

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

ONE THOUSAND RUPEES

रु.1000

Rs.1000

बिहार BIHAR

AT 593024

Date of Commencement = 13-09-2023

Date of completion = 12-06-2024

OFFICE OF THE EXECUTIVE ENGINEER

RURAL WORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI

AGREEMENT NO:-29/MBD/2023-24 Rate- 10% below

This agreement, made the 13.09.2023 day of 2023 between Executive Engineer, RWD, Works Division, Lakhisarai, Govt. of Bihar Patna and Sri Gopal Kumar, S/o Sri Kedar Prasad Sharma, At+PO- Walipur, Lakhisarai, Bihar

Whereas the Employer is desirous that the Contractor execute output and performance based Rural Road contract for the maintenance of road from MR-N/23-24/Lakhisarai/04 Package Under of Block in Ramgarh chowk, 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. 4,79,47,960.00 (Four Crore Seventy Nine Lakh Forty Seven Thousand Nine Hundred Sixty) only & Five year Maintenance cost Rs. 1,39,18,650.00 (One Crore Thirty Nine Lakh Eighteen Thousand Six Hundred Fifty) only total cost Rs. 6,18,66,610.00 (Six Crore Eighteen Lakh Sixty Six Thousand Six Hundred Ten) only.

A. He has deposited Performance Security Deposit and Additional Performance Guarantee vide No. Rs.

FONO-7543065595 Amt- 16,16,000/-

7588507520 Amt- 13,26,000/-

7538508648 Amt- 10,90,000/-

NSI-4050868252 Amt- 23,000/-

4501226983 Amt- 8000/-

427421942 Amt- 52000/-

4050864453 Amt- 58300/-

3772421424 Amt- 14000/-

Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

Gopal Kumar

13/9/23

Sl. No.	Name of Road	Const. Cost	Maintenance cost	Agreement Value
1	L044 (L024) Se Jahana	42.97309	12.07703	55.05012
2	T01 to Koli	183.37345	50.76690	234.14035
3	Gilni to Sawan Khairwan	253.13306	76.34257	329.47563
Total		479.47960	139.18650	618.66610

NOW THIS AGREEMENT WITNESSTH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the condition of contract hereinafter referred to and they shall be deemed to from and be read and construed as part of this agreement.
2. In consideration of the payment to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the contract.
3. The Employer hereby covenants to pay the contractor in consideration of the Execution adcompletion of the works and the remedying the defects hear in Contract price or such other sum as may become payable under the provision of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be ready and construed as part of this Agreement viz

1. Letter of Acceptance
2. Contractor's Bid
3. Section VI-General Conditions
4. Section VII- Particular Condition
5. Section V - Technical Specification (General and Supplementary Technical Specification)
6. Appendix A - Drawings
7. Section IV - Works Schedule
8. Quality plan for output and performance based road contract as per clause A14.1 of the technical specifications
9. Appendices of the contract
10. Addenda issued during bid period
11. Any other relevant documents listed in the particular conditions together with any post bid correspondence.

In witness whereof the parties thereto have caused this agreement to be executed the day and year first before written

The Common Seal of was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said

..... in the presence of:

Binding Signature of Employer

Binding Signature of Contractor

Gopal Kumar

Richard
13/9/23

AS 13/9/23
Executive Engineer,
Rural Work, Department
Work, Div, Lakhsaral
13/9/23

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

AGREEMENT NO:- 28/MBD/2023-24

NAME OF WORK:- MR-N/23-24/Lakhisarai/04 Package Under of Block in
Ramgarh chowk, Under M/R in Lakhisarai District.

NAME OF AGENCY:- Sri Gopal Kumar
S/o - Sri Kedar Prasad Sharma,
At+ PO- Walipur
Dist- Lakhisarai, Bihar

Reference :- Chief Engineer-4
R.W.D Bihar, Patna
Vide Letter No. 2835 Date :- ~~19.09.23~~ 11.9.2023

AGREEMENT AMOUNT - Main work:-	4,79,47,960.00
Maintenance work:-	1,39,18,650.00
Total Amount:-	6,18,66,610.00

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

Date of Commencement :- 13.9.23

Date of Completion :- 12.6.24

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

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

Contractor Signature

Gopal Kumar

13/9/23

13/9/23
Executive Engineer
Rural Works Department
Work, Div, Lakhisarai
13/9/23

Contract No: Civil Works/

Bidder Name:				Excess (+)			%
SCHEDULE OF WORKS							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
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 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 100mm in thickness as per technical specification clause 201.1 and direction of E3	8.41 ✓	Hect	75573.34	Rupees: Seventy Five Thousand Five Hundred & Seventy Three and Paise Thirty Four Only	32995.00	
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	337.55 ✓	Cum	258.20	Rupees: Two Hundred & Fifty Nine and Paise Twenty Only	87480.00	
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 300.1	544.50 ✓	Cum	262.74	Rupees: Two Hundred & Sixty Two and Paise Seventy Four Only	143082.00	
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, riding by mix to place method with rotavator, at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401	62.33 ✓	Cum	1715.26	Rupees: One Thousand Seven Hundred & Fifteen and Paise Twenty Six Only	106878.00	
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 60-100 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	43.18 ✓	Cum	3637.88	Rupees: Three Thousand Six Hundred & Thirty Seven and Paise Ninety Eight Only	157124.00	
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	30.13 ✓	Cum	3220.73	Rupees: Three Thousand Two Hundred & Twenty and Paise Seventy Three Only	161520.00	
7	Prime Coat :- Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of mud surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical mixer as per Technical Specification Clause 502	608.57 ✓	Sqm	58.99	Rupees: Fifty Nine and Paise Ninety Nine Only	40114.00	

Order Inviting Authority: Engr-in-Chief RWD Patna

☒ VALIDATE

Line of Work: Construction of Road & CD Works for L544 (L024) Se Jahana in Ramgarh Chowk Block Under MR-3054

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	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 lime, 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	668.67	Sqm	236.19	Rupees Two Hundred & Eighty Six and Paise Nineteen Only	191367.00
9	Tack Coat - Providing and applying tack coat with bitumen emulsion using emission pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and covered with hydraulic boom as per technical specification clause 509	3537.42	Sqm	20.58	Rupees Twenty and Paise Fifty Eight Only	72800.00
10	Semi-Dense Bituminous Concrete - Providing and laying semi dense bituminous concrete with 500-120 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 hydraulic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeler, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects.	71.72	Cum	10000.01	Rupees Thirteen Thousand Nine Hundred & Ninety Nine and Paise One Only	1004000.00
11	Supply and providing MP4 300 mm dia hump ppe across carriageway in open areas	15.00	RM	621.90	Rupees Six Hundred & Twenty One and Paise Ninety Only	9329.00
12	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:382, 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 500-1 cement content not to be less than 150kg/m ³ 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-13)	11.60	Cum	6879.84	Rupees Six Thousand Eight Hundred & Seventy Nine and Paise Eighty Four Only	79805.00

Gopal Kumar

Signature of Tenderer with seal

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

Bidder Name:				Excess (+)		%
SCHEDULE OF WORKS						
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
13	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 (aid 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 vibrations and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding slits, primer, sealers, 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 line and grade as per drawing and Technical specification clause 1501.	158.30	Cum	6085.76	Rupees Eight Thousand Three Hundred & Eighty and Paise Seventy Six Only	1410482.00
14	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and priming, etc as per drawing and technical specification clause 1703. 200 m stone	2.00	Each	2938.11	Rupees Two Thousand Nine Hundred & Thirty Eight and Paise Eleven Only	5876.00
15	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and priming, etc as per drawing and technical specification clause 1703. 200 m stone	4.00	Each	827.64	Rupees Eight Hundred & Twenty Seven and Paise Eighty Four Only	3311.00
16	Direction and Place Identification signs with size more than 0.9 sqm size board :- 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 1701.2.2, 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 M15 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.	1.52	Sqm	15047.94	Rupees Fifteen Thousand & Forty Seven and Paise Sixty Four Only	228891.00
17	Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC-67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.2 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)	4.00	Each	4475.81	Rupees Four Thousand Four Hundred & Seventy Five and Paise Eighty One Only	17900.00

Gopal Kumar

Signature of Tenderer with seal

Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

Contract No: Civil Works/

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
18	Providing and fixing of retro-reflectors of 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)	4.00	Each	4348.53	Rupees - Four Thousand Three Hundred & Forty Eight and Paise Eighty Three Only	17395.00
19	Providing and fixing of retro-reflectors of 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	4204.30	Rupees - Four Thousand Two Hundred & Four and Paise Thirty Only	8409.00
20	Providing and fixing of retro-reflectors of 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)	2.00	Each	8873.66	Rupees - Eight Thousand Six Hundred & Seventy Three and Paise Sixty Six Only	17347.00
21	Boundary Pillar/Corner Post - Reinforced cement concrete M15 grade, boundary pillars/corner 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	15.00	Each	779.52	Rupees - Seven Hundred & Seventy Nine and Paise Fifty Two Only	12792.00
22	Painting New Letters and Figures of any Shade - 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	m height per	0.76	Rupees - and Paise Seventy Six Only	268.00
23	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 ditch, watering, fixing the tree guard and maintaining the plants for one year	38.00	Each	1268.76	Rupees - One Thousand Two Hundred & Eighty Eight and Paise Seventy Six Only	48073.00
24	Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 25 (The finished surface to be level, uniform and free from streams and holes)	150.00	Sqm	890.45	Rupees - Eight Hundred & Eighty Six and Paise Forty Six Only	132988.00

Signature of Tenderer with seal

Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai

Bidder Name:	Excess (+)	%
--------------	------------	---

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	- Words	

25	Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Concrete Surface :- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting 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.	36.00	Sqm	904.50	Rupees Nine Hundred & Ninety Four and Paise Sixty Only	32703.00
----	--	-------	-----	--------	--	----------

26	(i) Providing and Fixing 'Logo' of Maintenance Project :- Providing and fixing of typical 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 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 given enamel 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	Evrh	11555.00	Rupees Eleven Thousand Six Hundred & Fifty Five and Paise Sixty Nine Only	34667.00
----	--	------	------	----------	---	----------

27	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	75.28	Sqm	136.22	Rupees One Hundred & Thirty Six and Paise Twenty Two Only	10352.00
----	--	-------	-----	--------	---	----------

28	Plan/Reinforced cement concrete (RCC-M-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	10.55	Cum	7628.13	Rupees Seven Thousand Nine Hundred & Twenty Eight and Paise Thirteen Only	80321.00
----	--	-------	-----	---------	---	----------

Cost of Construction :-						3972463.00
Add 18% GST						715043.34
Add 1% Labour Cess						39724.63
Seigniorage Fee						47557.00
Total Cost of Construction :-						4774787.97

29	Five Year Maintenance cost	26.000	Quary	56075.00	Rupees Fifty Six Thousand & Seventy Eight Only	1121560.00
----	----------------------------	--------	-------	----------	--	------------

Cost of Maintenance :-						1121560.00
Add 18% GST						201880.80
Add 1% Labour Cess						11215.60
Seigniorage Fee						7236.00
Total Cost of Maintenance :-						1341892.40

Total Cost of Project Including Five Year Maintenance :-						6116680.37
--	--	--	--	--	--	------------

Quoted Rate in Words	Rupees Sixty One Lakh Sixteen Thousand Six Hundred & Eighty and Paise Thirty Seven Only
----------------------	---

Signature of Tenderer with seal

Executive Engineer
Rural Work Department
Work, Div, Lakhisarai

E. Letter No. 721 Dt. 11.05.2023
Construction Cost Rs. 4774787.97
5 yrs. Maintenance Cost Rs. 1341892.40
Total Cost Rs. 6116680.37
BOQ Approved For Rs. 6116700.00
(Rupees. Sixty one lakh sixteen thousand
Seven hundred only)
Including 5 yrs Maintenance Vide
sam no. 01 to 29


Assistant Engineer
Public Works Department
Amraoti Circle, Munger
13/5/2023

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs. P
				Figure	Words	
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 under & 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	9.75	Hea	75573.34	Rupees - Seventy Five Thousand Five Hundred & Seventy Three and Paise Thirty Four Only	57436.00
2	Scarifying the existing bituminous road surface to a depth of 150 mm and disposal of scarified material with a lift upto 3 m and lead upto 1000 m as per Technical Specification Clause 301.4	765.00	Sqm	20.58	Rupees - Twenty and Paise Fifty Eight Only	15744.00
3	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	3397.50	Cum	259.20	Rupees - Two Hundred & Fifty Nine and Paise Twenty Only	880632.00
4	Construction of Subgrade and Earthen Shoulders - Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with a lift 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	4181.75	Cum	262.74	Rupees - Two Hundred & Sixty Two and Paise Seventy Four Only	1098458.00
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 motor grader at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401	971.85	Cum	1632.05	Rupees - One Thousand Six Hundred & Thirty Seven and Paise Five Only	1595840.00
6	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	87.41	Cum	3476.67	Rupees - Three Thousand Four Hundred & Seventy Six and Paise Eighty Seven Only	303913.00
7	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	420.02	Cum	3873.07	Rupees - Three Thousand & Seventy Three and Paise Seven Only	1260751.00
8	Prime Coat - Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including clearing of road surface and straying primer at the rate of 0.20-1.0 kg/sqm using mechanical means as per Technical Specification Clause 503	5600.22	Sqm	59.90	Rupees - Fifty Nine and Paise Twenty Only	335458.00

Gopal Kumar

Signature of Tenderer with seal

 A22 13/5/24
 Executive Engineer
 Rural Work Division

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
9	Patch work over WBM using Mix seal surface for bituminous and Existing CC Pavement :- Providing, laying and rolling of dense-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.	5644.02	Sqm	283.25	Rupees Two Hundred & Eighty Three and Paise Twenty Five Only	1655319.00
10	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 hydrisco broom as per technical specification clause 503.	20141.83	Sqm	20.55	Rupees Twenty and Paise Fifty Five Only	413915.00
11	Semi-Dense Bituminous Concrete :- Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMAF 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.	357.45	Cum	13725.81	Rupees Thirteen Thousand Seven Hundred & Twenty Six and Paise Sixty One Only	4906577.00
12	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and priming, etc as per drawing and technical specification clause 1703. Km stone.	5.00	Each	2932.44	Rupees Two Thousand Nine Hundred & Thirty Two and Paise Forty Four Only	14662.00
13	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and priming, etc as per drawing and technical specification clause 1703. 200 m stone.	15.00	Each	840.82	Rupees Eight Hundred & Forty and Paise Eighty Two Only	12612.00
14	Direction and Place Identification signs with size more than 0.9 sqm size board :- 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. Seal 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.	1.32	Sqm	15034.25	Rupees Fifteen Thousand & Thirty Four and Paise Twenty Five Only	29886.00

Gopal Kumar

Signature of Tenderer with seal

13/9/17
Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		Amount Rs. P.
				Figure	Words	
15	Providing and fixing of retro-reflectors 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 801 (600 mm equilateral & triangle)	22.00	Each	4465.70	Rupees Four Thousand Four Hundred & Sixty Five and Paise Seventy Six Only	98247.00
16	Providing and fixing of retro-reflectors 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 801 (600 mm circular)	8.00	Each	4338.75	Rupees Four Thousand Three Hundred & Thirty Eight and Paise Seventy Nine Only	34710.00
17	Providing and fixing of retro-reflectors 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 801 (600 mm x 450 mm rectangular)	6.00	Each	4194.25	Rupees Four Thousand One Hundred & Ninety Four and Paise Twenty Six Only	25165.00
18	Providing and fixing of retro-reflectors 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 801 (900 mm octagon stop board)	8.00	Each	5863.62	Rupees Eight Thousand Six Hundred & Sixty Three and Paise Sixty Two Only	51982.00
19	Boundary Pillar/Corner Post - Reinforced cement concrete M15 grade boundary pillar/corner 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	88.00	Each	809.53	Rupees Eight Hundred & Nine and Paise Fifty Three Only	71239.00
20	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	160.00	m height per	0.75	Rupees and Paise Seventy Six Only	122.00

Signature of Tenderer with seal

APR 15/23
EXECUTIVE Engineer,
Rural Work, Department
Work, Div. Lakhisarai

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
21	Planting of Trees and their Maintenance for one year - Planting of trees by the road side (Avenue trees) 10.00 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm waste/old manure, planting the saplings, backfilling the trench, watering, tying the tree guard and maintaining the plants for one year	186.00	Each	1268.75	Rupees: One Thousand Two Hundred & Eighty Eight and Paise Sixty Six Only	236047.00
22	Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC-35. The finished surface to be level, uniform and free from cracks and holes.	355.00	Sqm	886.46	Rupees: Eight Hundred & Eighty Six and Paise Forty Six Only	314777.00
23	(Providing and Fixing 'Logo' of Maintenance Project) - Providing and fixing of typical 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 50 size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 6mm. 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 10-15 grade blocks of 450mm x 450mm x 900mm, 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	11635.60	Rupees: Eleven Thousand Six Hundred & Thirty Five and Paise Sixty Only	34907.00
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 stump 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.	336.30	Cum	308.82	Rupees: Three Hundred & Ninety Eight and Paise Sixty Two Only	134068.00
25	Providing M15 (PCC 1:2:8.5) as leveling course in foundation - Providing PCC M 15 (1:2:8.5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203.	207.41	Cum	6800.14	Rupees: Six Thousand Eight Hundred and Paise Fourteen Only	1410417.00
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.)	7.55	Rm	3217.41	Rupees: Three Thousand Two Hundred & Seventeen and Paise Forty One Only	24431.00
27	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 (1000 mm Dia.)	7.00	Rm	8885.35	Rupees: Six Thousand Eight Hundred & Eighty Five and Paise Thirty Five Only	62190.00

Signature Tenderer with seal

Gopal Kumar

Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai

Part No. Civil Works

Excess (+)

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
Plastering with cement mortar (1:4) on brick work on sub-structure as per Technical Specifications	60.48	Sqm	202.95	Rupees Two Hundred & Two and Paise Ninety Five Only	12274.00
Block masonry work in cement mortar 1:3 in parapet including pointing and plastering as per drawing and technical specifications Clauses 802, 803 and 1204.4	3.54	Cum	8354.05	Rupees Six Thousand Three Hundred & Fifty Four and Paise Five Only	54390.00
Painting Two Coats on New Concrete Surfaces - Painting two coats including primer coat after filling the surface with synthetic enamel paint in all places in new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1106	123.20	Sqm	135.22	Rupees One Hundred & Thirty Six and Paise Twenty Two Only	16782.00
Painting in Foundation Trenches as per drawing and technical specification Clause 1106	3.22	Cum	375.27	Rupees Five Hundred & Seventy Five and Paise Twenty Seven Only	1852.00
Reinforced cement concrete (RCCM-20) in structure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	143.23	Cum	7845.01	Rupees Seven Thousand Eight Hundred & Forty Five and Paise One Only	1129031.00
Providing Bitumen painting over top surface of current cap & other vertical surface of D/S Wall including heating the bitumen & cost of painting, labour etc. all complete	20.10	Sqm	20.53	Rupees Twenty and Paise Fifty Five Only	590.00
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	13.07	Cum	8502.19	Rupees Eight Thousand Five Hundred & Two and Paise Nineteen Only	111124.00
Supplying, tying and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications	1.93	MT	82111.20	Rupees Eighty Two Thousand One Hundred & Eleven and Paise Twenty Only	158475.00
Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 5 per cent bitumen by weight	30.00	RM	55.61	Rupees Fifty Five and Paise Sixty One Only	1668.00
Providing Weepholes in brick masonry, Rain / 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	82.00	No	191.77	Rupees One Hundred & Ninety One and Paise Seventy Seven Only	15740.00

Cost of Construction :- 16916955.00

Add 18% GST 3045053.70

Add 1% Labour Cess 169169.65

Seigniorage Fee 243640.00

Total Cost of Construction :- 20374828.35

Five Year Maintenance cost

20.000

Quarry

238418.15

Rupees Two Lakh Thirty Five Thousand Four Hundred & Eighteen and Paise Fifteen Only 4708363.00

Cost of Maintenance :- 4708363.00

Add 18% GST 847505.34

Add 1% Labour Cess 47083.63

Seigniorage Fee 37816.00

Total Cost of Maintenance :- 5640767.97

Total Cost of Project including Five Year Maintenance :- 26015596.32

Total Cost of Project including Five Year Maintenance :-
Rupees Two Crore Sixty Lakh Fifteen Thousand Five Hundred & Ninety Six and Paise Thirty Two Only

Checked By in Words

Signature of Engineer with seal

Executed By
Rural Work Department
Work, Div. Lakhisarai
Work n

S. E. Letter No. 721 Dt. 11-05-2023
Construction Cost Rs. 20374828.35
5 yrs. Maintenance Cost Rs. 5640767.37
Total Cost Rs. 26015596.32
BOQ Approved For Rs. 26015600.00
(Rupees Two Crore Sixty lakh Fifteen
thousand Six hundred only)
Including 5 yrs Maintenance Vide
S. E. no. 01 Dt. 10-38


Superintending Engineer
Rural Works Department

Assistant Engineer
Circle, Munger

SL No.	Description of work	No. of 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 201.1 and direction of E/I	2.44	Hect	75573.34	Rupees: Seventy Five Thousand Five Hundred & Seventy Three, and Paise Thirty Four Only	184366.00
2	Scarifying the existing bituminous road surface to a depth of 150 mm and disposal of scarified material with a lift upto 3 m and lead upto 1000 m as per Technical Specification Clause 301.4	1031.25	Sqm	20.58	Rupees: Twenty and Paise Fifty Eight Only	21273.00
3	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 Table 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	2475.00	Cum	259.20	Rupees: Two Hundred & Fifty Nine, and Paise Twenty Only	641520.00
4	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	3903.55	Cum	262.74	Rupees: Two Hundred & Sixty Two, and Paise Seventy Four Only	1025621.00
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	617.40	Cum	1693.03	Rupees: One Thousand Six Hundred & Ninety Three, and Paise Three Only	1045429.00
6	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 interspaces of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	388.55	Cum	3547.29	Rupees: Three Thousand Five Hundred & Forty Seven, and Paise Twenty Nine Only	1378690.00
7	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 interspaces of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	457.25	Cum	3581.67	Rupees: Three Thousand One Hundred & Eighty One, and Paise Sixty Seven Only	1686635.00
8	Prime Coat :- Providing and applying primer coat with Bitumen emulsion (55-1) on prepared surface of granular base including clearing 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	6230.00	Sqm	59.85	Rupees: Fifty Nine and Paise Eighty Five Only	372860.00

Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai

			Excess (+)			
SCHEDULE OF WORKS						
Description of work	No. of Qty	Unit	Estimated Rate		AMT/INT No. P	
			Figure	Words		
Finish work over 20mm using M/s seal surface for bituminous and Existing CC Pavement Providing, laying and rolling of dense graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.5 mm (Type-A) or 13.2 mm to 0.5 mm (Type-B) aggregates using penetrative grade binder 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 5-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509	6230.00	Sqm	385.65	Rupees Two Hundred & Eighty and Paise Fifty Four Only	1148450.00	
10 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 sealed with hydraulic brown as per technical specification clause 512	21061.20	Sqm	25.54	Rupees Twenty and Paise Fifty Four Only	536835.00	
11 Semi-Dense Bituminous Concrete - Providing and laying semi-dense bituminous concrete with 100/120 TDS 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 power 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 MORTN specification clause No. 505 complete in all respects	100.00	Cum	13751.58	Rupees Thirteen Thousand Seven Hundred & One and Paise Fifty Six Only	7136635.00	
12 Dry Layer 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 505-1 cement content not to be less than 100kg/m ³ optimum moisture content to be determined during trial length construction, compressive strength not be less than 15 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 (1:2:25 M. 15)	32.50	Cum	6015.20	Rupees Six Thousand Six Hundred & Fifteen and Paise Twenty Three Only	148535.00	

Excess (+)

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
5. 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 20 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 jacking and facing of 125 micron thick plythene film wedges, steel plates including leveling 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.	388.54	Cum	6107.24	Rupees Eight Thousand One Hundred & Seven and Paise Twenty Four Only	3231870.00
14. Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and printing, etc as per drawing and technical specification clause 1703. 5th km stone	1.00	Each	5741.75	Rupees Five Thousand Seven Hundred & Forty One and Paise Seventy Six Only	5742.00
15. Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and printing, etc as per drawing and technical specification clause 1703. 1km stone	7.00	Each	2882.50	Rupees Two Thousand Eight Hundred & Eighty Two and Paise Fifty Nine Only	20178.00
16. Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC 8 lying in position including painting and printing, etc as per drawing and technical specification clause 1703. 200 m stone	24.00	Each	621.91	Rupees Eight Hundred & Thirty One and Paise Ninety One Only	19968.00
17. Direction and Place Identification sign with size more than 0.9 sqm size board - Retro-reflectised Traffic Sign 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 extending 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 M15 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.	1.00	Sqm	15003.18	Rupees Fifteen Thousand & Three and Paise Nineteen Only	29806.00
18. Providing and fixing of retro-reflectised 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 501 (600 mm equivalent & triangle)	30.00	Each	4442.47	Rupees Four Thousand Four Hundred & Forty Two and Paise Forty Seven Only	133274.00

Copied from
Signature of Tenderer with seal

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

				Excess (+)	%
SCHEDULE OF WORKS					
Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminum 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 (500 mm circular)	12.00	Each	4315.48	Rupees - Four Thousand Three Hundred & Fifteen and Paise Forty Nine Only	51785.00
20 Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminum 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	4170.88	Rupees - Four Thousand One Hundred & Seventy and Paise Ninety Six Only	33368.00
21 Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminum 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)	15.00	Each	6640.32	Rupees - Eight Thousand Six Hundred & Forty and Paise Thirty Two Only	99605.00
22 Boundary Pillar/Guard Post - Reinforced concrete M15 grade boundary pillar/octal 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	125.00	Each	805.43	Rupees - Eight Hundred & Five and Paise Forty Three Only	96682.00
23 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	250.00	m height per	5.75	Rupees - and Paise Seventy Six Only	1437.50
24 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	275.00	Each	1288.76	Rupees - One Thousand Two Hundred & Eighty Eight and Paise Seventy Six Only	354409.00
25 Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting 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.	1100.00	Sqm	885.46	Rupees - Eight Hundred & Eighty Six and Paise Forty Six Only	974006.00

Signature of Tenderer with seal

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

Excess (+)

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Concrete Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing 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.	120.80	Sqm	994.50	Rupees Nine Hundred & Ninety Four and Paise Sixty Only	120149.00
27 (iv) Providing and Fixing 'Logo' of Maintenance Project - Providing and fixing of typical informative sign board with Logo as per MORD specifications and marking. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 6mm size on both top 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 enamelled on both sides. Lettering and printing, angles, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of painted posts and steel tube will be primed with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	3.00	Each	11565.00	Rupees Eleven Thousand Five Hundred & Eighty Nine Only	34757.00
28 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of slumps and other deleterious material and disposal upto a head of 50 m, dressing of sides and bottom, and backfilling in trenches with excavated suitable material.	217.05	Cum	388.52	Rupees Three Hundred & Eighty Eight and Paise Sixty Two Only	86620.00
29 Providing M15 (1:2:5) as levelling course in foundation - Providing RCC M 15 (1:2:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	78.58	Cum	6515.33	Rupees Six Thousand Six Hundred & Fifteen and Paise Twenty Three Only	510625.00
30 Providing RCC M 20 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	144.00	Cum	7729.29	Rupees Seven Thousand Seven Hundred & Twenty Nine and Paise Twenty Nine Only	1113018.00
31 Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications.	197.26	Sqm	187.26	Rupees One Hundred & Ninety Seven and Paise Twenty Six Only	31614.00
32 Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 805, 806 and 1206.4	23.04	Cum	8345.11	Rupees Six Thousand Three Hundred & Forty Six and Paise Eleven Only	140214.00
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 1701	191.04	Sqm	136.22	Rupees One Hundred & Thirty Six and Paise Twenty Two Only	26023.00
34 Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108.	2.00	Cum	571.67	Rupees Five Hundred & Seventy One and Paise Sixty Seven Only	1155.00

Signature of Tenderer with seal

Executive Engineer,
Rural Work, Department
Works, Dist. Lakhisarai

km Civil Works/

Description of work	SCHEDULE OF WORKS		Excess (+)		%	AMOUNT Rs. P
	No. or Qty	Unit	Figure	Words		
Plain Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specifications Clauses 802, 804, 805, 806, 807, 1202 and 1204	35.18	Cum	7655.03	Rupees Seven Thousand Six Hundred & Fifty Six and Paise Three Only		292154.00
Providing Bitumen painting over top surface of Subment cap & inner vertical surface of Dnt Wall including Heating the bitumen & cost of painting brush etc. all complete	15.00	Sqm	20.34	Rupees Twenty and Paise Fifty Four Only		308.00
BCC 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	8311.51	Rupees Eight Thousand Three Hundred & Eleven and Paise Fifty One Only		66575.00
Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawings and technical specifications	1.16	MT	82085.51	Rupees Eighty Two Thousand & Eighty Five and Paise Fifty One Only		95219.00
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	55.61	Rupees Fifty Five and Paise Sixty One Only		834.00
Providing Vitrified pipes 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	163.00	No	191.77	Rupees One Hundred & Ninety One and Paise Seventy Seven Only		31255.00
Cost of Construction :-						23349729.00
Add 18% GST						4202951.22
Add 1% Labour Cess						233497.29
Seigniorage Fee						339718.00
Total Cost of Construction :-						28125895.51
Five Year Maintenance cost	35.000	Quarry	354220.05	Rupees Three Lakh Fifty Four Thousand Two Hundred & Twenty Nine and Paise Five Only		7084581.00
Cost of Maintenance :-						7084581.00
Add 18% GST						1275224.58
Add 1% Labour Cess						70845.81
Seigniorage Fee						51857.00
Total Cost of Maintenance :-						8482508.39
Total Cost of Project Including Five Year Maintenance :-						36608403.90
Rupees Three Crore Sixty Six Lakh Eight Thousand Four Hundred & Three and Paise Ninety Only						

Executive Engineer
Rural Work Department
Work, Div, Lakhisarai

Executive Engineer
Rural Work Department
Work, Div, Lakhisarai

E. Letter No. 721 Dt. 11.05.2023
Construction Cost Rs. 28125835.51
5 yrs. Maintenance Cost Rs. 8482508.39
Total Cost Rs. 36608403.90
BOQ Approved For Rs. 36608400.00
(Rupees Three crore sixty six lakh
eight thousand four hundred only)
Including 5 yrs Maintenance Vide
item no. 01 to 41


Superintending Engineer
Rural Works Department
Munger Circle, Munger


OFFICE OF THE EXECUTIVE ENGINEER
R. W.D.(W)DIVISION, LAKHISARAI

Letter no. 1495

Lakhisarai, Date 1/9/23

From,

Executive Engineer
Rural Work Department,
Works Division, Lakhisarai

To

Shri Gopal Kumar
Vill.+PO.- Walipur, PS.- Pipariya
Dist. Lakhisarai

Sub :-

Letter for acceptance for Const. of Road Form MR-N/23-24 Lakhisarai/04.

Ref. no. :-

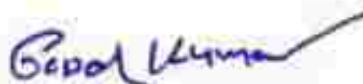
Chief Engineer -2, RWD, Bihar, Patna .Letter No.- 2494, Dated- 11.08.2023

Dear Sir,

This is notify you that the Employer, namely Executive Engineer, R.W.D. (W) Division, Lakhisarai cum PIU BRRDA has accepted your Bid dated 19.05.2023 for execution of the Const. of Road Form **MR-N/23-24 Lakhisarai/04** and routine maintenance of the works for five years for the Contract Price of Rupees 6,18,66,610 /- (Rs. Six Crore Eighteen Lakh Sixty Six Thousand Six Hundred Ten) only as corrected and modified in accordance with the instructions to Bidders is hereby accepted.

You are hereby requested to furnish Performance Security, (and additional security for unbalanced bids in terms of ITB Clause 27.3 and clause 27.4) [where applicable] in the form detailed in Cl. 32 of ITB for Performance Security an amount of Rs 20,62,500/- (Rupees- Twenty Lakh Sixty Two Thousand Five Hundred) and additional Performance Security Rs. 23,20,000/- (Rupees- Twenty Three Lakh Twenty Thousand) only within 10 days of the receipt of this letter of acceptance valid up to 15 days from the date of expiry of Defects Liability Period i.e. up to..... and sign the contract, failing which action as stated in Cl.32.3 of ITB will be taken. "If the performance Security is in the form of a Bank Guarantee, the period of validity of Bank Guarantee could be one year initially, however, the Contractor would get this Bank Guarantee extended in such a way that an amount equal to requisite performance security is always available with employer until 15 days after the lapse of Defect liability period."

Yours faithfully,



Letter of Acceptance


Executive Engineer
R.W.D.(W)Division,
Lakhisarai

Paksh
9.9.23

**मुख्य अभियंता-2 का कार्यालय
ग्रामीण कार्य विभाग, पटना।**

पत्रांक-
प्रेषक,

/पटना, दिनांक-

होत श्रीप्रसाद
मुख्य अभियंता-2

प्राप्त में,

कार्यपालक अभियंता

ग्रामीण कार्य विभाग, कार्य प्रमण्डल, लखीसराय।

विषय: शीर्षक MR-3054 योजनासमर्पित कार्य प्रमण्डल, लखीसराय की अधीन पैकेज संख्या-MR-N/23-24/Lakhisarai/04 (Tender ID-124966) कार्य की निविदा की स्वीकृति के संबंध में।

माहसय

- विभागीय पत्रांक गु0अ0-4(पु0)-निविदा-04-406/2023-4857अनु0, दिनांक-08.09.2023 द्वारा संबंधित आदेश के अनुपालन में उपर्युक्त विषय के संबंध में बिहार लोक निर्माण विभाग सचिवालय के संज्ञिका-163 को आन्दोलन में द्वारा कार्य को इसको योग्य एवं सफल निविदाकार Gopal Kumar (बीड आईडी-543429) को इसके द्वारा निविदित दर, जो परिमाण विपत्र की दर से 10.00 (दस दशमशतक शून्य प्रतिशत) कम है, को स्वीकृत करते हुए सम्पूर्ण कार्य कुल 6,18,66,610/- (छ: करोड़ अठारह लाख छियासठ हजार छ: सौ दस) रुपये मात्र की लागत पर अपनी अनुमति एवं कार्यक्षिति में आरंभित किया जाता है।
1. निविदा की स्वीकृति सिर्फ इसी कार्य के लिए है, जो भविष्य में पूर्वाधार नहीं होगा।
 2. सर्वेदक के द्वारा एकतराफा के लिए जगह की नई राशि एवं निविदा के साथ जमा किये गये सम्पत्ति एनएएससी0/Fixed Deposit/BG आदि का संरक्षण सम्पत्ति बांधकाम/रैंक से करकर प्रमण्डल कार्यक्षेत्र में अभिलेखित किया जायेगा। कार्यपालक अभियंता, कार्य प्रमण्डल, लखीसराय कार्यक्षेत्र निर्मित करने की पूर्व आग्रह की राशि के संरक्षण में सम्पत्ति कागजात अग्रहणकारी को समस्त कराया जाना सुनिश्चित करेंगे।
 3. एकतराफा के पूर्व निविदा सूचना के अनुसार सभी प्राप्ति कागजातों की अद्यतन सूची एवं कार्यक्षिति प्रति निविदा के साथ जमा किया जायेगा।
 4. एकतराफा से पूर्व कार्यपालक अभियंता यह सुनिश्चित कर लेंगे कि निविदाकार बिहार सूची/काली सूची या कार्य लंबित सूची में शामिल न हो।
 5. कार्य में व्यवहृत सामग्रियों का दर प्राकटन में स्वीकृत लीड के अन्तर्गत पर दिया गया है, कार्य करने समय जगह इसमें कमी पाई जाती है तो उसके दर में समायोजन कर दी जायेगी।
 6. इस कार्य के संबंध में ग्रामीण कार्य विभाग, बिहार सरकार द्वारा निर्मित प्रशासनिक स्वीकृति एवं प्राथमिक स्वीकृति तथा निविदा आमंत्रण सूचना में उल्लेखित कार्य एकतराफा का भाग होगा, जिसे विशेष कार्य में जोड़कर सर्वेदक के साथ एकतराफा किया जायेगा।
 7. अनुमोदित किये गये तुलनात्मक विवरणों के प्रत्येक बिन्दु की जाँच अपने स्वयं के खर्च पर करें एवं जुटे पाये जाने की स्थिति में तत्पश्चात् तत्काल अग्रहणकारी को अग्रत करायेंगे। जुटे के सुधारपरमण एकतराफा की कार्यवाई की जायेगी।
 8. एकतराफा के समय प्रत्येक मद के भाग की शुद्धता की जाँच कार्यपालक अभियंता स्वयं कर लेंगे एवं यह सुनिश्चित करेंगे कि इसमें कोई त्रुटि न हो।
 9. कार्यक्षेत्र के पूर्व कार्यपालक अभियंता कार्य स्थल के निरीक्षणपरमण स्थल की स्थिति एवं प्राकटन में किये गये उपर्युक्त से पूरी तरह अवगत हो लेंगे एवं प्रशासनिक स्वीकृति तथा प्राथमिक स्वीकृति के अग्रसारण प्राप्त में किये गये निर्देश का अनुपालन सुनिश्चित करायेंगे। प्रत्येक का नाम, परिमाण विपत्र की राशि, तकनीकी स्वीकृति की राशि, प्रशासनिक स्वीकृति की राशि, सर्वेदक द्वारा सङ्गत दर, परकर्मित दर, Bid Capacity आदि का मिलान कर लें कार्य आरंभित आदेश निर्मित करने। कार्यपालक अभियंता कार्य आरंभित/LOA निर्मित करने से पूर्व मिलान कर लेंगे कि परिमाण विपत्र की राशि प्रशासनिक अनुमोदन की राशि के अनुक्रम सीमा के अन्दर है। यदि अनुक्रम सीमा से अधिक हो तो एकतराफा के पूर्व पुनरीक्षित प्रशासनिक अनुमोदन प्राप्त कर लिया जाय।
 10. कार्यक्षेत्र निर्मित करने से पहले सम्पत्ति सर्वेदक से एकतराफा जगहों के अन्दर कार्य सम्पन्न करने हेतु मासिक कार्य प्रोग्राम हस्ताक्षरित करकर प्राप्त कर लेंगे जो की एकतराफा का भाग होगा।

Gopal Kumar

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

12. अधीक्षण अभियंता एवं कार्यपालक अभियंता विशेष रूप से ध्यान देंगे कि कार्य मानक विधिस्थितियों को अनुसूच निर्धारित कार्य अवधि के अंदर पूरा की जायेगी।
13. कार्य समाप्ति की अवधि निर्दिष्ट आमंत्रण सूचना के अनुसार होगी।
14. इस कार्य का कार्य शीर्ष MAR-3054 योजनान्तर्गत से मिलने वाले राशि अन्तर्गत उपयुक्त राशि से दिशित होगा।
15. कार्य का प्रगति प्रतिवेदन प्रत्येक महीने की सातवीं तारीख तक निश्चित रूप से इस कार्यालय को समर्पित की जाय।
16. सभी निर्दिष्ट कामजात एवं तुलनात्मक विवरणी की मूल प्रति आवश्यक कार्रवाई हेतु सीटाई जाती है। साथ निर्दिष्ट कामजातों एवं तुलनात्मक विवरणी के जांचोपरान्त आप आवश्यक निर्देशों को अपने स्तर से निर्गत करेंगे।
17. एकरारनामा से पहले निर्दिष्टताओं द्वारा दिये गये कामजात का स्थापन उनके मूल कामजात से मिलान कर लेंगे। कार्यपालक अभियंता, प्राचीन कार्य विभाग, कार्य प्रबंधन, लक्ष्मीसाराय तुलनात्मक विवरणी को एक अभिप्रायित प्रति अधीक्षण अभियंता, प्राचीन कार्य विभाग, कार्य अंचल, मुंबई को अनिलेख हेतु उपलब्ध करा देंगे। निर्देश दिया जाता है कि संवेदक से कार्य प्रोद्योग प्राप्त कर लेंगे तथा उनका कार्यक्षमता कुशलता एवं पूर्व से आवंटित कार्यों की प्रगति से संतुष्ट हो लें।
18. इस निर्दिष्ट की राशि में अगर कोई अंतर होता है तो इसकी सूचना तुरन्त इस कार्यालय को दी जाय।
19. कार्यपालक अभियंता, एकरारनामा करने के पूर्व संवेदक का निश्चय संख्या, पूर्ण पता एवं दूरभाष संख्या कार्यक्षेत्र में अंकित करेंगे तथा इस कार्यालय को सूचित करेंगे।
20. परिणाम विपत्र की दर से कम दर उद्भूत करने वाले संवेदक से विभाग द्वारा पूर्व में निर्गत दिशा निर्देश के आलोक में अतिरिक्त राशित परस्परमेस विवरणी की राशि जमा कराना सुनिश्चित करेंगे।
21. किसी भी परिस्थिति में निजी जमीन पर निर्माण नहीं करवा जाय।
22. प्रत्येक 15 दिनों पर संवेदक से स्वहस्ताक्षरित विपत्र प्राप्त कर जबल से मिलान कर भावी पुस्तिका में भावी दर्जे कर मूलतन सुनिश्चित करेंगे।
23. कार्यपालक अभियंता कार्यावटन आदेश प्राप्त होते ही संवेदक को अविलंब LOA (Letter of Acceptance) निर्गत करेंगे एवं MBD की ITB की कविका 34.1 में निहित प्रावधान के आलोक में निर्धारित 21 दिनों के अन्दर एकरारनामा की कार्रवाई सुनिश्चित करेंगे। विशेष परिस्थिति में उक्त निर्धारित अवधि के पश्चात् एकरारनामा करने हेतु Proper Justification उचित माध्यम से समर्पित करेंगे एवं अग्रोहरतादारी के अनुमति के उपरान्त ही एकरारनामा करेंगे।
24. विभागीय पत्रांक-मु0अ0-4 (मु0) विविध-23-201/2014-131, दिनांक 13.12.2010 के आलोक में पत्र प्राप्ति के 24 घंटे के भीतर Letter of Acceptance (LOA) संबंधित संवेदक को निर्गत करेंगे।

कृपया पत्र प्रान्ति की सुचना देंगे।

अनुद-दसा उपयुक्ता ।

विश्वसभाजन

四、

सुख्य अभिधत्ता-२

आपका- १४३५ /
आपका-

DATE FILED - 11-09-23

1. अभिलेख प्रमुखा, राष्ट्रीय कार्य विभाग, पटना को सूचनाई सौंपित।
2. अधीक्षण अभिलेखा, राष्ट्रीय कार्य विभाग, लखनऊ अंतर्गत, मुंबई को सूचनाई एवं आवश्यक कार्यवाई ला प्रेषित।
3. सहायक आईटीओ मैनेजर को सूचनाई एवं संबंधित अधीक्षण अभिलेखा/कार्यपालक अभिलेखा को ई-मेल आईटीओ पर अपलोड करने हेतु प्रेषित।

संशोधन-2

Gopal Kumar

Executive Engineer
Rural Work, Department
Work, Div. Lakhisarai