



इरकॉन इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)
An Integrated Engineering and Construction Company



Katni-Singrauli Rail Doubling Project,
1st Floor, Above Maruti Suzuki Show room,
Near Jhinhari Police Station,
NH-7, Jabalpur Road, Katni 483 501(M.P.)
email - ircon.2065@ircon.org

कटनी-सिंगरौली रेल दोहरीकरण परियोजना
प्रथम तल, मारुती सुजुकी शोरूम के उपर
झिंझरी, पुलिस चौकी के समीप, नेशनल हाईवे-7,
जबलपुर रोड, कटनी - 483 501 (म.प्र.)
ई-मेल - ircon.2065@ircon.org

No: IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 / 542

Date: 08.06.2024

To,

M/s Bihari Lal Menghani
WZ-13, 2nd Floor, Bindra Market
Sant Pura, Behind Bank of India
Near Tilak Nagar PS
New Delhi- 110018.

(Letter of Acceptance)

Sub: "Construction of proposed new LHS No. 1298/1A by BOX Pushing method in Gajrabahra-Deoragram double line section and Jacketing of existing Major Br. 1234/1 (4x12.2+1x18.3 mt) in Joba- Marwasgram in connection with Katni- Singrauli Rail Doubling project under West Central Railway".

Ref: (i) NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.
(ii) Bid submitted on 06.06.2024 and opened on 07.06.2024.

Your offer for the work of "Construction of proposed new LHS No. 1298/1A by BOX Pushing method in Gajrabahra- Deoragram double line section and Jacketing of existing Major Br. 1234/1 (4x12.2+1x18.3 mt) in Joba- Marwasgram in connection with Katni- Singrauli Rail Doubling project under West Central Railway" submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs **10,98,25,463.16** (Rupees Ten Crore Ninety Eight Lakhs Twenty Five Thousand Four Hundred Sixty Three and Paise Sixteen only) including GST @ 18% at the accepted rates of items / schedules as per Annexure-A (attached herewith) to this letter and terms and conditions, incorporating all the corrigendum and addendums issued to the tender documents.


08.06.24



1. In term of para 7.1 (i) of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) within 21 days from date of LOA in the form irrevocable bank guarantee in favor of IRCON International, Katni on the Performa annexed as Annexure-X (from any Scheduled Bank for an amount of 5% (Five percent) of the contract value, i.e., 54,91,274/- (Rupees Fifty-Four Lakhs Ninety-One Thousand Two Hundred Seventy-Four only).
2. The entire work is required to be completed within **08 (Eight) months** from the date of issue of this letter of acceptance.
3. Your kind attention is invited to the provision of Clause 16 of Special Conditions of Contract. You are required to submit/comply the following:
 - 3.1 In terms of clause 16.1, a programme for completion of work to the Engineer for his approval within 15 days from the date of receipt of letter of acceptance considering completion period as indicated in appendix to tender. Programme so submitted and agreed by IRCON will become part of the contract agreement. (For details, refer to Para 16.1 of SCC).
 - 3.2 In terms of clause 16.2, a detailed Execution/completion Programme with milestones/Key dates based on completion period as indicated in appendix to tender. These shall be incorporated in the Contract Agreement after approval by Engineer in charge (For details, refer to Para 16.2 of SCC).
 - 3.3 In terms of Clause No 16.3: Resource Deployment Program, within 15 days of award of contract, i.e. key personnel, manpower, Plant & Machinery and Other resources deployment program. These shall be incorporated in the Contract Agreement after approval by Engineer in charge.
 - 3.4 In terms of Clause No 16.4: within 15 days of award of contract, Cash flow statement and cumulative monthly progress plan (in the form of S curve). These shall be to be incorporated in the Contract Agreement after approval by Engineer in charge.
 - 3.5 In terms of Clause No 16.5: Within 18 days of award of contract, Method statement for various activities and Quality Assurance Plan (QAP) and start the work after their approval.
 - 3.6 In terms of Clause No 16.6: Within 15 days of the award of the contract, Organization chart of the project with the CV of the key personnel's to be deployed at the project site.


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NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024

4. You are requested to attend this office for signing of the Contract Agreement on or before 28 days after issue of this letter as per clause no.: 13.5 of Special Conditions of Contract.
5. All other terms and conditions shall be as per Tender Documents and Corrigendums and Addendums, which shall form an integral part of this contract and shall be binding on you. Your letters at reference above shall form part of the Contract Agreement. This Letter of Acceptance, along with your submitted offer, shall constitute a binding Contract between you and Ircon International Limited, till a formal agreement is drawn and executed.
6. This Letter of Acceptance is being issued in duplicate and you are requested to return one copy of this Letter of Acceptance duly accepted, signed & stamped on each page by your authorized representative.
7. You are advised to mobilize the resources to commence the work. You are requested to contact Project Head, Katni Singrauli Doubling Project for further instructions at the following address:

Katni Singrauli Doubling Project,
Ircon International Limited,
First Floor, Over Maruti Suzuki showroom,
Near Jhinhari Police Station, NH-7, Jabalpur Road,
Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:

- (i) Annexure-A, Bill of quantities (BOQ).

For & on behalf of
IRCON International Limited



(Akhilesh Sahu)
CGM/PH

Copy to:

- (i) GM/Fin, AGM/C-I, DGM/C/Bridge for information.

Name of Work: Execution of the work "Construction of proposed new LHS No. 1298/1A by BOX Pushing method in Gajrabahra- Deoragram double line section and Jackeling of existing Major Br. 1234/1 (4x12.2+1x18.3 mt) in Joba- Marwasgram in connection with Katni- Singrauli Rail Doubling project under West Central Railway".

NIT No-: IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.

Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
SCHEDULE A - All USSOR 2021 Items						
1	011030	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, platforms etc. with contractor's own earth conforming to Soil Quality Class SQ1/SQ2/SQ3, after preparation of foundations as applicable, benching in existing banks wherever required, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as per RDSO Specifications: RDSO/2020/GE: IRS-0004 with latest correction slips. Note: 1) Foundation preparation, Benchng including additional earthwork on account of this, wherever required, shall be paid extra under relevant schedule item for benchng. 2) Payment for Earthwork under this item shall be made based on the cross section measurements calculated (i) with original ground profile of existing bank based on initial ground levels before doing benchng and (ii) final profile of the bank worked out with final levels as per prevailing guidelines.				
a	011031	Using Soil Class SQ1	cum	1560.00	364.16	568,089.60

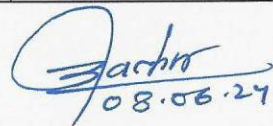
S. Acharya
08.06.24

Amulc
M. K. Paddar

NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.

Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
2	013050	Provision of barricading with contractor's bamboos / ballies vertical post of 100mm dia. planted at every 2m interval, projecting at least 1.5m above ground level and driven firmly (minimum 0.5m) inside ground and including painting verticals & horizontals with red luminous paints / strips at alternative bay on barricade. Barricades shall be maintained through out the execution of the work and shall be removed in workman like manner on completion of the work only after instruction of Engineer in-Charge. Note: (1) 60% payment shall be made on provision of barricading at worksite and balance 40% payment after removal of barricades. (2) The released bamboos / ballies shall be the property of the Contractor.				
a	13051	with 3 horizontal bamboo / balli members of minimum 50mm dia. spaced equally	RM	200.00	172.90	34,580.00
3	13052	Joining with strong nylon-rope in one cross and one horizontal pattern of minimum 5 mm dia	RM	200.00	123.82	24,764.00
4	022010	Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. Note: This item will be used for excavation work in connection with other miscellaneous works also. like side drains, foundation for OHE masts and other miscellaneous structures in connection with Gauge Conversion, Doubling, New lines.				
a	022011	All kinds of soils	cum	5734.00	223.75	1,282,982.50
b	022012	Soft Rock not requiring blasting	cum	2200.00	475.93	1,047,046.00

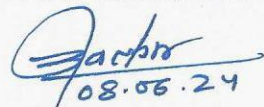

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Anurag

NIT No-: IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.

Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
c	022014	Hard Rock (blasting prohibited)	cum	200.00	1,330.43	266,086.00
5	022030	Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering				
a	022032	1:2:4 (1 Cement: 2 coarse sand (zone-III) : 04 graded stone aggregate 20 mm nominal size)	cum	250.00	3,706.90	926,725.00
6	022040	Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons for not using plasticiser at the stage of Mix Design and in that case deduction shall be made as per relevant item.	cum	320.00	3,667.19	1,173,500.80
7	024010	Providing and casting machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix, mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants, (Cast in-Situ/Pre-cast) in bottom/top slab, side walls, toe wall and sumps haunch filling head walls, thrust bed or any other component using 20mm graded crushed stone aggregate and coarse sand of approved quality of RCC box of any size including finishing, Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Note:	cum	1200.00	4,033.90	4,840,680.00


08.06.24


Jaiswal

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Bill of Quantity (BOQ)						
S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
8	025020	Providing and applying two coats of coal tar or bitumen confirming to IS:3117-latest version on the top and sides of RCC box/slabs @ 1.70 kg/sqm after cleaning the surface with all labour and materials complete job as directed by the Engineer	Sqm	489.00	205.29	100,386.81
9	025030	centering and shuttering including strutting, propping etc. and removal of form for :				
a	025031	All types of bridge sub-structures, e.g. pier, abutment, wing wall, retaining wall, RCC box type foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. upto 5m above ground level	Sqm	4400.00	789.41	3,473,404.00
10	025040	Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (mixed in Mobile Concrete Batching/Mixing Plant at site using 20mm graded crushed stone aggregate and coarse sand of approved quality in jacketing of piers and abutments from bottom of foundation up to a height of 10m for designed thickness of jacketing including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be paid extra under relevant item. 2. Plasticizer shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons for not using plasticisers at the stage of Mix Design and in that case deduction shall be made as per relevant item.	Cum	1650.00	6,165.69	10,173,388.50
11	025070	Supply and using Cement at Worksite				
a	025071	Ordinary Portland Cement 43 grade approved brands/makes	MT	1808.00	8,616.96	15,579,463.68
12	025080	Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				-

Signature
10.05.24

Signature
Arun

NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.

Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
a	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.	Kg	320000.00	125.14	40,044,800.00
13	031120	Casting and installation of single/twin RCC box of all sizes with or without common web section including design of pushing scheme, thrust bed, casting of all RCC components, with specified grade of controlled concrete, pushing it in correct position and alignment below Railway track/Road following all measures of track safety by "Box pushing technique" as per approved drawings/scheme, with or without surcharge in all types of soils with disposal of surplus earth away from vent up to 1 Km, fixing arrangement for all services & utilities including parapet walls on both sides, wearing course, foot paths, plaques, drainage arrangements etc. and all other incidental works to complete the ROB/RUB/Canal crossing in all respect as per specifications to the satisfaction of Engineer-in-Charge. Note: 1. The rate includes all items of work/supplies for complete job in all respects except "cost of Reinforced cement concrete, cement, reinforcement & shuttering" of (i) main RCC Box; (ii) Thrust Bed; (iii) Footpath (iv) Parapet wall and (v) wearing Course only, which shall be paid extra under relevant items of USSOR. 2. In case Drag Sheet and/or Rail Cluster are to be used as per approved scheme and design, the same shall be paid extra under relevant item. 3. The payment for this item shall be made for the clear inner cross section area of the parent RCC Box/Boxes and barrel length i.e. clear inner volume of parent RCC Box/Boxes.	CUM	625.00	5,347.70	3,342,312.50
14	031121	Extra for using GI Drag Sheet, 1.50mm thick, for protection of track from subsidence while pushing the box as per design over item no. 031120. Note: The payment for this item shall be made for the clear inner cross section area of the parent RCCBox/Boxes and barrel length i.e. clear inner volume of parent RCCBox/Boxes.	cum	625.00	1,225.55	765,968.75

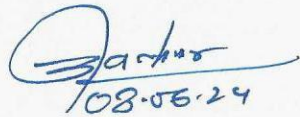
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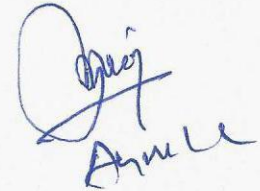
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NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.

Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
15	031140	Fabrication, insertion and removal of rail cluster below the running track to ensure safety of track during box pushing incorrect position and alignment with Railway rail sand contractors MS flats, wooden blocks, and 12mm dia bolts etc., as per approved drawing including removing and filling back of ballast below track under traffic conditions of Electrified/Non-Electrified section with all contractors, labour, tools, tackles, consumables plants, and 50MT capacity crane and any other material required for execution of work in all respect with all lead and lift, transportation and as directed by Engineer in-charge. Payment quantity shall be as per the weight of rail/rail cluster used at site or as per approved drawing, whichever ever is minimum. Note: (i) Insulated Elastomeric pad (Railway supplied) shall be used between Running rail and cross rails to prevent failure of track circuit. (ii) CCCribs will be supplied by the railway staff free of cost, if the same required to be inserted under the track. Transportation to the site and back to the required location will be paid by Railway under relevant agreement item (iii) Rail cluster should be properly maintained by proper packing under wooden blocks /mattings during passage of trains and de assemble after completion of work.	MT	40.00	6,459.78	258,391.20
16	031200	Applying Epoxy Poly-sulphate Paint three coats on existing bottom surface of deck slab including cleaning surface of dirt, dust & other foreign matter, sand papering, wire brushing as required with all contractor's materials tools, machinery, scaffolding, lead, lifts etc. complete as per specifications and as directed by Engineer in-charge	Sqm	360.00	422.32	152,035.20


08.06.24


Amul

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Bill of Quantity (BOQ)						
S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
17	041370	Supplying fabricating and erecting welded and/or bolted and/or riveted steel work in built up sections, trusses and framed work, staging, racks, Height Gauge etc. for Steel Structures other than bridge girders, using RSJ, tees, angles and channels/flats, plates, gussets, round or square bars, cleats, bolts etc., with contractors own steel including cutting, bending, straightening, drilling, riveting, hoisting, fixing, erecting, welding, bolting etc., with Providing stiffeners wherever required as per approved drawing including applying a priming coat of a approved steel primer with all contractor's materials, labour, tools & plants, lead & lift including crossing of tracks if required etc., complete as per specification and as directed by Engineer-in-charge. Note: The payment shall be made on the theoretical weight of main components and gusset plates only.	MT	40.00	135,544.04	5,421,761.60
18	052030	Supply and laying of quarry dust including consolidation, supply of all materials, labour, lead, lift, tools, plants, crossing of tracks as per drawing and technical specification as directed by the Engineer in charge in case loose slush is encountered at site of foundation before casting the foundation or laying the filtering media.	cum	40.00	1,088.35	43,534.00
19	052070	Grouting of masonry/concrete by injection process duly Sealing of cracks, through nipples complete as per Technical Specification and procedure given in IRBM Para No 209 including necessary admixture. Payment shall be as per use of cement by weight in case of neat cement/cement mortar grouting and weight of Epoxy in case of Epoxy Grouting. (Cement will be paid extra).				
a	052073	Epoxy Grout	Kg	500.00	1,553.99	776,995.00
20	052150	Providing and laying of filter media consisting of granular materials of GW, GP, SW groups as per IS:1498 (latest) in required profile behind boulder filling of abutments, wing walls / return walls etc. above bed level with all labour and material complete job as per drawing and technical specification of RDSO Guidelines.	cum	50.00	2,744.81	137,240.50

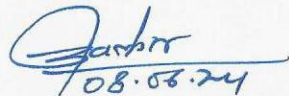

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Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
21	211220	Supplying and filling 50 kg size empty cement polythene bags with Rly. Ballast/moorum/earth/Sand/quarry dust etc. placing the filled bags on the high banks /bridge approaches/nominated place etc. dumping and spreading at the nominated locations to profile under block period with all contractor's labour, tools, plants, loading, unloading, filling, spreading including all lead/lift etc. complete and as directed by the Engineer in charge at site including crossing of track where necessary.	EACH	3,000.00	16.01	48,030.00
22	082010	Recoupmnt of ballast in running line with railway's stone ballast from existing stacks available along alignment either on top of cutting or on cess or at toe of bank by head leads or by any other means and spreading to make up deficiency in the required profile with contractor's labour, tools & plants, as directed by Engineer-in-charge. Note: Payment shall be made based on ballast stack measurement				
a	082011	For average lead up to 50m and lift up to 5m	cum	50.00	119.12	5,956.00
23	085000	Supply of Ballast				
a	085010	Manufacturing, supply and stacking of machine crushed Track Ballast conforming to RDSO Specification (IRS-GE-1) with latest correction slips at Railway depot or nominated location. Note: Distance of nearest quarry mentioned in each sub item is only for the purpose of selecting the items for preparation of estimates/tender schedule, based on the minimum distance between nearest quarry and centre of supply point sand will not affect the selection of quarry during physical supply in any way till prescribed specification is met fully.				
b	085013	When distance of nearest quarry is more than 20 km and up to 30 km	cum	200.00	1,239.52	247,904.00
24	131030	First or Second Through Packing of track of all sleeper density including giving a general lift, as desired to eliminate sag after Deep Screening work, lifting of track, lowering of track and major realignment of curves and formation rehabilitation as per procedure prescribed in latest edition of IRPWM. Note: General lift is normally 25 mm and isolated lift may be up to 50 mm.				
a	131032	For PSC Sleeper Track with Sleeper Density of 1660	TRM	100.00	152.25	15,225.00


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Anil

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Bill of Quantity (BOQ)

S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
25	131040	Third or subsequent Through Packing of track for all sleeper density including picking of slacks, as required after second through packing, subsequent to Deep Screening work as per procedure prescribed in latest edition of IRPWM. This item can also be used after lifting/regrading/realignment works also. Note: General lift is normally 25 mm and isolated lift may be up to 50 mm.				
a	131042	For PSC Sleeper Track with Sleeper Density of 1660	TRM	100.00	117.12	11,712.00
26	211020	Erection or removal of temporary Engineering Indicator Board or any other board at specified locations without causing infringement to track etc. complete and as directed.				
a	211021	For erection	Each	2.00	282.69	565.38
b	211022	For removal	Each	2.00	229.76	459.52
27	202020	Manufacturing, fabricating and supplying retro-reflective Engineering Indicator boards, made of 2mm thick aluminium sheet or 3mm thick aluminium composite sheet, face to be fully covered with high intensity encapsulated type heat activated retro-reflective sheeting conforming to type-IV of ASTM-D4956-01 in yellow & black or other colour combination including subject matter, message, symbols, borders etc. as approved by Engineer In-charge or as per IRPWM guidelines, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956- 01 and fixing the same with suitable sized aluminium alloy rivets @ 20cm c/c to back-support frame of M.S. angle iron of size 25mm x25mmx 3mm provided all along the edges of board with theft resistant measures back side of board shall be with non-peelable weatherproof paint, consisting of one coat of zinc chromate primer and two coats of epoxy paint. Vertical post shall have black & white anti-corrosive paint or powder coating complete, as directed.				
a	202021	Caution Indicator Board of size 1400mmx400mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	4.00	8,423.17	33,692.68


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Bill of Quantity (BOQ)						
S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
b	202022	Speed Indicator Board of equilateral triangular shape having each side of 1000mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	4.00	7,141.40	28,565.60
c	202024	Termination Indicator Board of Circular shape having diameter of 1000mm with back support frame welded to vertical post of MS angle of size 50mmx50mmx6mm of 3950 mm long	Each	8.00	10,601.40	84,811.20
28	135000	Destressing Works				
a	135010	De-stressing of LWR/CWR track of any density under traffic line block with contractor's labours, tools, equipments and consumables inclusive of all lead & lift. Activities include cutting of LWR/CWR into convenient panels of specified length, removal of ERCs, liners, greasing of ERCs and liner contact area, lifting rails and keeping them on rollers provided at every 15 sleepers, working out elongation of rail ends depending on prevailing site conditions, pulling rails with the help of Hydraulic Tensor to achieve the desired elongation, cutting rails, as required, removing rollers and placing rail in position, re-fixing ERCs & liners and adjustment of gap at SEJs : Note: (1) Welding of rail joints will be paid separately. (2) Rail cutting and Hole drilling shall be paid separately. (3) Opening and closing of LC if required will be paid separately. (4) As per procedure prescribed in latest edition of IRPWM & CE's Circulars for destressing of LWR/CWR, if any.				
b	135013	Without Rail tensor	TRM	2000.00	53.63	107,260.00
29		Any Unforeseen item of USSOR-2021 (RateX1.18/1.12) which are not covered in BOQ	LUMPS UM			5,000,000.00
TOTAL SCHEDULE A INCLUDING 18% GST						96,018,317.02

Signature
08.06.24

Signature
Amlc

NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.						
Bill of Quantity (BOQ)						
S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
SCHEDULE - B: Percentage above/below/at par CPWD-DSR-2021						
1	2.0	EARTH WORK				
2	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
3	2.10.1	All kinds of soil				
4	2.10.1.1	Pipes, cables etc., not exceeding 80 mm dia.	Metre	75.00	269.24	20,193.00
5	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia But not exceeding 300 mm dia	Metre	75.00	439.71	32,978.25
6	2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Metre	75.00	686.45	51,483.75
7	16.43	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately				
8	16.43.1	Cement concrete prepared with batch mixing machine	CUM	450.00	10,001.45	4,500,652.50

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NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.						
Bill of Quantity (BOQ)						
S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
9	0	Any Unforeseen item of DSR-2021 (RateX1.18/1.12) which are not covered in BOQ	LUMPS UM			2,000,000.00
TOTAL OF SCHEDULE B INCLUDING 18% GST						6,605,307.50
Schedule C-Non Schedule items						
1	NS-1	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I.				
a		Bolero,Scorpio , or similar SUV as directed by Engineer in charge	Vehicle/month	6	74,682.84	448,097.04
2	NS-2	providing service such as mainting records of files movements , receiving & sending fax, maintaing files computer operator maintenance etc. (semi skilled) inclusive of all taxes	Man Month	6	24,387.29	146,323.74
3	NS-3	Providing Graduate Engineer in civil discipline with 03 yrs experience for site work , design, section and maintaning records etc. inclusive of all taxes .	Man Month	6	54,627.53	327,765.18
4	NS-4	Supply of Alumino thermic welding portions 60 kg as per approved by RDSO for welding of rail 60 kg for 25 mm gap By the process of AT welding along with complete accessories confirming to the specification laid down in Indian Railway Standard specification No.IRST-19-2012 up to date correction slips with Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) manually pressed for execution of welding of rail joint and compressed air petrol heating techniques including consumable stores complete and as directed by the engineer in charge at site. The following accessories shall be supplied.				
a	NS-4 (a)	For 60 Kg Rail, 3-piece Mould and Compressed Air Petrol heating technique (For 90 UTS Rail 150 nos. Portion, For RE 260 grade 150 nos., For R260 and 90 UTS Combination 300 nos.)	Each	10	5,788.90	57,889.00

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NIT No:- IRCON/2065/KSD/Tender/ LHS1298/1 &1234/1 Br / 134 Date 30.05.2024.						
Bill of Quantity (BOQ)						
S No.	Item No	Description of Item	Unit	Qty	Amount With 18% GST	Amount With 18% GST
7	NS-5	25 mm gap 'in situ' welding and finishing of rail joints as per IR's AT Welding Manual under traffic block with Railway's welding portion under Railway's supervision by contractor's competent welder and other skilled labour, including consumables tools & equipments. Item includes use of weld trimmer and & grinding of weld, finished to meet the weld tolerances. Only welding portion and related consumables, e.g. Single shot crucible, Conventional Crucible, mould shoes, pre-fabricated dry mould, luting sand, closing pin, asbestos powder, igniter, thimble and magnesite powder as per method of welding will be supplied by Railways. All other tools, equipments etc. including fuel for pre-heating will be arranged by contractor. Item also includes anti corrosive painting to weld & marking of weld joint, as directed by engineer in-charge.				
	NS-5 (a)	For 60 kg Rail, single shot crucible fitted with automatic tapping thimble technology, 3-piece Mould (Zircon washed) and Compressed Air Petrol heating technique	Each	10	4,434.05	44,340.50
TOTAL of SCHEDULE C with 18% GST						1,024,415.46
TOTAL OF SCHEDULE (A+B+C) Rs. With 18% GST						103,648,039.98
Quoted price by agency @ 5.96% above on estimated cost						6177423.183
Grand total in Rs including 18% GST						109,825,463.16

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