

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR

क्रमांक 3368 तिथि 26-7-22 रात सं० 100

AM 922398

हस्ता का नाम एवं पता दिनेश्वर नाथ सहस्रनाथ पुर

जुनादन प्रसाद, मुद्रांक निवेदन
OFFICE OF THE EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT, WORKS DIVISION, LAKHISARAI

AGREEMENT NO:- 30 /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/04 Package Under of Block in Lakhisarai Under M/R in Lakhisarai District and the Employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects therein, at a cost of Construction Rs. 2,88,73,899.00 (Two Crore Eighty Eight Lakh Seventy Three Thousand Eight Hundred Ninety Nine) only & five year Maintenance cost Rs. 61,75,713.00 (Sixty One Lakh Seventy Five Thousand Seven Hundred Thirteen) only,

Sl. No.	Name of Road	Const. Cost	Maintenanc ce cost	Agreement Value
1	Lakhisarai Bypass Canal more to Ramgarh Chowk Huddi Nahr	2,88,73,899	61,75,713	3,50,49,612
Total		2,88,73,899	61,75,713	3,50,49,612

21/12/22

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
मुख्यालय, लखीसराय
26/12/22

Model Bidding Document

Procurement
Of
Civil Works



For All Works Department

21/12/22

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
मुख्यालय, लखीसराय
21-12-22

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

AGREEMENT NO:-30/MBD/2022-23

NAME OF WORK: - MR-N/22-23/Lakhisarai/04 Package Under of Block in
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:- 2,88,73,899.00
Maintenance work:- 61,75,713.00
Total Amount:- 3,50,49,612.00

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 :- 10.55 % below (One Zero Point Five Five percent below)

Contractor Signature

Executive Engineer
RWD, Works Division, Lakhisarai

21/12/22

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
मुख्यालय, लखीसराय
21-12-22

Tender Inviting Authority: Engg-In Chief RWD Patna

VALIDATE

Name of Work: Construction of Road & CD Works for Lakhisarai Bypass Canal more To Ramgarh Chowk Huddi Nahar in Block MR / ROAD

PRINT

Contract No: Civil Works/

HELP

Bidder Name:	Excess (+)	%
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SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	1.73	Hect	59726.13	Rupees Fifty Nine Thousand Seven Hundred & Twenty Six and Paise Thirteen Only	103326.20
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.	2668.75	Cum	20.18	Rupees Twenty and Paise Eighteen Only	57891.38
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	1875.00	Cum	250.19	Rupees Two Hundred & Fifty and Paise Nineteen Only	469106.25
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.	5847.19	Cum	253.56	Rupees Two Hundred & Fifty Three and Paise Fifty Six Only	1482813.50
5	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tipper, 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	804.38	Cum	99.69	Rupees Ninety Nine and Paise Sixty Nine Only	80188.64
6	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.	1652.62	Cum	2217.81	Rupees Two Thousand Two Hundred & Seventeen and Paise Eighty One Only	3665197.16
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.	1624.22	Cum	3094.91	Rupees Three Thousand & Ninety Four and Paise Ninety One Only	5026814.72
8	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.	21656.27	Sqm	59.03	Rupees Fifty Nine and Paise Three Only	1278369.62

Signature of Tenderer with seal



कोविंदपाल सिंह
ग्रामीण कार्य विभाग
जय प्रमदल, लखीसराय
21-12-22

Name of Work: Construction of Road & CD Works for Lakhisarai Bypass Canal more To Ramgarh Chowk Huddi Nahar In Block
AR / ROAD

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		
9	Patch work over WBM using Mix seal surface for bituminous and Existing CC Pavement :- Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509.	21872.83	Sqm	243.80	Rupees Two Hundred & Forty Three and Paise Eighty Only	5332595.95	
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 hydrioc broom as per technical specification clause 503.	21872.83	Sqm	20.10	Rupees Twenty and Paise Ten Only	439643.88	
11	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.	546.82	Cum	12879.84	Rupees Twelve Thousand Eight Hundred & Seventy Nine and Paise Eighty Four Only	7042954.11	
12	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703. 5th km stone	1.00	Each	4944.45	Rupees Four Thousand Nine Hundred & Forty Four and Paise Forty Five Only	4944.45	
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	6.00	Each	2507.73	Rupees Two Thousand Five Hundred & Seven and Paise Seventy Three Only	15046.38	
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	23.00	Each	721.76	Rupees Seven Hundred & Twenty One and Paise Seventy Six Only	16600.48	
15	Direction and Place Identification signs with size more than 0.9 sqm size board :- Retro-reflectorised Traffic Signs Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.	1.92	Sqm	14873.20	Rupees Fourteen Thousand Eight Hundred & Seventy Three and Paise Twenty Only	28556.54	

कायपालिक अभियंता
ग्रामीण कार्य विभाग
जखीसरग

Signature of Tenderer with seal

कायपालक अभियंता
ग्रामीण कार्य विभाग
कस्बि प्रमंडल, लखीसराय
21-12-22

Bidder Name:		Excess (+)	%
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SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOI Rs.
				Figure	Words	
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)	16.00	Each	4314.47	Rupees Four Thousand Three Hundred & Fourteen and Paise Forty Seven Only	690
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)	12.00	Each	4215.58	Rupees Four Thousand Two Hundred & Fifteen and Paise Fifty Eight Only	5
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)	10.00	Each	4070.40	Rupees Four Thousand & Seventy and Paise Forty Only	
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)	6.00	Each	8559.59	Rupees Eight Thousand Five Hundred & Fifty Nine and Paise Fifty Nine Only	
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	48.00	Each	706.26	Rupees Seven Hundred & Six and Paise Twenty Six Only	
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	240.00	height per	0.61	Rupees and Paise Sixty One Only	

Signature of Tenderer with seal

कायपालिका
ग्रामीण का
नियंत्रण
११-१२-२२

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
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	289.00	Each	1092.53	Rupees One Thousand & Ninety Two and Paise Fifty Three Only	315741.17
23	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface :- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.	1155.00	Sqm	823.74	Rupees Eight Hundred & Twenty Three and Paise Seventy Four Only	951419.70
24	(1) Providing and Fixing 'Logo' of Maintenance Project :- Providing and fixing of typical informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	3	Each	12356.09	Rupees Twelve Thousand Three Hundred & Fifty Six and Paise Nine Only	37068.27
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 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.	195	Cum	314.41	Rupees Three Hundred & Fourteen and Paise Forty One Only	61410.56
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 802, 803, 1202 & 1203	80.560	Cum	5824.74	Rupees Five Thousand Eight Hundred & Twenty Four and Paise Seventy Four Only	469241.05
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 wells and parapets as per clause 1106 (300 mm Dia)	90.000	RM	747.11	Rupees Seven Hundred & Forty Seven and Paise Eleven Only	67240.17

Sl. No.		Description of work		No. or Qty.		Unit		Estimated Rate		AMOUNT Rs. P		
								Figure		Words		
28		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)		15.000		RM		3038.87		Rupees Three Thousand & Thirty Eight and Paise Eighty Seven Only		45583.06
29		Brick Flat Soling in foundation:-- Brick Flat Soling in foundation Trenches as per drawing and technical specification Clause 1108		39.360		Cum		284.84		Rupees Two Hundred & Eighty Four and Paise Eighty Four Only		11211.30
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 surfaces as per drawing and Technical Specification Clause 1701		29.760		Sqm		114.40		Rupees One Hundred & Fourteen and Paise Forty Only		3404.54
31		Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1108.		15		Cum		550.450		Rupees Five Hundred's Fifty and Paise Forty Five Only		8141.18
32		Plain/Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204		48		Cum		6698.63		Rupees Six Thousand Six Hundred & Ninety Eight and Paise Sixty Three Only		322472.05
33		Plain/Reinforced cement concrete (PCCM-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1205		65.610		Cum		5925.06		Rupees Five Thousand Nine Hundred & Twenty Five and Paise Six Only		388743.19
34		Providing Bitumen painting over top surface of Abutment cap & inner vertical surface of Dirt Wall including Heating the bitumen & cost of painting brush etc. all complete.		15		Sqm		20.100		Rupees Twenty and Paise Ten Only		301.50
35		RCC M25 in Deck Slab :- Providing and laying reinforced cement concrete in superstructure (Deck slab M25) as per drawing and technical specifications Clauses 800, 1205.4, 1205.5		8		Cum		7690.64		Rupees Seven Thousand Six Hundred & Ninety and Paise Sixty Four Only		61602.03
36		Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications		1		MT		76837.18		Rupees Seventy Six Thousand Eight Hundred & Thirty Seven and Paise Eighteen Only		89131.13
37		Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight		15		RM		45.72		Rupees Forty Five and Paise Seventy Two Only		685.85
38		Providing Weepholes in brick masonry, Plain / Reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structure with slope of 1V: 20H towards drawing		40.0		No		131.90		Rupees One Hundred & Thirty One and Paise Ninety Only		5276.18
39		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)		2.220		Cum		644.44		Rupees Six Hundred & Forty Four and Paise Forty Four Only		1430.66

कार्यपालिक आभियन्ता
ग्रामीण कार्य विभाग
नवीसराय

VALIDATE

PRINT

HELP

Name of Work: Construction of Road & CD Works for Lakhisarai Bypass Canal more To Ramgarh Chowk Huddi Nahar in Block MR / ROAD

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	
40	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)	6.720	Cum	939.58	Rupees Nine Hundred & Thirty Nine and Paise Fifty Six Only	6313.84
41	Removing all types of Hume pipes and stacking including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202.	10.000	RM	204.04	Rupees Two Hundred & Four and Paise Four Only	2040.40
Cost of Construction :-						28138033.97
Add 1% Labour Cess						281380.34
Add 12% GST						3376564.08
SEIGNIORAGE FEE						483394.30
Total Cost of Construction :-						32279372.68
42	Maintenance Quarterly	20.000	Km	303287.20	Rupees Three Lakh Three Thousand Two Hundred & Eighty Seven and Paise Twenty Only	6065744.00
Cost of Maintenance :-						6065744.00
Add 1% Labour Cess						60657.44
Add 12% GST						727889.28
SEIGNIORAGE FEE						49805.00
Total Cost of Maintenance :-						6904095.72
Total Cost of Project Including Five Year Maintenance :-						39183468.40
Quoted Rate in Words		Rupees Three Crore Ninety One Lakh Eighty Three Thousand Four Hundred & Sixty Eight and Paise Forty Only				

20/12/22

कार्यपालक अभियंता
सामान्य कार्य विभाग
मुख्यालय, नवलपरासी
20/12/22

Signature of Tenderer with seal