



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/KSD/Tender/FOB /Pkg-05/ 125 /583

Date:- 30.06.2023

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 12.0 M wide FOB at Beohari station in connection with Katni-Singrauli Rail Doubling Project under W.C.R (M.P)".

Ref:

- (i) Tender No.:IRCON/2065/KSD/Tender/FOB /Pkg-05/ 125 Date: 14.06.2023.
- (ii) Bid submitted on 21.06.2023 and opened on 22.06.2023.
- (iii) Negotiations meeting dtd 24.06.2023.
- (iii) Revised offer of M/s Laxyo Energy Ltd. Ltd Letter no. dated 24.06.2023

Your offer for the work "Construction of 12.0 M wide FOB at Beohari station in connection with Katni-Singrauli Rail Doubling Project under W.C.R (M.P)". in connection with Katni-Singrauli Rail Doubling Project under W.C.R (M.P), Pkg-05" submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of **Rs. 12,00,00,481/- (Rupees twelve Crores Four Hundred Eighty One Only)** including all tax (GST) i.e 1.97 % above estimated cost of tender (Rs 11,76,82,143.00) and 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.

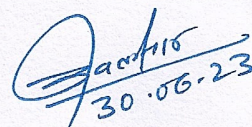
1. In term of para 7.0 of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) within 21 days from date of issue of LOA in the form irrevocable bank guarantee in favor of IRCON International, Katni on the Performa annexed as Annexure-X (from any Scheduled Bank for an amount of 5% (Five percent) of the contract value, i.e., Rs. 6,000,024/- (Rupees Sixty Lakhs Twenty Four 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 Contract between you and Ircon International Limited, till a formal agreement is drawn and executed.


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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:

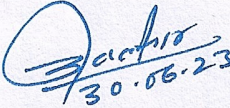
Katni Singrauli Doubling Project,
Ircon International Limited,
First Floor, Over Maruti Suzuki showroom,
Near Jhinhari Police Station, NH-7, Jabalpur
Road, Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:

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

For & on behalf of
IRCON International Limited



30.06.23

(Akhilesh Sahu)
CGM/PH

Copy to:

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

IRCON INTERNATIONAL LIMITED

Katni-Singrauli Railway Doubling Project

Bill of Quantity (BOQ)

Name of Work:- " Construction of 12.0 M wide FOB at Beohari station in connection with Katni-Singrauli Rail Doubling Project under W.C.R (M.P).

NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/ 125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
Schedule I (IRUSSOR-2019)						
Schedule-I A (IRUSSOR-2019 Item)						
1	0,22010	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				
1.a	Item No 022011	All kinds of soils	cum	1,890.00	224.95	425,155.50

~~Q. No. 10000~~
~~Q. No. 10000~~

Name of Work:- " Construction of 12.0 M wide FOB at Beohari station in connection with Katni-Singrauli Rail Doubling Project under W.C.R (M.P)."

NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
2		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 :				-
2.(a)	Item No 022031	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	10.00	3060.44	30,604.40
2.(b)	Item No 022034	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	172.00	3230.48	555,642.56
3	Item No. 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	675.00	3185.60	2,150,280.00
4	25060	Supply and using Cement at Worksite				-
4a	Item No. 025061	Ordinary Portland Cement 43 grade	MT	320.00	8237.98	2,636,153.60

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NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
5	Item no 025070	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				-
5a	Item No: 025072	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	42,490.00	110.81	4,708,316.90
6	Item No 041390	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	305.00	129774.94	39,581,356.70
7	Item No. 041030	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	4,750.00	528.41	2,509,947.50

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NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
8	Item No. 041050	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	5,280.00	1054.70	5,568,816.00
9	Item No. 041070	Supplying and fixing M.S. Angles 65mmx 65mmx 8mm or any other size conforming to IS:2062 in the nosing of steps of stair cases of Foot Over Bridges including provision of 10mm dia, anchor bar 600mm c/c and fixing with main girder with M.S. flat, making anti-slip arrangements over the top of nosing as per approved scheme given by Engineer in charge with all material, labour, T&P as a complete job.	kg	1,490.00	125.04	186,309.60
		TOTAL ESTIMATE OF SCHEDULE -I A=				58,352,582.76
		Schedule-I B (IRUSSOR-2019 Unforeseen item)				
	USSOR item-2019	Any Unforeseen item of USSOR 2019 (IRUSSOR Rate X(18% GST instead of 12% , i.e 1.0633 Multiplying) x escalation from May-21 to April -23) , i.e for civil item 21.18% & apply for struct. steel item 59.82%), which are	Ls			2,800,000.00
		TOTAL ESTIMATE OF SCHEDULE -I B =				2,800,000.00

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NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/ 125 Date:14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
TOTAL ESTIMATE OF SCHEDULE-I (IA+I B) =						61,152,582.76
Schedule-II (DSR-2021)						
Schedule-II A (DSR-2021 items)						
1	DSR 5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
1a	DSR -2021 (Item no 5.9.1)	Foundations, footing, bases of columns, etc for mass concrete	sqm	360.00	379.44	136,598.40
1b	DSR -2021 (Item no 5.9.3)	Suspended floors, roofs, landings, balconies and access platform	Sqm	1,927.00	944.50	1,820,051.50
1c	DSR -2021 (Item no 5.9.5)	Lintles, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	sqm	130.00	749.58	97,445.40
1d	DSR -2021 (Item no 5.9.6)	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	115.00	990.96	113,960.40
1.1. a	DSR -2021 (Item no 5.9.16.1)	Edges of slabs and breaks in floors and walls under 20cm wide	Metre	710.00	224.12	159,125.20

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NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/ 125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
2	DSR -2021 (Item no .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.				
2a	DSR -2021 (Item no .10.16.1)	Hot finished welded type tubes	Kg	51,180.00	187.66	9,604,438.80
3	DSR -2021 (Item no .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	2,590.00	741.73	1,921,080.70

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NIT No (RCON/2065/KSD/Tender/FOB /Pkg-05/ 125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
4	DSR -2021 (Item no .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	2,050.00	813.57	1,667,818.50
5		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	DSR -2021 (Item no .12.51.1)	Ridges plain (500-600mm)	Metre	360.00	545.89	196,520.40

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NIT No (RCON/2065/KSD/Tender/FOB /Pkg-05/125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
6	11.20	Chequerred 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).			-	0.00
6a	DSR -2021 (Item no .11.20.1)	Light shade pigment using white cemen	Sqm	5,410.00	1,519.30	8,219,413.00
7	DSR -2021 (Item no .11.56)	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
7a	DSR -2021 (Item no .11.56.1)	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	990.00	4,816.24	4,768,077.60
		TOTAL ESTIMATE OF SCHEDULE -II A =				28,704,529.90
Schedule-II B (DSR-2021 Any Unforeseen items)						

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NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
1	DSR-2021	Any Unforeseen item of DSR -2021 (Rate x1.0633 x escalation 15.88%) which are not covered in BOQ.	Ls			2,500,000.00
		TOTAL ESTIMATE OF SCHEDULE -II B =				2,500,000.00
		TOTAL ESTIMATE OF SCHEDULE -II (A+B) =				31,204,529.90
Schedule-III (NS Items)						
1		Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I.				
1a		Innova or similar SUV as directed by Engineer in charge .	Vehicle/ month	16	70,965.51	1,135,448.16
1 (b)		Extra for running and maintenance of every additional Km over and above 3000 KMs (Tata Sumo, Bolero , Scorpio or similar SUV) as specified in special conditions of contract -I	Km	20000	17.83	356,600.00
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	12	23,173.41	278,080.92
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	12	51,908.44	622,901.28

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NIT No (IRCON/2065/KSD/Tender/FOB /Pkg-05/125 Date: 14.06.2023.

BOQ Item No.	Reference	Description of work	Unit	Quantity	Rate with 18% GST	Amount in Rs
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.	MT	315.00	72,800.00	22,932,000.00
		TOTAL ESTIMATE OF SCHEDULE -III =				25,325,030.36
		TOTAL ESTIMATED AMOUNT OF SCHEDULE-(I+II+III) =				117,682,143
		Grand Total including GST				117,682,143
		Quoted price @ 1.97% above estimated cost				2,318,338
		Accepted value of works incl. GST				120,000,481

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