



इस्कॉन 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/Tender/FOBs at BSLD SSGJ KHBJ &VST/139/1829 Date:27.11.2024

M/s Laxyo Energy Ltd.
Laxyo Tower, 46/1, T.I.T. Road,
Ratlam (M.P.) , Pin 457001
Tel : 7412-232432

(Letter of Acceptance)

Sub: "Construction of new 3.0m wide FOBs at Bharsendi(BSDL), Sursaraighat Jhara(SSGJ) & Khanna Banjari(KHBJ) stations along with extension of existing FOB at Vijaysota(VST) station in connection with Katni-Singrauli Rail Doubling Project under West Central Railway (M.P)", Pkg-07.

Ref:

- (i) Tender No.: IRCON/2065/Tender/FOBs at BSLD SSGJ KHBJ &VST/139 dtd 18.11.24.
- (ii) Bid submitted on 25.11.2024 and opened on 26.11.2024.

Your offer for the work of "Construction of new 3.0 m wide FOBs at Bharsendi (BSDL), Sursaraighat Jhara(SSGJ) & Khanna Banjari(KHBJ) stations along with extension of existing FOB at Vijaysota (VST) station in connection with Katni-Singrauli Rail Doubling Project under West Central Railway (M.P)", Pkg-07. submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs 7,77,21,119/- (Seven Crore Seventy-Seven Lakh Twenty-One Thousand One Hundred Nineteen only) including 18% GST i.e 0.07% below estimated cost of tender (Rs 7,77,75,562.00) and accepted rates of items / schedules as per Annexure-A BOQ (attached herewith) to this letter and terms and conditions, incorporating all the corrigendum and addendums issued to the tender documents.

1. In term of para 7.0 of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) within 21 days from date of issue 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., Rs. 38,86,056/- (Rupees Thirty-Eight Lakhs Eighty-Six Thousand Fifty Six only).


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2. The entire work is required to be completed within **06 (Six) 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.
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 Corrigendum 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


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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.

For & on behalf of
IRCON International Limited



(Akhilesh Sahu)
CGM/PH

Copy to:

GM/Fin, AGM/Civil-I & JGM/Civil for information.

Summary of BOQ			
Name of Work:- Construction of new 3.0m wide FOBs at Bharsendi(BSDL), Sursaraighat Jhara(SSGJ) & Khanna Banjari(KHBJ) stations along with extension of existing FOB at Vijaysota(VST) station in connection with Katni-Singrauli Rail Doubling Project under West Central Railway (M.P).			
NIT No. IRCON/2065/Tender/FOBs at BSLD SSGJ KHBJ &VST/139 dtd 18.11.2024			
Sl. No	Schedule	Description	Total Amount with 18%GST
1	Schedule -I	USSOR 2021 WCR	₹ 53,138,743.40
2	Schedule -II	Unforeseen items of USSOR 2021 WCR	₹ 1,500,000.00
3	Schedule III	DSR -2021 Items	₹ 8,464,649.79
4	Schedule IV	Unforeseen items of DSR-2021	₹ 1,500,000.00
5	Schedule V	NON-SOR Items	₹ 13,172,168.98
	Total of Schedules (I+II+III+IV+V) in Rs		₹ 77,775,562.00
	Quoted price @ -0.07% below		₹ 54,442.89
	Grand total with 18 % Gst		₹ 77,721,119

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IRCON INTERNATIONAL LIMITED						
Katni-Singrauli Railway Doubling Project						
Bill of Quantity (BOQ)						
Name of Work:- Construction of new 3.0m wide FOBs at Bharsendi(BSDL), Sursaraighat Jhara(SSGJ) & Khanna Banjari(KHBJ) stations along with extension of existing FOB at Vijaysota(VST) station in connection with Katni-Singrauli Rail Doubling Project under West Central Railway (M.P).						
NIT No. IRCON/2065/Tender/FOBs at BSLD SSGJ KHBJ &VST/139 dtd 18.11.2024						
BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate	Amount
Schedule I (IRUSSOR-2021 WCR)						
1	021010	Exploratory drilling of boreholes down to required depth, drilling of 150mm dia. boreholes in all type of soils except hard rock & large boulders (boulder core more than 30cm) including refilling, reinstating surface and disposing off surplus material including use of mechanical rigs with power operated winches as well as percussion/chiselling tool for advancing through occasional seams of hard strata to be employed, where necessary in Dry area.				
1a	021011	0m to 10m	meter	50.00	₹ 1,271.00	₹ 63,550.00
2	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				
2a	022011	All kinds of soils	cum	990.00	₹ 212.37	₹ 210,246.30
2b	022012	Soft Rock	cum	105.00	₹ 451.73	₹ 47,431.65
2c	022014	Hard Rock (Blasting Prohibited)	cum	80.00	₹ 1,262.78	₹ 101,022.40
3	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 - All work up to plinth level :				
3a	022031	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	100.00	₹ 3,401.85	₹ 340,185.00

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BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate	Amount
4	022040	Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of specified grade (Cast in- Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra.	Cum	505.00	₹ 3,480.72	₹ 1,757,763.60
5	025030	Centering and shuttering including strutting, propping etc. and removal of form for				
5a	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. up to 5m above ground level	sqm	845.00	₹ 749.27	₹ 633,133.15
6	025070	Supply and using Cement at Worksite				
6a	025071	Ordinary Portland Cement 43 grade	MT	245.00	₹ 8,178.81	₹ 2,003,808.45
7	025080	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
7a	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	88,000.00	₹ 118.78	₹ 10,452,640.00
8	041370	Supplying fabricating and erecting welded and/or bolted and/or riveted steel work in built up sections, trusses and framed work, staging, racks 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.	MT	235.00	₹ 128,651.97	₹ 30,233,212.95
9	041020	Supplying and fixing HSFG bolts of any dia and any length with suitable nuts including DTI washers conforming to IRS-B1-2001 for bridges and steel structures with contractors labour, tools and plants and lead and lift etc., complete.	Kg	1,000.00	₹ 187.18	₹ 187,180.00

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NIT No. IRCON/2065/Tender/FOBs at BSLD SSGJ KHBJ & VST/139 dtd 18.11.2024						
BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate	Amount
10	041041	Metalizing of steel work of girders with sprayed aluminium after surface preparation by Sand/grit blasting, followed by one coat of etch primer (IS:5666) & one coat of Zinc Chrome primer (IS:104) and two coats of aluminium paint (IS:2339) with all labour, T&P and material as a complete job duly conforming to all relevant specifications and process given under Clause 39 of IRS-B1-2001 Note: Nominal Thickness of Aluminium coating shall be 150 microns. DFT of Zinc chrome primer shall be 25-30 microns and DFT of each coat of Aluminium paint shall be 12-14 microns.	Sqm	4,700.00	₹ 839.39	₹ 3,945,133.00
Total of Schedule-I =						₹ 49,975,306.50
18% GST Multiplying Factor =						₹ 1.0633
Total of Schedule-II A (with 18% GST) =						₹ 53,138,743.40

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BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate	Amount
1	USSOR item-2021	Any Unforeseen item of USSOR-2021 which are not covered in BOQ (@ 18% GST)	LS			₹ 1,500,000.00
Schedule-II (IRUSSOR-2021 Unforeseen items)						₹ 1,500,000.00
Total of Schedule-II A (with 18% GST) =						₹ 1,500,000.00
Schedule-III(DSR-2021 items)						
1	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
1a	10.16.3	Electric resistance or induction butt welded tubes	Kg	39000	₹ 140.85	₹ 5,493,150.00
2	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	600	₹ 612.25	₹ 367,350.00
3	11.20	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
3a	11.20.1	Light shade pigment using white cement	Sqm	780	₹ 1,233.05	₹ 961,779.00

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NIT No. IRCON/2065/Tender/FOBs at BSLD SSGJ KHBJ & VST/139 dtd 18.11.2024						
BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate	Amount
4	12.50	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	1275	₹ 671.55	₹ 856,226.25
5	12.51	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50mm +/- 5% total coated thickness (TCT) thick Zinc coating 120 gsm as per IS:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete.				
5a	12.51.1	Ridges plain (500-600mm)	Metre	270	₹ 450.60	₹ 121,662.00
6	15.2	Demolishing cement concrete manually by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
6a	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design)	cum	80	₹ 2,007.10	₹ 160,568.00
Total of Schedule-II A (with 12% GST) =						₹ 7,960,735.25
18% GST Multiplying Factor (1.0633) =						₹ 1.0633
Total of Schedule-II A (with 18% GST) =						₹ 8,464,649.79

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NIT No. IRCON/2065/Tender/FOBs at BSLD SSGJ KHBJ & VST/139 dtd 18.11.2024						
BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate	Amount
Schedule-IV (DSR-2021 Any Unforeseen items)						
1	DSR-2021	Any Unforeseen item of DSR -2021 which are not covered in BOQ (@18%GST).	LS			₹ 1,500,000.00
Total of Schedule-II A (with 18% GST) =						
Schedule-V (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.				
1a	NS-1 (a)	Bolero, scorpio or similar SUV as directed by Engineer in charge.				
2	NS-2	Providing service such as maintaining records of files movements, receiving & sending fax, maintaining files computer operator maintenance etc. (semi skilled) inclusive of all taxes	Vehicle/month	12	₹ 72,363.53	₹ 868,362.36
3	NS-3	Providing Graduate Engineer in civil discipline with 03 yrs experience for site work, design, section and maintaining records etc. inclusive of all taxes.	Man Month	6	₹ 23,629.93	₹ 141,779.58
4	NS-4	Providing & launching of FOB girder/structure by Road crane of specified lifting capacity with specified jib length including required machinery, labour, tools etc. for complete job of launching.	Man Month	6	₹ 52,931.04	₹ 317,586.24
5	NS-5	Providing, fixing and installation of 1.2mm thick Deck sheet with minimum yield strength of 250Mpa having 275 GSM coating on both sides of the sheets of JSW/Tata Blue scope or similar brand including profiling, embossing & fixing with all contractor's men, materials, fasteners, fixtures equipment's etc. complete. Including working across track above OHE with all lead & lift for FOB deck, ramp & stairs slab.	MT	130	₹ 74,234.16	₹ 9,650,440.80
6	NS-6	Inspection of FOB Girders & other structural steel components in fabrication workshops at different stages as per the work order / latest drawings/ relevant codes /standards /QAPs & WPSS approved by Third Party.	sqm	840	₹ 2,290.00	₹ 1,923,600.00
			MT	130	₹ 2,080.00	₹ 270,400.00
Total of Schedule-IV (with 18% GST) =						
Total of Estimate Schedule (I+II+III+IV+V) including 18% GST						
Quoted price @ - 0.07% below estimated cost of the works						
Grand total with 18% GST						
						₹ 13,172,168.98
						₹ 77,775,562.00
						₹ 54,442.89
						₹ 77,721,119

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(Mr. K. Godkar)