



बिहार BIHAR ...3369... तिथि 26-12-22... 1000 शीट नं. 10
 रस्ता का नाम एवं पता Ramgarh Chok, Lakhisarai, Bihar

AM 922399

अनादन प्रसाद, मद्रांक इंजीनियर
 OFFICE OF THE EXECUTIVE ENGINEER
 RURAL WORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI

AGREEMENT NO:- 29 /MBD/2022-23

This agreement, made the 21 December Day of 2022 between Executive Engineer, RWD, Works Division, Lakhisarai, Govt. of Bihar Patna and S.B. Engicom Pvt. Ltd. Rd no.-04 South of Sudha dairy rd. Saguna Patna.

Whereas the Employer is desirous that the Contractor execute output and performance based Rural Road Contract of the maintenance of road from MR-N/22-23/Lakhisarai/03 Package Under of Block in Ramgarh Chowk, 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. 3,78,63,604.00 (Three Crore Seventy Eight Lakh Sixty Three Thousand Six Hundred Four) only & five year Maintenance cost Rs. 54,10,442.00 (Fifty Four Lakh Ten Thousand Four Hundred Forty Two) only.

Sl. No.	Name of Road	Const. Cost	Maintenan ce cost	Agreement Value
1	PMGSY Road to Babhan Tola Satsanda	23,38,820	6,06,241	29,45,061
2	Lakhisarai Sheikhpura Road To Nadiyawan	1,83,40,418	26,20,255	2,09,60,673


 Executive Engineer
 Rural Work Department
 Work, Div, Lakhisarai

21.12.22

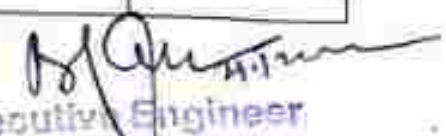
**OFFICE OF THE EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI**

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Executive Engineer
Rural Work Department
Work, Div, Lakhisarai

Rakshit
21/12/22

3	Lakhsarai Sheikhpura Path To Billo Dakshin Tola pir par	83,56,871	8,85,427	92,42,298
4	Amhara Jhukhar Path To Kishunpur Village	88,27,495	12,98,519	1,01,26,014
Total		3,78,63,604	54,10,442	4,32,74,046

Total Cost Rs. 4,32,74,046.00.00 (Four Crore Thirty Two Lakh Seventy Four Thousand Forty Six) only

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
 - a. Latter of Acceptance
 - b. Contractor's Bid
 - c. Section VI-General Conditions
 - d. Section VII- Particular Condition
 - e. Section V - Technical Specification (General and Supplementary Technical Specification
 - f. Appendix A - Drawings
 - g. Section IV - Works Schedule
 - h. Quality plan for output and performance based road contract as per clause A14.1 of the technical specifications
 - i. Appendices of the contract
 - j. Addenda issued during bid period
 - k. 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


Executive Engineer
 Rural Work Department
 Work, Div. Lakhsarai
Rakshin
21/12/22

Model Bidding Document

Procurement
Of
Civil Works



For All Works Department


Executive Engineer
All Works Department
Work, Div, Lakhisarai
Rakshit
31.12.22

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

AGREEMENT NO:-29/MBD/2022-23

NAME OF WORK: - MR-N/22-23/Lakhisarai/03 Package Under of Block in Ramgarh Chowk, Lakhisarai, Under M/R in Lakhisarai District.

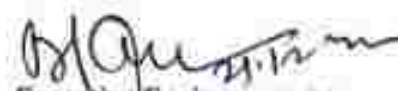
NAME OF AGENCY: - S.B. Engicom Pvt. Ltd., Rd no.-04
South of Sudha dairy rd. Saguna Patna.

Reference :- Chief Engineer -4
R.W.D works Bihar, Patna
Vide Letter No. 2401 Date :- 14.11.22

AGREEMENT AMOUNT – Main work:- 3,78,63,604.00
Maintenance work:- 54,10,442.00
Total Amount: - 4,32,74,046.00

Performance Security :- Deposited @ 5% Next 5 % deducted from Bill
Date of Completion :- 21 December 2022
Date of Agreement :- 20 September 2023
No. of Item of Work :- As per B.O.Q (Nos)
Rate Quoted :- 15.55 % below (One Five Point Five Five percent below)

Contractor Signature


Executive Engineer
RWD, Works Division, Lakhisarai
Work, Div, Lakhisarai
31.12.22

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

पत्रांक-
प्रेषक-

7/पटना, दिनांक

ई0 अमरेंद्र कुमार सिन्हा
मुख्य अभियंता-2

सेवा में

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, लखीसराय।

विषय: शीर्ष MR-3054 योजनान्तर्गत कार्य प्रमण्डल, लखीसराय के अधीन बैंकेंज संख्या-MR-N/22-23
Lakhisarai/03 (Tender ID-118457) कार्य की निविदा की स्वीकृति के संबंध में।

महोदय,

विभागीय पत्रांक-गु0अ0-4(गु0)-निविदा-04-29 पार IV/2022-2401 अनु0, दिनांक-
14.11.2022 द्वारा संशुचित आदेश के अनुपालन में उपर्युक्त विषयक कार्य बिहार लोक निर्माण संस्थान के
कडिका-163 के आलोक में इस कार्य को इसके योग्य एवं सफल न्यूनतम दरदाता S B Engicon Private
Limited (BID ID-510446) को उनके द्वारा निविदित दर जो परिमाण विषय की दर से 15.55 (पन्द्रह
दशमलव पांच-पांच) प्रतिशत कम है, को स्वीकृत करते हुए सम्पूर्ण कार्य कुल ₹ 4,32,74,046/- (चार
करोड़ बत्तीस लाख चौहतर हजार छियालीस) रुपये मात्र की लागत पर आपकी अनुमति एवं कार्यरत
में आवंटित किया जाता है।

2. निविदा की स्वीकृति सिर्फ इसी कार्य के लिए है, जो भविष्य में पूर्वाधारण नहीं होगा।
3. संवेदक के द्वारा एकरारनामा के लिए जमा की गई राशि एवं निविदा के साथ जमा किये गये सर्वाधिक
एन0एस0सी0/Fixed Deposit आदि का सत्यापन संबंधित डिपॉजिटर/बैंक से कराकर प्रमंडलीय
कार्यालय में अभिलेखित किया जायेगा। कार्यपालक अभियंता, कार्य प्रमंडल, लखीसराय कार्यदेश
निर्गत करने के पूर्व अध्वन की राशि के सत्यापन से संबंधित कगजात अधोहस्ताक्षरी को उपलब्ध
कराया जाना सुनिश्चित करेंगे।
4. एकरारनामा के पूर्व निविदा सूचना के अनुसार सभी बाधित कगजातों की अद्यतन सूच्य एवं सत्यापित
प्रति निश्चित रूप से प्राप्त कर लिया जायेगा।
5. एकरारनामा से पूर्व कार्यपालक अभियंता यह सुनिश्चित कर लेंगे कि निविदाकार डिपार सूची/काली
सूची या कार्य लंबित सूची में शामिल न हो।
6. कार्य में व्यवहृत सामग्रियों का दर प्राक्कलन में स्वीकृत लीड के आधार पर दिया गया है, कार्य कराने
समय अगर इसमें कमी पाई जाती है तो उसके दर में तापेक्ष कमी कर दी जायेगी।
7. इस कार्य के संबंध में ग्रामीण कार्य विभाग, बिहार सरकार द्वारा निर्मित प्रशासनिक स्वीकृति एवं प्राथमिक
स्वीकृति तथा निविदा आमंत्रण सूचना में उल्लिखित शर्त एकरारनामा का भाग होगा, जिसे विशेष शर्त न
जोड़कर संवेदक के साथ एकरारनामा किया जायेगा।
8. अनुमोदित किये गये तुलनात्मक विवरणों के प्रत्येक बिन्दु की जाँच अपने स्तर से स्वयं कर लेंगे एवं त्रुटि
पाये जाने की स्थिति में वस्तुस्थिति से साक्ष्य अधोहस्ताक्षरी को अवगत करावेंगे। त्रुटि के सुधारोपरान्त
एकरारनामा की कार्यवाई की जायेगी।
9. एकरारनामा के समय प्रत्येक मद के भाषा की शुद्धता की जाँच कार्यपालक अभियंता स्वयं कर लेंगे एवं
यह सुनिश्चित करेंगे कि इसमें कोई त्रुटि न हो।
10. कार्यरत के पूर्व कार्यपालक अभियंता कार्य स्थल के निरीक्षणोपरान्त स्थल की स्थिति एवं प्राक्कलन में
किये गये उपग्रह से पूरी तरह जाश्वस्त हो लेंगे एवं प्रशासनिक स्वीकृति तथा प्राथमिक स्वीकृति के
अग्रसारण प्रारूप में दिये गये निर्देश का अनुपालन सुनिश्चित करावेंगे। यह का नाम, परिमाण विषय की
राशि, तकनीकी स्वीकृति की राशि, प्रशासनिक स्वीकृति की राशि, संवेदक द्वारा उद्धृत दर, परवर्तित दर
Bid Capacity आदि का मिलान कर ही कार्य आवंटन आदेश निर्गत करेंगे। अधीक्षण
अभियंता/कार्यपालक अभियंता कार्य आवंटन/LOA निर्गत करने से पूर्व मिलान कर लेंगे कि
परिमाण विषय की राशि प्रशासनिक अनुमोदन की राशि के अनुव्यय सीमा के अन्दर है। यदि अनुव्यय
सीमा से अधिक हो तो एकरारनामा के पूर्व पुनरीक्षित प्रशासनिक अनुमोदन प्राप्त कर लिया जाय।

11. कार्यादेश निर्गत करने से पहले संबंधित संवेदक से एकरारनामा अवधि के अन्दर कार्य समाप्त करने हेतु मौखिक कार्य प्रोग्राम स्वतःकारित करवाकर प्राप्त कर लेंगे जो की एकरारनामा का भाग होगा।
12. अधीक्षण अभियंता एवं कार्यपालक अभियंता विशेष रूप से ध्यान देंगे कि कार्य मानक विशिष्टियों के अनुसार निर्धारित कार्य अवधि के अंदर पूरा की जायेगी।
13. कार्य समाप्ति की अवधि निविदा आमंत्रण सूचना के अनुसार होगी।
14. इस कार्य का कार्य शीर्ष MAR-3054 योजनान्तर्गत से मिलने वाले राशि अन्तर्गत उपबंधित राशि से विकसित होगा।
15. कार्य का प्रगति प्रतिवेदन प्रत्येक महीने की सातवी तारीख तक निश्चित रूप से इस कार्यालय को सन्निहित की जाय।
16. सभी निविदा कागजात एवं तुलनात्मक विवरणों की मूल प्रति आवश्यक कार्रवाई हेतु लौटाई जाती है। आप निविदा कागजातों एवं तुलनात्मक विवरणों के जांचोपरांत आप आवश्यक निर्देशों को अपने स्तर से निर्गत करेंगे।
17. एकरारनामा से पहले निविदाताओं द्वारा दिये गये कागजात का सत्यापन उनके मूल कागजात से मिलान कर लेंगे। कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, लखीसराय तुलनात्मक विवरणों की एक अभिप्रमाणित प्रति अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मुंगेर को अगिलेख हेतु उपलब्ध करा देंगे। निर्देश दिया जाता है कि संवेदक से कार्य प्रोग्राम प्राप्त कर लेंगे तथा उनका कार्यक्षमता कुशलता एवं पूर्व से आवंटित कार्यों की प्रगति से संतुष्ट हो लें।
18. इस निविदा 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 निबंधन संख्या, पूर्ण पता एवं दूरभाष संख्या कार्यादेश में अंकित करेंगे तथा इस कार्यालय को सूचित करेंगे।
20. परिमाण विपत्र की दर से कम दर उद्धृत करने वाले संवेदक से विभाग द्वारा पूर्व में निर्गत दिशा निर्देश के आलोक में अतिरिक्त वांछित परफॉरमेंस सिक्यूरिटी की राशि जमा कराना सुनिश्चित करेंगे।
21. किसी भी परिस्थिति में निजी जमीन पर निर्माण नहीं कराया जाय।
22. प्रत्येक 15 दिनों पर संवेदक से स्वतःकारित विपत्र प्राप्त कर स्थल से मिलान कर मापी पुस्तिका में मापी दर्ज कर भुगतान सुनिश्चित करेंगे।
23. कार्यपालक अभियंता कार्यावंटन आदेश प्राप्त होते ही संवेदक को अविलंब LOA (Letter of Acceptance) निर्गत करेंगे एवं MBD की ITB की कड़िका 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 अधोहस्ताक्षरी के अनुमति के उपरान्त ही एकरारनामा करेंगे।

कृपया पत्र प्राप्ति की सूचना देंगे।

अनु०-यथा उपर्युक्त।

विश्वासभाजन

80/-

मुख्य अभियंता-2

ज्ञापांक- 1477 /

/पटना, दिनांक- 18.11.22/22

प्रतिलिपि :

1. अभियंता प्रमुख, ग्रामीण कार्य विभाग, पटना को सूचनार्थ समर्पित।
2. अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मुंगेर को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
3. सहायक आईटीओ मैनेजर को सूचनार्थ एवं संबंधित अधीक्षण अभियंता/कार्यपालक अभियंता के ई-मेल आईटीओ पर अपलोड करने हेतु प्रेषित।


मुख्य अभियंता-2

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, removal of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a load of 1000 including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 303.1 and direction of S/I	0.14	Hect	59726.13	Rupess Fifty Nine Thousand Seven Hundred & Twenty Six and Paise Thirteen Only	8361.66
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 302.1	315.00	Cum	255.56	Rupess Two Hundred & Fifty Three and Paise Fifty Six Only	79871.40
3	Patch work over WBM using M/S seal surface for bituminous and floating 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 penetrative grade bitumen to required film, 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 506.	150.00	Sqm	215.65	Rupess Two Hundred & Fifty Five and Paise Sixty Five Only	38347.50
4	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 stored with hydra-broom as per technical specification clause 503.	1665.00	Sqm	29.13	Rupess Twenty and Paise Thirteen Only	12116.45
5	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 hydraulic 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 MoRTH specification clause No. 308 complete in all respects.	27.00	Cum	13032.70	Rupess Thirteen Thousand & Thirty Two and Paise Seventy Eight Only	493681.71
6	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]	1.49	Cum	5872.57	Rupess Five Thousand Eight Hundred & Seventy Seven and Paise Fifty Seven Only	9935.99
7	Cement Concrete Pavement :- Construction of an 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 0.7cum capacity and appropriate weigh batcher using approved mix design laid in approved fixed side formwork [steel channel] laying and fixing of 125 mm 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 delubing 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.	161.80	Cum	7286.71	Rupess Seven Thousand Two Hundred & Eighty Six and Paise Seventy One Only	1314723.86
8	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC-8 facing in position including painting and printing, etc as per drawing and technical specification clause 1703, Ban stone	1.80	Each	2535.16	Rupess Two Thousand Five Hundred & Thirty Five and Paise Sixteen Only	2535.16

Signature of Tenderer with seal

Signature of Engineer in Charge RWD Patna
Work Dis. Lakshmi

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
9	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 in stone	4.00	Each	737.39	Rupees Seven Hundred & Thirty Seven and Paise Thirty Nine Only	2949.56
10	Direction and Place Identification signs with size more than 4.9 sqm size board - Retro-reflective Traffic Signs Providing and erecting direction and place identification retro-reflective signs as per IRC-67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with size exceeding 0.9 sqm supported on mild steel angle iron post 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	14710.81	Rupees Fourteen Thousand Seven Hundred & Thirty and Paise Eighty One Only	28283.16
11	Providing and fixing of retro-reflective 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 (400 mm equilateral & triangle)	4.00	Each	4275.41	Rupees Four Thousand Two Hundred & Seventy Five and Paise Forty One Only	17101.64
12	Providing and fixing of retro-reflective 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)	3.00	Each	4177.49	Rupees Four Thousand One Hundred & Seventy Seven and Paise Forty Nine Only	20887.45
13	Providing and fixing of retro-reflective 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 (450 mm x 450 mm rectangular)	3.00	Each	4033.75	Rupees Four Thousand & Thirty Three and Paise Seventy Five Only	12101.25
14	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	8.00	Each	716.75	Rupees Seven Hundred & Sixteen and Paise Seventy Five Only	5734.00
15	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	0.62	Rupees and Paise Sixty Two Only	218.24
16	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	20.00	Each	1082.53	Rupees One Thousand & Eighty Two and Paise Fifty Three Only	21650.60
17	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 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.	60.00	Sqm	923.74	Rupees Eight Hundred & Twenty Three and Paise Seventy Four Only	60999.20
18	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.	60.00	Sqm	925.46	Rupees Nine Hundred & Twenty Five and Paise Forty Six Only	55527.60

Signature of Tenderer with seal

Executive Engineer
Road Work Department
Patna

				Excess (+)	%
SCHEDULE OF WORKS					
Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
19. (i) Preparing and Fixing 'Logo' of Maintenance Project:- Providing and fixing of typical information 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 3mm. 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 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	10623.28	Rupees Ten Thousand Six Hundred & Twenty Three and Paise Twenty Eight Only	10623.28
20. Earthwork in excavation for structures as per drawing and technical specifications Clause 303.3 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.	20.25	Cum	314.41	Rupees Three Hundred & Fourteen and Paise Forty One Only	9194.49
21. 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	3.00	Cum	5877.37	Rupees Five Thousand Eight Hundred & Seventy Seven and Paise Fifty Seven Only	17632.71
22. Plain/Reinforced cement concrete (PCC/M-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 803, 806, 807, 1202 and 1104	24.60	Cum	6774.34	Rupees Six Thousand Seven Hundred & Seventy Four and Paise Thirty Four Only	166648.76
23. 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 drainage	15.00	No.	130.43	Rupees One Hundred & Thirty and Paise Forty Three Only	1956.45
Cost of Construction :-					2427581.24
Add 12% GST					291309.75
Add 1% Labour Cess					24275.81
Seigniorage Fee					26307.00
Total Cost of Construction :-					2769473.80
24. Five Year Maintenance	20.000	Quarterly	31589.18	Rupees Thirty One Thousand Five Hundred & Eighty Nine and Paise Thirty Only	631786.00
Cost of Maintenance :-					631786.00
Add 12% GST					75814.32
Add 1% Labour Cess					6317.86
Seigniorage Fee					3951.00
Total Cost of Maintenance :-					717869.18
Total Cost of Project Including Five Year Maintenance :-					3487342.98
Quoted Rate in Words					
Rupees Thirty Four Lakh Eighty Seven Thousand Three Hundred & Forty Two and Paise Ninety Eight Only					

Chief Engineer, RWD, Patna
Rural Work Department
Work, Div, Lakhisarai

Pakshin
21/12/22

Construction of Road & CD Works for Lakhisarai Sheikhpura Road To Nadiyawan
Chavak Block Under M/R (2054)

For Civil Works

Excess (+)

%

SCHEDULE OF WORKS

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 201.1 and direction of E/I	1.42	Hect	52725.13	Rupees Fifty Nine Thousand Seven Hundred & Twenty Six and Paise Thirteen Only	94811.10
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	1530.00	Cum	250.19	Rupees Two Hundred & Fifty and Paise Nineteen Only	382780.70
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.	2092.50	Cum	253.38	Rupees Two Hundred & Fifty Three and Paise Fifty Six Only	530574.30
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	68.25	Cum	99.69	Rupees Ninety Nine and Paise Sixty Nine Only	6805.94
5. 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 or CMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	361.21	Cum	2047.23	Rupees Two Thousand & Forty Seven and Paise Twenty Three Only	1067817.95
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.	449.29	Cum	2781.12	Rupees Two Thousand Seven Hundred & Eighty One and Paise Twelve Only	1248529.40
7. Prime Coat :- Providing and applying primer coat with Bitumen emulsion (55-1) 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.	5810.47	Sqm	58.18	Rupees Fifty Nine and Paise Eighteen Only	343863.61
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 0.3 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.	5888.57	Sqm	249.27	Rupees Two Hundred & Forty Nine and Paise Twenty Seven Only	1462958.44
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 sealed with hydroloc broom as per technical specification clause 503.	5888.57	Sqm	20.14	Rupees Twenty and Paise Fourteen Only	118193.00

Signature of Tenderer with seal

Authorizing Engineer in Chief RWD Patna
Work, Div. Lakhisarai

				Excess (+)			
SCHEDULE OF WORKS							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
				Figure	Words		
10	Semi-Dense Bituminous Concrete :- Providing and laying semi dense bituminous concrete with 100-120 TPH batch type H&P producing an average output of 70 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. 308 complete in all respects.	208.31	Cum	13173.48	Rupees : Thirteen Thousand One Hundred & Seventy Three and Paise Forty Eight Only	2744167.62	
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.	43.54	Cum	6001.77	Rupees : Six Thousand & One and Paise Seventy Seven Only	261317.07	
12	Cement Concrete Pavement :- Construction of unreinforced cement concrete 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 0.20um capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, jacking and fixing 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, screw 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 finish and grade as per drawing and Technical specification clause 1501.	854.48	Cum	7403.52	Rupees : Seven Thousand Four Hundred & Three and Paise Fifty Two Only	4845455.77	
13	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:11 fixing in position including painting and priming, etc as per drawing and technical specification clause 1703. Km stone	5.00	Each	2555.40	Rupees : Two Thousand Five Hundred & Fifty Five and Paise Forty Only	12777.00	
14	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:11 fixing in position including painting and priming, etc as per drawing and technical specification clause 1703. 200 m stone	14.00	Each	736.23	Rupees : Seven Hundred & Thirty and Paise Twenty Three Only	10223.22	
15	Direction and Place Identification signs with size more than 0.9 sqm size board :- Retro-reflective Traffic Sign:Painting and erecting direction and place identification retro-reflective sign as per IRC:67, made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheathing, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 3 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	14903.24	Rupees : Fourteen Thousand Nine Hundred & Three and Paise Twenty Four Only	28614.22	

Work: Construction of Road & CO Works for Lakhisarai Sheikhpura Road To Nadiyawan
 Higher Chowk Block Under M/R (2054)
 Sheet No: CIVIL WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
12	Providing and fixing of retro-reflectored 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)	18.00	Each	4337.00	Rupees Four Thousand Three Hundred & Thirty Seven Only	78066.00
17	Providing and fixing of retro-reflectored 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)	11.00	Each	4238.11	Rupees Four Thousand Two Hundred & Thirty Eight and Paise Eleven Only	46618.21
18	Providing and fixing of retro-reflectored 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)	4.00	Each	4092.83	Rupees Four Thousand & Ninety Two and Paise Ninety Three Only	16371.72
19	Providing and fixing of retro-reflectored 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)	4.00	Each	8582.11	Rupees Eight Thousand Five Hundred & Eighty Two and Paise Eleven Only	34328.44
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	16.00	Each	710.14	Rupees Seven Hundred & Ten and Paise Fourteen Only	11362.24
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	176.00	height per	0.61	Rupees and Paise Sixty One Only	107.36
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	110.00	Each	1092.53	Rupees One Thousand & Ninety Two and Paise Fifty Three Only	120178.30
23	Road Making with Hot Applied Thermoplastic Compound with Reflectorsing Glass Beads on Bituminous Surface :- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorsing 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 streaks and holes.	440.00	Sqm	823.74	Rupees Eight Hundred & Twenty Three and Paise Seventy Four Only	362445.60

Signature of Tenderer with seal

Work: Div. Lakhisarai



Work: Construction of Road & CD Works for Lakhisarai Sheikhpura Road To Nadiyawan

Project: Chowk Block Under M/R (3054)

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		
24	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.	270.00	Sqm	925.46	Rupees Nine Hundred & Twenty Five and Paise Forty Six Only	249874.20	
25	(i) Providing and Fixing 'Logo' of Maintenance Project :- Providing and fixing of typical informality 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 steel 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, 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	4.00	Each	12400.70	Rupees Twelve Thousand Four Hundred and Paise Seventy Only	49612.80	
26	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing.	624.17	Cum	314.41	Rupees Three Hundred & Fourteen and Paise Forty One Only	196264.66	
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	135.43	Cum	6001.77	Rupees Six Thousand & One and Paise Seventy Seven Only	812619.71	
28	Providing and laying RCC pipe HP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but	15.00	RM	6606.43	Rupees Six Thousand Six Hundred & Eight and Paise Forty Three Only	99126.39	
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	29.76	Sqm	114.40	Rupees One Hundred & Fourteen and Paise Forty Only	3404.54	
30	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108.	62.62	Cum	550.45	Rupees Five Hundred & Fifty and Paise Forty Five Only	31937.11	


 Rakesh Kumar
 01/12/22
 Bihar Water Department
 Work, Div, Lakhisarai

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	Amount
SCHEDULE OF WORKS				Figure	Words
31	Plain/Reinforced cement concrete (PCCM-30) in substructure complete as per drawings and technical specification Clause 802, 804, 805, 806, 807, 1202	301.00	Cum	6891.16	Rupees Six Thousand Eight Hundred & Ninety One and Paise Sixteen Only
32	Providing Blument painting over top surface of Abutment cap & inner vertical surface of D/W Wall including Heating the blument & cost of painting brush	15.00	Sqm	20.14	Rupees Twenty and Paise Fourteen Only
33	RCC M25 in Deck Slab - Providing and laying reinforced cement concrete in superstructure (Deck slab M25) as per drawing and technical specifications	10.26	Cum	7660.80	Rupees Seven Thousand Eight Hundred & Eighty and Paise Sixty Only
34	Supplying, fitting and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications	6.597	MT	76837.18	Rupees Sixty Eight Thousand Eight Hundred & Thirty Seven and Paise Sixteen Only
35	Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 5 per cent bitumen by weight	15.00	RM	45.81	Rupees Forty Five and Paise Eighty One Only
36	Providing Weepholes in brick masonry, Plain / Reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full	45.00	No	132.00	Rupees One Hundred & Thirty One and Paise One Hundred Only
37	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202, Cement Concrete	6.72	Cum	644.44	Rupees Six Hundred & Forty Four and Paise Forty Four Only
38	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202, Reinforced Cement Concrete	88.13	Cum	938.86	Rupees Nine Hundred & Thirty Nine and Paise Fifty Six Only
39	Removing all types of Hume pipes and stacking including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202, Up to 600 mm dia Hume Pipe	10.00	RM	204.04	Rupees Two Hundred & Four and Paise Four Only
40	Providing R.C.C. M20 as coping - Providing PCC / RCC M20 (1:2:4) concrete for plain/reinforced concrete in Abutment cap complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	80.50	Cum	447.24	Rupees Four Hundred & Forty Seven and Paise Twenty Four Only
Cost of Construction :-					18953862.47
Add 12% GST					2274463.50
Add 1% Labour Cess					189538.62
Seigniorage Fee					299622.50
Total Cost of Construction :-					21717487.09
40	Five Year Maintenance	20.000	Quarterly	13661.50	Rupees One Lakh Thirty Six Thousand Six Hundred & Sixty One and Paise Fifty Only
Cost of Maintenance :-					2733230.00
Add 12% GST					327987.60
Add 1% Labour Cess					27332.30
Seigniorage Fee					14180.00
Total Cost of Maintenance :-					3102729.90
Total Cost of Project Including Five Year Maintenance :-					24820216.99
Quoted Rate in Words		#NAME?			

SCHEDULE OF WORKS

Sl. No.	Description of work	No. of 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 150mm in thickness as per technical specification clause 201.1 and direction of EA	0.27	Hect	59726.13	Rupees Fifty Nine Thousand Seven Hundred & Twenty Six and Paise Thirteen Only	16126.06
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	1323.00	Cum	250.18	Rupees Two Hundred & Fifty and Paise Nineteen Only	331001.37
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.	731.25	Cum	253.66	Rupees Two Hundred & Fifty Three and Paise Fifty Six Only	185415.75
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	12.08	Cum	99.69	Rupees Ninety Nine and Paise Sixty Nine Only	1204.26
5	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.	599.55	Cum	1933.18	Rupees One Thousand Nine Hundred & Thirty Three and Paise Eighteen Only	1159038.07
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.	233.44	Cum	2651.92	Rupees Two Thousand Six Hundred & Fifty One and Paise Ninety Two Only	618064.20
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.	2812.50	Sqm	59.17	Rupees Fifty Nine and Paise Seventeen Only	166415.63

At: Clerk Works

Excess (+)

1%

SCHEDULE OF WORKS

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 0.8 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.	2840.63	Sqm	246.91	Rupees Two Hundred & Forty Eight and Paise Ninety One Only	707061.21
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 cleared with hydriloc broom as per technical specification clause 503.	2840.83	Sqm	20.14	Rupees Twenty and Paise Fourteen Only	57210.29
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.	71.01	Cum	13158.53	Rupees Thirteen Thousand One Hundred & Fifty Eight and Paise Fifty Three Only	934387.22
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.	13.50	Cum	5981.30	Rupees Five Thousand Nine Hundred & Eighty One and Paise Thirty Only	80747.55

Signature of Engineer
Rural Work Department
Work, Div, Lakhisarai
Patna 8/12/22

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
12	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, jacking 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.	290.88	Cum	7386.51	Rupees Seven Thousand Three Hundred & Eighty Eight and Paise Fifty One Only	2149169.79
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	2550.07	Rupees Two Thousand Five Hundred & Fifty and Paise Seven Only	5100.14
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	6.00	Each	729.45	Rupees Seven Hundred & Twenty Nine and Paise Forty Five Only	4376.70
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	Sign	14752.24	Rupees Fourteen Thousand Seven Hundred & Fifty Two and Paise Twenty Four Only	28324.30
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 equilateral & triangle)	2.00	Each	4334.40	Rupees Four Thousand Three Hundred & Thirty Four and Paise Forty Only	8668.80

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				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	4235.50	Rupees Four Thousand Two Hundred & Thirty Five and Paise Fifty Only	21177.50
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)	5.00	Each	4090.33	Rupees Four Thousand & Ninety and Paise Thirty Three Only	20451.65
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)	2.00	Each	8579.51	Rupees Eight Thousand Five Hundred & Seventy Nine and Paise Fifty One Only	17159.02
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	60.00	Each	709.63	Rupees Seven Hundred & Nine and Paise Eighty Three Only	56766.40
21	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	60.00	height per	0.61	Rupees and Paise Sixty One Only	48.80
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	38.00	Each	1092.53	Rupees One Thousand & Ninety Two and Paise Fifty Three Only	41516.14
23	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.	150.00	Sqm	823.74	Rupees Eight Hundred & Twenty Three and Paise Seventy Four Only	123561.00

Signature of Tenderer with seal:

Patna, Div. Lakhisarai



For Old Works

			Excess (+)			%
SCHEDULE OF WORKS						
Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
			Figure	Words		
24 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.	120.00	Sqm	925.46	Rupees Nine Hundred & Twenty Five and Paise Forty Six Only	111055.20	
25 (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	2	Each	12395.55	Rupees Twelve Thousand Three Hundred & Ninety Five and Paise Fifty Five Only	24791.10	
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.	198	Cum	314.41	Rupees Three Hundred & Fourteen and Paise Forty One Only	61712.39	
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	138.400	Cum	5981.30	Rupees Five Thousand Nine Hundred & Eighty One and Paise Thirty Only	827811.92	
28 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	53.120	Sqm	114.40	Rupees One Hundred & Fourteen and Paise Forty Only	6076.93	
29 Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108.	2.500	Cum	550.45	Rupees Five Hundred & Fifty and Paise Forty Five Only	1376.13	
30 Plain Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	93.800	Cum	6879.01	Rupees Six Thousand Eight Hundred & Seventy Nine and Paise One Only	643875.34	
31 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.	28.200	Sqm	20.14	Rupees Twenty and Paise Fourteen Only	567.95	

Signature of Tenderer with seal

Executive Engineer
Road & CD 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	
32	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	9.220	Cum	7877.89	Rupees Seven Thousand Eight Hundred & Seventy Seven and Paise Sixty Nine Only	72632.30
33	Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications	2	MT	76937.990	Rupees Seventy six Thousand Nine Hundred & Thirty Seven and Paise Sixty Nine Only	116945.74
34	Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent. bitumen by weight	30	RM	45.71	Rupees Forty Five and Paise Seventy One Only	1371.34
35	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	80	No	131.94	Rupees One Hundred & Thirty One and Paise Ninety Four Only	10555.27
36	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202. (Cement Concrete)	2	Cum	544.44	Rupees Six Hundred & Forty Four and Paise Forty Four Only	966.66
37	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202. (Reinforced Cement Concrete)	3.0	Cum	938.56	Rupees Nine Hundred & Thirty Nine and Paise Fifty Six Only	2816.68
Cost of Construction :-						8616568.78
Add 1% Labour Cess						86165.69
Add 12% GST						1033988.25
SEIGNIORAGE FEE						158921.30
Total Cost of Construction :-						9895644.03
38	5 Year Maintenance	20.000	Quarterly	46247.70	Rupees Forty Six Thousand Two Hundred & Forty Seven and Paise Seventy Only	924954.00
Cost of Maintenance :-						924954.00
Add 1% Labour Cess						9249.54
Add 12% GST						110994.48
SEIGNIORAGE FEE						3264.02
Total Cost of Maintenance :-						1048462.04
Total Cost of Project Including Five Year Maintenance :-						10944106.07
Quoted Rate in Words		Rupees One Crore Nine Lakh Forty Four Thousand One Hundred & Six and Paise Seven Only				

Excess (+)

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
9 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.	118.36	Cum	12983.04	Rupees Twelve Thousand Nine Hundred & Eighty Three and Paise Four Only	1536672.61
10 DLC:- 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 400-1 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.	12.38	Cum	5912.76	Rupees Five Thousand Nine Hundred & Twelve and Paise Seventy Six Only	73170.41
11 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 6.1cum 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 using compound (where specified) and water finishing to lines and grade as per drawing and Technical specification clause 1501.	373.30	Cum	7383.34	Rupees Seven Thousand Three Hundred & Three and Paise Thirty Four Only	2434203.22
12 Reinforced cement concrete M15 grade kilometre local stone of standard design super IRC 8 fixing in position including painting and priming, etc as per drawing and technical specification clause 1703. Km stone	3.00	Each	2531.47	Rupees Two Thousand Five Hundred & Thirty One and Paise Forty Seven Only	7594.41
13 Reinforced cement concrete M15 grade kilometre local stone of standard design super IRC 8 fixing in position including painting and priming, etc as per drawing and technical specification clause 1703. 200 m stone	7.00	Each	726.81	Rupees Seven Hundred & Twenty Six and Paise One Only	5082.07

[Signature]
Engr. In-Chief
Road & Water Department
Dist. Lakhsara

[Signature]
21/12/22

Excess (+)

%

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
14	Direction and Place Identification signs with size more than 0.7 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 post 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	Sign	14888.13	Rupees Fourteen Thousand Eight Hundred & Eighty Eight and Paise Thirteen Only	28585.21
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 equilateral & triangle)	8.00	Each	4325.58	Rupees Four Thousand Three Hundred & Twenty Five and Paise Sixty Eight Only	34605.44
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 circular)	7.00	Each	4326.78	Rupees Four Thousand Two Hundred & Twenty Six and Paise Seventy Eight Only	29587.46
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 x 450 mm rectangular)	7.00	Each	4081.61	Rupees Four Thousand & Eighty One and Paise Sixty One Only	28571.27
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 (900 mm octagon stop board)	1.00	Each	8570.79	Rupees Eight Thousand Five Hundred & Seventy and Paise Seventy Nine Only	8570.79
19	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	8.00	Each	708.22	Rupees Seven Hundred & Eight and Paise Twenty Two Only	5665.76
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	88.00	height per	0.61	Rupees and Paise Sixty One Only	53.68

Signature of Tenderer with seal

Bakhar
21/12/22

Engineer
Department
Lakhtara

Excess (+)

%

SCHEDULE OF WORKS

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) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decomposed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year.	63.00	Each	1092.53	Rupees One Thousand & Ninety Two and Paise Fifty Three Only	68829.39
22. Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous 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.	250.00	Sqm	823.74	Rupees Eight Hundred & Twenty Three and Paise Seventy Four Only	205925.00
23. Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing 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.	110.00	Sqm	925.46	Rupees Nine Hundred & Twenty Five and Paise Forty Six Only	101800.60
24. (1)Providing and Fixing 'Legs' of Maintenance Project :- Providing and fixing of typical informatory sign board with Legs 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 3m 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	12370.27	Rupees Twelve Thousand Three Hundred & Seventy Eight and Paise Twenty Seven Only	37134.81
25. 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 lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	29.00	Cum	314.41	Rupees Three Hundred & Fourteen and Paise Forty One Only	9369.42
26. 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 002, 003, 1202 & 1203	2.85	Cum	5912.76	Rupees Five Thousand Nine Hundred & Twelve and Paise Seventy Six Only	17081.77
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 piers as per clause 1106 (1000-mm Dia)	7.50	RM	6545.19	Rupees Six Thousand Five Hundred & Forty Five and Paise Nineteen Only	49088.91
28. Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	40.32	Sqm	169.14	Rupees One Hundred & Sixty Nine and Paise Fourteen Only	6819.72

Signature of Tenderer with seal

Rajendra Kumar
Rajendra Kumar
Public Works Department
Lakhisarai

				Excess (+)			%
SCHEDULE OF WORKS							
Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P		
			Figure	Words			
29 Brick masonry work in cement mortar 1:2 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 800, 900 and 1208.4	5.76	Cum	5895.55	Rupees: Five Thousand Eight Hundred & Ninety Five and Paise Fifty Five Only	33958.37		
30 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 surface as per drawing and Technical Specification Clause 1221.	40.32	Sqm	114.40	Rupees: One Hundred & Fourteen and Paise Forty Only	4612.61		
31 Plain/Reinforced cement concrete (PCCM-30) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	26.70	Cum	6792.62	Rupees: Six Thousand Seven Hundred & Ninety Two and Paise Forty Two Only	167772.77		
32 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202.	0.81	Cum	644.44	Rupees: Six Hundred & Forty Four and Paise Forty Four Only	522.00		
33 Removing all types of House pipes and stacking, including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202.	3.00	RH	275.91	Rupees: Two Hundred & Seventy Five and Paise Ninety One Only	1379.55		
Cost of Construction :-					9112574.43		
Add 1% Labour Cess					91125.74		
Add 12% GST					1093508.93		
Seigniorage Fee					155715.70		
Total Cost of Construction :-					10452924.81		
34 5 Year Maintenance Cost	20.000	Qty	67731.00	Rupees: Sixty Seven Thousand Seven Hundred & Thirty One Only	1354620.00		
Cost of Maintenance :-					1354620.00		
Add 1% Labour Cess					13546.20		
Add 12% GST					162554.40		
Seigniorage Fee					6898.31		
Total Cost of Maintenance :-					1537618.91		
Total Cost of Project Including Five Year Maintenance :-					11990543.72		
Quoted Rate in Words		Rupees: One Crore Nineteen Lakh Ninety Thousand Five Hundred & Forty Three and Paise Seventy Two Only					

Executive Engineer
Rural Work Department
Work, Div, Lakhisarai

Rakshita
04/12/22