	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	65.98	Cum	6028.67	Rupees Six Thousand & Twenty Eight and Paise Sixty Seven Only	397771.65	
23	Painting Two Coats on New Concrete Surfaces :- Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades in new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	29.76	Sqm	123.24	Rupees One Hundred & Twenty Three and Paise Twenty Four Only	3667.62	
24	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1106,	2.02	Cum	563.71	Rupees Five Hundred & Sixty Three and Paise Seventy One Only	1138.69	
25	Plain/Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	35.46	Cum	7033.67	Rupees Seven Thousand & Thirty Three and Paise Eighty Seven Only	249421.03	
26	Providing Bitumen painting over top surface of Abutment cap & inner vertical surface of Dirt Wall including Heating the bitumen & cost of painting brush etc. all complete.	15.00	Sqm	20.77	Rupees Twenty and Paise Seventy Seven Only	311.55	
27	RCC M25 in Deck Slab :- Providing and laying reinforced cement concrete in superstructure (Deck slab M25) as per drawing and technical specifications Clauses 800, 1205.4, 1205.5	8.01	Cum	7789.69	Rupees Seven Thousand Seven Hundred & Eighty Nine and Paise Sixty Nine Only	62395.42	
28	Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications	1.16	MT	77921.67	Rupees Seventy Seven Thousand Nine Hundred & Twenty One and Paise Eighty Seven Only	90389.37	
29	Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight	15.00	RM	53.21	Rupees Fifty Three and Paise Twenty One Only	798.15	

Signature of Tenderer with seal

Signature
5/9/23

Signature
Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai
5/9/23

Tender Inviting Authority: Engg-in-Chief RWD Patna



Name of Work: Construction of Road & CD Works for Lakhisarai Shekhpura Path Se Shishma Gramin Path in Lakhisarai Block Under M/R



Contract No: Civil Works/



Bidder Name:		Excess (+)		%
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SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
30	Providing Weepholes in brick masonry, Plots / Reinforced concrete abutement, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structure with slope of 1V: 20H towards drawing	28.00	No	93.12	Rupees Ninety Three and Paise Twelve Only	2607.36
Cost of Construction :-						4135514.72
Add 18% GST						744392.65
Add 1% Labour Cess						41355.15
Seigniorage Fee						43890.00
Total Cost of Construction :-						4965152.52
31	Five Year Maintenance	20.000	Quarterly	18451.35	Rupees Eighteen Thousand Four Hundred & Fifty One and Paise Thirty Five Only	369027.00
Cost of Maintenance :-						369027.00
Add 18% GST						66424.86
Add 1% Labour Cess						3690.27
Seigniorage Fee						261.00
Total Cost of Maintenance :-						439403.13
Total Cost of Project Including Five Year Maintenance :-						5404555.65
Quoted Rate in Words		Rupees Fifty Four Lakh Four Thousand Five Hundred & Fifty Five and Paise Sixty Five Only				

Signature of Tenderer with seal

Prasanna
5/9/23

Asst. Engr
Executive Engineer
Rural Work Department
Work, Div, Lakhisarai

Name of Work: Construction of Road & CD Works for Lakhsarai Pachua Path to Nari Path Tak in Lakhsarai Block under M/R (1994)

Contract No: Civil Works/

Bidder Name:

Excess (+)

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount
				Figure	Words	
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/J	0.16	Mst	7249/00	Rupess: Seventy Two Thousand Six Hundred & Ninety Nine Only	1167.04
2	Construction of Subgrade and Earthen Shoulders :- 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 306.2 with lead upto 1000 m as per Technical Specification Clause 303.1	924.00	Cum	207.49	Rupess: Two Hundred & Fifty Seven and Paise Sixty Nine Only	190595.56
3	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	24.55	Cum	193.85	Rupess: Four Hundred & Three and Paise Eighty Five Only	4758.27
4	Granular Sub-base with Well Graded Material (Table 400.1) :- 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 403.	116.03	Cum	1591.23	Rupess: One Thousand Five Hundred & Ninety One and Paise Thirty Three Only	184663.57
5	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 Grading 2 as per Technical Specification Clause 405.	84.29	Cum	2895.97	Rupess: Two Thousand Eight Hundred & Nine and Paise Ninety Seven Only	244178.05
6	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 Grading 3 as per Technical Specification Clause 405.	122.66	Cum	2362.87	Rupess: Two Thousand Three Hundred & Sixty Two and Paise Eighty Seven Only	289411.93
7	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.	1627.67	Sqm	60.37	Rupess: Sixty and Paise Thirty Seven Only	98250.34

Signature of Tenderer with seal

P. Kumar
5/9/23

A. S. S. S.
Executive Engineer
Rural Work, Department
Work, Div, Lakhsarai

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2/11/23

Bidder Name:				Excess (+)			%
SCHEDULE OF WORKS							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
8	Patch work over WBM using Mix seal surface for bituminous and Existing CC Pavement :- 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.	1627.47	Sqm	273.38	Rupees Two Hundred & Seventy Three and Paise Thirty Eight Only	444917.75	
9	Tack Coat :- 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.	3899.97	Sqm	20.71	Rupees Twenty and Paise Seventy One Only	80768.38	
10	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, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.	56.81	Cum	13206.83	Rupees Thirteen Thousand Two Hundred & Six and Paise Eighty Three Only	750280.01	
11	Dry Lean Cement Concrete :- 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 25mm, aggregate cement ratio not to exceed 15:1 aggregate gradation after blending to be as per table 600-1 cement content not to be less than 150kg/cum optimum moisture content to be determined during trial length construction, concrete strength not be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing. (PCC M -15)	6.75	Cum	5867.77	Rupees Five Thousand Eight Hundred & Sixty Seven and Paise Seventy Seven Only	39607.45	

Signature of Tenderer with seal


 5/9/23


 Executive Engineer
 Rural Work, Department
 Work, Div, Lakhisarai


 5/9/23

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount
				Figure	Words	
12	Cement Concrete Pavement :- 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 not exceeding 25mm, mixed in a concrete of not less than 0.2cum capacity and appropriate weigh batcher using approved mix design. Laid in approved fixed side formwork (steel channel) laying and fixing of 125 micron thick plythene 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, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/ culvert and construction joints, admixtures as approved, curing of concrete slab for 14 days curing compound (where specified) and water finishing to lines and grade as per drawing and Technical specification clause 1501.	121.20	Cum.	7152.42	Rupees Seven Thousand Three Hundred & Fifty Two and Paise Forty Two Only	891113.30
13	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. Km stone	2.00	Each	2643.04	Rupees Two Thousand Six Hundred & Forty Three and Paise Four Only	5286.08
14	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. 200 m stone	3.00	Each	778.36	Rupees Seven Hundred & Seventy Eight and Paise Thirty Six Only	2335.08
15	Direction and Place Identification signs with size more than 0.9 sqm size board :- 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	1.92	Sqm	12568.33	Rupees Twelve Thousand Five Hundred & Sixty Eight and Paise Thirty Three Only	24131.19
16	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 803 (600 mm equilateral & triangle)	5.00	Each	3568.35	Rupees Three Thousand Five Hundred & Sixty Eight and Paise Thirty Five Only	17841.75

Signature of Tenderer with seal

[Signature]
5/9/23

[Signature]
5/9/23
Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

Work: Construction of Road & CD Works for Lakhisarai Pachma Patra Se Neri Patra Tak to Lakhisarai Block Code M/R (3954)

Contract No: Civil Works/

Excess (+)

SCHEDULE OF WORKS

Sl. No.	Description of work	Qty	Unit	Estimated Rate		Total
				Figure	Words	
17	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 circular)	5.00	Each	1738.84	Rupees Three Thousand Seven Hundred & Thirty Eight and Paise Eighty Four Only	8694.20
18	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 x 450 mm rectangular)	2.00	Each	3674.50	Rupees Three Thousand Six Hundred & Seventy Four and Paise Fifty Only	7349.00
19	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 (900 mm octagon stop board)	1.50	Each	7459.56	Rupees Seven Thousand Four Hundred & Fifty Nine and Paise Fifty Six Only	7459.56
20	Boundary Pillar/Guard Post - 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	56.00	Each	484.96	Rupees Six Hundred & Eighty Six and Paise Ninety Six Only	27119.36
21	Printing New Letters and Figures of any Shade - 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	Sq. ft	0.72	Rupees and Paise Seventy Two Only	253.44
22	Planting of Trees and their Maintenance for one Year - 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	30.00	Each	1231.74	Rupees One Thousand Two Hundred & Thirty One and Paise Seventy Four Only	36952.20
23	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 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.	120.00	Sqm	783.70	Rupees Seven Hundred & Eighty Three and Paise Seventy Eight Only	94053.60

Signature of Tenderer with seal

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5/9/23

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Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai
5/9/23

Bidder Name:				Excess (+)			%
SCHEDULE OF WORKS							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectors/Glass Beads on Concrete 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.	40.00	Sqm	888.96	Rupees Eight Hundred & Eighty Eight and Paise Ninety Six Only	35558.40	
25	(1) Providing and Fixing 'Logo' of Maintenance Project :- Providing and fixing of typical 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 main plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tube 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	3.00	Each	11145.05	Rupees Eleven Thousand One Hundred & Forty Five and Paise Eighty Five Only	33437.55	
26	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	140.16	Cum	383.28	Rupees Three Hundred & Eighty Three and Paise Twenty Eight Only	53720.52	
27	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	70.75	Cum	5867.77	Rupees Five Thousand Eight Hundred & Sixty Seven and Paise Seventy Seven Only	415144.73	
28	Brick Masonry work in cm 1:4 in head wall complete as per drawing and technical specification clause 1109 in cement mortar 1:4	36.42	Cum	6372.41	Rupees Six Thousand Three Hundred & Seventy Two and Paise Forty One Only	232081.17	
29	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head walls and parapets as per clause 1106 (600 mm Dia)	22.50	RM	2133.95	Rupees Two Thousand One Hundred & Thirty Three and Paise Ninety Five Only	48013.94	
30	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	139.92	Sqm	188.75	Rupees One Hundred & Eighty Eight and Paise Seventy Five Only	26409.90	
31	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	24.48	Sqm	63.89	Rupees Sixty Three and Paise Eighty Nine Only	1564.03	
32	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	5.76	Cum	6130.73	Rupees Six Thousand One Hundred & Thirty and Paise Seventy Three Only	35313.00	

Signature of Tenderer with seal

Pranav
5/9/23

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Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai
5/9/23

Name of Work: Construction of Road & CD Works for Lakhisarai Pachna Path Se Neri Path Tak In Lakhisarai Block Under M/R (2054)

PRINT

Contract No: Civil Works/

HELP

Bidder Name:	Excess (+)	%
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SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
33	Painting Two Coats on New Concrete Surfaces :- 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 1201	66.88	Sqm	123.24	Rupees One Hundred & Twenty Three and Paise Twenty Four Only	8242.29
34	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108.	1.25	Cum	563.71	Rupees Five Hundred & Sixty Three and Paise Seventy One Only	704.64
35	Plain/Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	34.17	Cum	6844.84	Rupees Six Thousand Eight Hundred & Forty Four and Paise Eighty Four Only	233888.18
36	Providing Bitumen painting over top surface of Abutment cap & inner vertical surface of Dirt Wall including Heating the bitumen & cost of painting brush etc. all complete.	14.10	Sqm	20.71	Rupees Twenty and Paise Seventy One Only	292.01
37	RCC M25 in Deck Slab :- Providing and laying reinforced cement concrete in superstructure (Deck slab M25) as per drawing and technical specifications Clauses 800, 1205.4, 1205.5	4.61	Cum	7600.66	Rupees Seven Thousand Six Hundred and Paise Sixty Six Only	35039.04
38	Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications	0.76	MT	77921.87	Rupees Seventy Seven Thousand Nine Hundred & Twenty One and Paise Eighty Seven Only	59220.62
39	Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight	15.00	RM	53.21	Rupees Fifty Three and Paise Twenty One Only	798.15
40	Providing Weepholes in brick masonry, Plain / Reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structure with slope of 1V: 20H towards drawing	28.00	No	93.12	Rupees Ninety Three and Paise Twelve Only	2607.36

Cost of Construction :- 4741194.19

Add 18% GST 853414.95

Add 1% Labour Cess 47411.94

Seigniorage Fee 55479.00

Total Cost of Construction :- 5697500.08

41	Five Year Maintenance	20.000	Quarterly	43314.30	Rupees Forty Three Thousand Three Hundred & Fourteen and Paise Thirty Only	866286.00
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Cost of Maintenance :- 866286.00

Add 18% GST 155931.48

Add 1% Labour Cess 8662.86

Seigniorage Fee 5205.00

Total Cost of Maintenance :- 1036085.34

Total Cost of Project Including Five Year Maintenance :- 6733585.42

Quoted Rate in Words

Rupees Sixty Seven Lakh Thirty Three Thousand Five Hundred & Eighty Five and Paise Forty Two Only

Signature of Tenderer with seal

[Signature]
5/9/23

[Signature]
Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

[Signature]
5/9/23

Govt. of Bihar
Rural Works Department
Office of the Executive Engineer, Rural Works Department,
Works Division Lakhisarai

(बिहार ग्रामीण पथ अनुसंधान नीति, 2018)

Notice Inviting Tender for Rural Roads Maintenance based on Output and performance based Contract through e-procurement mode on Model Bidding Document (MBD).

(Notice Inviting No. - R-R-Tender-MB-3054-1/2023-23)

- | | |
|--|--|
| 1. Designation and Address of the Advertiser: | Executive Engineer, Rural Works Department, Works Division Lakhisarai |
| 2. Date of issue of Notice Inviting Tender: | 01.12.2023 |
| 3. Period for downloading of Tender documents: | From 24.01.2023 (9:00) to 31.01.2023 up to 15:00 hrs. From website http://www.e-procurement.gov.in |
| 4. Date, Time & Place of Pre-Bid Meeting: | Date 26.01.2023 time 15:00 hrs.
Place O/o Concerned Superintending Engineer |
| 5. Last Date & Time for uploading tender Documents by bidder: | Date 31.01.2023 up to 15:00 hrs.
http://www.e-procurement.gov.in |
| 6. Date, time for online opening of Technical bid: | Date 31.01.2023 up to Time 15:30 hrs |
| 7. Last date, time and place for submission of Original document of EMD, Cost of BOQ and Affidavit regarding correctness of bid document provided with bid document: | |

Till 15:00 hrs on 31.01.2023

Place: O/o concerned

(i) Executive Engineer

Or

(ii) Superintending Engineer

Or

(iii) Chief Engineer

8. The Engineer in Chief, Rural Works Department on behalf of Governor of Bihar invites bids from the eligible bidders for the works detailed below:

Project Scope & Description:

- i. To undertake, initial Rectification Works including surface renewal and Ordinary Maintenance for a period of 5 years after completion of initial rectification works including surface renewal Works on selected roads as described in para 9.
- ii. The Initial Rectification may include improvement and pavement strengthening and widening work, road safety measures and tree plantation in flanks as per contract document. The initial rectification including surface renewal of works will be done in such a way that after rectification it complies all technical standards and safety measures to bring the road under prescribed service level. The time of completion for initial rectification works including surface renewal shall be 03 months from the date of issue of LOA.
- iii. After completion of initial rectification with surface renewal the selected roads will be maintained for next five years to comply the prescribed service level, to maintain road for traffic worthy. The ordinary maintenance work will also include cross drainage works, minor works on bridges and road maintenance within road-side maintenance within selected roads.
- iv. The Ordinary Maintenance works will be carried out under performance based road maintenance on a lump sum basis paid Quarterly.
- v. Initial Rectification Works including surface renewal will be paid on measured quantity to the value of contract.
- vi. There is a requirement for specialised maintenance equipment and the contract obligation is for continuous input over the contract period i.e. initial rectification including surface renewal and ordinary maintenance period.
- vii. To undertake emergent repair due to natural calamities like flood, earthquake, etc.
- viii. Bidders are strongly encouraged to download the bidding documents prior to the pre-bid meeting in order for bidders to have a good understanding of the scope of work under this contract for discussion and clarification at the pre-bid meeting. Bidders are also advised to visit such road, be acquainted with the physical condition of road, satisfy themselves and then participate in the bid.

9. Details of Works -

Sl. No.	Package No.	District	Division	Block	Name of Road	Length	Cost of Initial Rectification with Surface Renewal	Cost of 5-years Maintenance	Total Estimated Cost	Cost of BOQ	Bid Security	Amount Payable to works Division
						(in Km)	(in Lakh)	(in Lakh)	(in Lakh)	(in Rs.)	(Rs. in Lakh)	
1	MB-N23-22 Lakhisarai/01	Lakhisarai	Lakhisarai	Haldi	PAIGSY Panchayat Path to Durgu Ashok-hata Jaga Panchayat, Bhatnagar Tah.	1.300	119.52	15.32	134.840	10000	4.202	EE, RWWD Works Division, LAKHISARAI
		Lakhisarai	Lakhisarai	Haldi	RWD Panchayat Path to Kakepur Panchayat (Kakepur) to Bhatnagar Ashok-hata	0.920	63.58	7.52	71.100			
		Total for the Group				2.220	183.100	22.840	210.940			
2	MB-N23-22 Lakhisarai/02	Lakhisarai	Lakhisarai	Bhatnagar	Sandila Vardh to Sandila Village	0.600	24.92	6.72	31.640	10000	3.073	EE, RWWD Works Division, LAKHISARAI
		Lakhisarai	Lakhisarai	Bhatnagar	PAIGSY Gauri Path to Nawaoli Tah.	1.200	110.70	11.12	121.820			
		Total for the Group				1.800	135.620	17.840	153.460			

Signature
5/9/23

Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

5/9/23

