

-:Contractor's BID :-

Attached separately

NAME OF WORK:- MR-N/23-24 Lakhisarai/05 (T02 Punadih Se Dudham
Korasi (Rajghat Kol) Block in Suryagarha, Under M/R in
Lakhisarai District.

District:- Lakhisarai

Block :- Suryagarh

Sl. No	Name of Road	Leanth (km)	Cost of Construction (Rs. In lacks)	Maintenance cost (Rs. In lacks)
1	MR-N/23-24 Lakhisarai/05 (T02 Punadih Se Dudham Korasi (Rajghat Kol)	3.068	165.31176	42.16553
Total		3.068	165.31176	42.16553

Gidam
24/8/23

Ashwini
Executive Engineer
RWD Works Division, Lakhisarai
Rakshita
26.8.23

Rajiv Kumar

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

AGREEMENT NO:-21/MBD/2023-24

NAME OF WORK:- MR-N/23-24 Lakhisarai/05 (T02 Punadih Se Dudham
Korasi (Rajghat Kol) Block in Suryagarha, Under M/R
in Lakhisarai District.

NAME OF AGENCY:- Sri Rajnish Kumar
Vill- Paharpur,
PO- Dariyapur,
Dist- Lakhisarai, Bihar.

Reference :- Chief Engineer-2
R.W.D Bihar, Patna
Vide Letter No. 2494 Date :- 11.08.23

AGREEMENT AMOUNT – Main work:- 1,65,31,176.00 ✓
Maintenance work:- 42,16,553.00 ✓
Total Amount:- 2,07,47,729.00 ✓

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

Date of Commencement :- 26 August 2023

Date of Completion :- 25 May 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

Rajnish Kumar

26/8/23
Executive Engineer
RWD, Works Division, Lakhisarai

26/8/23

Tender Inviting Authority: Engg-in Chief RWD Patna

VALIDATE

Name of Work: Construction of Road & CD Works for T02 Punadih Se Dudham Korasi (Rajghat Kol)
in Suryagarha Block Under MR-3054

PRINT

Contract No: Civil Works/

HELP

Bidder
Name:

Excess (+)

%

SCHEDULE OF WORKS

Sl.	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, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	1.23	Hect	75573.34	Rupees Seventy Five Thousand Five Hundred & Seventy Three and Paise Thirty Four Only	92955.00
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 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.	2915.10	Cum	262.74	Rupees Two Hundred & Sixty Two and Paise Seventy Four Only	765913.00
3	Granular Sub-base Gr - II 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.	709.83	Cum	2749.70	Rupees Two Thousand Seven Hundred & Forty Nine and Paise Seventy Only	1951820.00
4	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.	492.01	Cum	3704.96	Rupees Three Thousand Seven Hundred & Four and Paise Ninety Six Only	1822877.00
5	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.	6560.13	Sqm	59.89	Rupees Fifty Nine and Paise Eighty Nine Only	392886.00
6	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.	6560.13	Sqm	282.84	Rupees Two Hundred & Eighty Two and Paise Eighty Four Only	1855457.00
7	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 hydriac broom as per technical specification clause 503.	15940.13	Sqm	20.55	Rupees Twenty and Paise Fifty Five Only	348120.00

Signature of Tenderer with seal

Sashish Kumar

26/11/23

Executive Engineer
RWD Works Division, Lakhisarai

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work: Construction of Road & CD Works for T02 Punadih Sa Dudham Korasi (Rajghat Koli)
in Suryagarha Block Under MR-3054

VALIDATE

PRINT

Contract No: Civil Works/

HELP

Bidder
Name:

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
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, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.	259.50	Cum	13906.26	Rupees Thirteen Thousand Nine Hundred & Six and Paise Twenty Six Only	3608674.00
9	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.	8.44	Cum	6813.76	Rupees Six Thousand Eight Hundred & Thirteen and Paise Seventy Six Only	57491.00
10	Cement Concrete Pavement :- Construction of unreinforced 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 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.	181.80	Cum	8312.19	Rupees Eight Thousand Three Hundred & Twelve and Paise Nineteen Only	1511156.00
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. Km stone	5.00	Each	2922.16	Rupees Two Thousand Nine Hundred & Twenty Two and Paise Sixteen Only	14611.00
12	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	12.00	Each	827.74	Rupees Eight Hundred & Twenty Seven and Paise Seventy Four Only	9933.00

Signature of Tenderer with seal

Rakesh Kumar

26/8/23

Executive Engineer

RWD Works Division, Lakhisarai

Tender Inviting Authority: Engg-in Chief RWD Patna

VALIDATE

Name of Work: Construction of Road & CD Works for T02 Punadih Se Dudham Korasi (Rajghat Kol)
in Suryagarha Block Under/ MR-3054

PRINT

Contract No: Civil Works/

HELP

Tender
Name:

Excess (+)

%

Sl.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
13	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	15040.86	Rupees Fifteen Thousand & Forty and Paise Eighty Six Only	28878.00
	Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC-67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 (600 mm equilateral & triangle)	14.00	Each	4515.43	Rupees Four Thousand Five Hundred & Fifteen and Paise Forty Three Only	63216.00
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 circular)	8.00	Each	4387.18	Rupees Four Thousand Three Hundred & Eighty Seven and Paise Eighteen Only	35097.00
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 (600 mm x 450 mm rectangular)	8.00	Each	4241.20	Rupees Four Thousand Two Hundred & Forty One and Paise Twenty Only	33930.00

Rakesh Kumar

24/8/23

A8 26/8/23
Executive Engineer
RWD Works Division, Lakhisarai

Signature of Tenderer with seal

Contract No: Civil Works/

Bidder Name:

Excess (+)

%

		Excess (+)				%
Sl.	Description of work	SCHEDULE OF WORKS				AMOUNT Rs. P
		No. or Qty.	Unit	Estimated Rate		
				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 (900 mm octagon stop board)	4.00	Each	8755.26	Rupees Eight Thousand Seven Hundred & Fifty Five and Paise Twenty Six Only	35021.00
18	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	24.00	Each	800.01	Rupees Eight Hundred and Paise One Only	19200.00
19	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	176.00	m height per	0.75	Rupees and Paise Seventy Five Only	132.00
20	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	111.00	Each	1288.76	Rupees One Thousand Two Hundred & Eighty Eight and Paise Seventy Six Only	143052.00
21	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising 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.	553.60	Sqm	886.46	Rupees Eight Hundred & Eighty Six and Paise Forty Six Only	490744.00
22	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.	60.00	Sqm	994.60	Rupees Nine Hundred & Ninety Four and Paise Sixty Only	59676.00

Rishabh Kumar

Rishabh Kumar
26/09/23A. K. Singh
Executive Engineer
RWD Works Division, Lakhisarai

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work: Construction of Road & CD Works for T02 Punadih Se Dudham Korasi (Rajhat Koli)
in Suryagarha Block Under MR-3054

Contract No: Civil Works

VALIDATE

PRINT

HELP

Bidder
Name:

Excess (+)

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Sl.	Description of work	SCHEDULE OF WORKS				AMOUNT Rs.
		No. or Qty.	Unit	Estimated Rate		
				Figure	Words	
23	(I) 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	3.00	Each	13877.86	Rupees Thirteen Thousand Eight Hundred & Seventy Seven and Paise Eighty Six Only	41634.00
24	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.	163.12	Cum	398.62	Rupees Three Hundred & Ninety Eight and Paise Sixty Two Only	65023.00
25	Providing M15 (PCC 1:2.5:5) as leveling 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	78.78	Cum	6813.76	Rupees Six Thousand Eight Hundred & Thirteen and Paise Seventy Six Only	536652.00
26	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)	30.00	RM	3211.16	Rupees Three Thousand Two Hundred & Eleven and Paise Sixteen Only	96335.00
27	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	100.80	Sqm	202.49	Rupees Two Hundred & Two and Paise Forty Nine Only	20411.00
28	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 800, 900 and 1208.4	14.40	Cum	6562.75	Rupees Six Thousand Five Hundred & Sixty Two and Paise Seventy Five Only	94504.00
29	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 1701	130.56	Sqm	135.90	Rupees One Hundred & Thirty Five and Paise Ninety Only	17743.00
30	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108	2.02	Cum	594.64	Rupees Five Hundred & Ninety Four and Paise Sixty Four Only	1201.00
31	Plain/Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	108.82	Cum	7861.15	Rupees Seven Thousand Eight Hundred & Sixty One and Paise Fifteen Only	855450.00

Signature of Tenderer with seal

Rishi Kumar

Rishi Kumar
20/08/23Executive Engineer
RWD Works Division, Lakhisarai

Bidder
Name:

Excess (+)

%

Sl	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
32	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	20.55	Rupees Twenty and Paise Fifty Five Only	308.00
33	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	9086.23	Rupees Nine Thousand & Eighty Six and Paise Twenty Three Only	72781.00
34	Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications	1.16	MT	82094.40	Rupees Eighty Two Thousand & Ninety Four and Paise Forty Only	95230.00
35	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	56.31	Rupees Fifty Six and Paise Thirty One Only	845.00
36	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	40.00	No	193.22	Rupees One Hundred & Ninety Three and Paise Twenty Two Only	7729.00
Cost of Construction :-						15246695.00
Add 18% GST						2744405.10
Add 1% Labour Cess						152466.95
Seigniorage Fee						224405.78
Total Cost of Construction :-						18367972.83
37	Five Year Maintenance cost	20.000	Quarly	195587.75	Rupees One Lakh Ninety Five Thousand Five Hundred & Sixty Seven and Paise Seventy Five Only	3911355.00
Cost of Maintenance :-						3911355.00
Add 18% GST						704043.90
Add 1% Labour Cess						39113.55
Seigniorage Fee						30546.50
Total Cost of Maintenance :-						4685058.95
Total Cost of Project Including Five Year Maintenance :-						23053031.78
Estimated Rate in Words		Rupees Two Crore Thirty Lakh Fifty Three Thousand & Thirty One and Paise Seventy Eight Only				

Rishi Kumar

Pranav
26/8/23

11.5.23

Executive Engineer
Rural Work Department
Work, Div, Lakhisarai