



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/KSDP/Tender/ Bal.PF. / MWJ-GNDI/Pkg-05/ 114/1114 Date: 08.11.2022

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

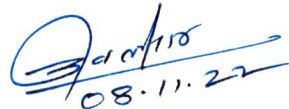
(Letter of Acceptance)

Sub: Construction of Rail level Platforms of ShankarpurBhadaura,Sursarai Jhara, Bharsendi and RCC Toe walls ,RCC Drains and ancillary works like small PF shed, water booth ,toilet block etc. on Platform from Marwasgram to Gondawali in connection with Katni-Singrauli Rail Doubling Project under W.C.R(M.P) (Pkg-5).

- (i) Tender No: IRCON/2065/KSDP/Tender/ Bal.PF. / MWJ-GNDI/Pkg-05/ 114 Date: 23.08.2022.
- (ii) Bid opened on 02.09.2022
- (iii) Negotiations meeting dtd 01.11.2022.
- (iv) Revised offer of M/s Laxyo Energy Ltd. Dated 01.11.2022.

Your offer for the work of "Construction of Rail level Platforms of ShankarpurBhadaura,Sursarai Jhara, Bharsendi and RCC Toe walls ,RCC Drains and ancillary works like small PF shed, water booth ,toilet block etc. on Platform from Marwasgram to Gondawali in connection with Katni-Singrauli Rail Doubling Project under W.C.R(M.P) (Pkg-5) submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs. 18,55,24,227/- (Rupees Eighteen Crore Fifty Five Lakhs Twenty Four Thousand Two Hundred Twenty Seven only) i.e. 17.47 % above the estimated cost of work (Rs 15,79,33,283.00) including GST @ 18% 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 7.1 (i) of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) in the form irrevocable bank guarantee in


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favor of IRCON International, Katni on the Performa annexed as Annexure-X (from any Scheduled Bank for an amount of 3% (Three percent) of the contract value, i.e., Rs. 55,65,727/- (Rupees Fifty-Five Lakhs Sixty-Five Thousand Seven Hundred Twenty-Seven only).

2. The entire work is required to be completed within **13 (Thirteen) 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 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


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Contract Agreement. This Letter of Acceptance, along with your submitted offer, shall constitute a binding Contract between you and Ircan 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,
Ircan 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



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(Akhilesh Sahu)
CGM/PH

Copy to:

- (i) CGM/Works/CO/ New Delhi.
- (ii) AGM/Civil-I & AGM/Civil-II for information & necessary action please.
- (iii) AGM/Fin & JGM/Fin for information please.

IRCON INTERNATIONAL LIMITED

Katni - Singrauli Rail line Doubling project

Name of Work -Construction of Rail level Platforms of Shankarpur Bhadaura,Sursarai Jhara, Bharsendi and RCC Toe walls ,RCC Drains and ancillary works like small PF shed, water booth ,toilet block etc. on Platform from Marwasgram to Gondawali in connection with Katni-Singrauli Rail Doubling Project under W.C.R(M.P) (Pkg-5).

Bill of Quantity (BOQ)

S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
Schedule-I					
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in- charge				
	All kinds of soils	cum	165.37	32622.11	5,394,718.33
2	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	204.41	8559.61	1,749,669.88
3	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth,sides of foundation etc. complete	cum	296.73	45330.00	13,450,770.90

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S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	1739.62	831.00	1,445,624.22
5	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	5.95	25500.00	151,725.00
6	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	cum	16.54	35750.00	591,305.00
7	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	5369.07	2763.00	14,834,740.41
8	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5500.4	623.25	3,428,124.30
9	Centering and shuttering including strutting, propping etc. and removal of form for				
	Foundations, footings, bases of columns.etc for mass concrete	Sqm	247.87	24021.60	5,954,233.99
	Suspended floors, roofs, landings, balconies and access platform	Sqm	617.01	572.00	352,929.72
	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	489.68	612.37	299,865.34
	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	647.37	413.16	267,467.39
	Weather shade, Chajjas, corbels etc., including edges	Sqm	655.97	173.80	114,007.59
	Edges of slabs and breaks in floors and walls				
	Above 20 cm wide	Sqm	621.48	446.18	277,294.43
	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	538.94	13090.00	7,054,724.60

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Anurag

S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
10	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	All works upto Plinth level				
	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	6437.25	2525.42	16,256,740.58
11	All works above plinth level upto floor V level				
	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	8113.8	1423.00	11,545,937.40
12	Add for using extra cement in the items of design mix over and above the specified cement content there in	Qtl	554.16	1296.09	718,242.62
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	72.16	311482.16	22,476,552.67
13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
	cement mortar 1:3(1 cement : 4 coarse sand	Sqm	694.58	2.40	1,665.60
14	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6593.1	490.00	3,230,619.00

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S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
15	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	856.01	2213.60	1,894,863.74
16	Float glass panes				
	4 mm thick glass pane (weight not less than 10kg/sqm).	sqm	1527.03	82.50	125,979.98
17	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	SQM	1622.54	110.00	178,479.40
18	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete				
	300X16	Each	209.52	55.00	11,523.60
19	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete				
	300x10 mm	Each	94.7	110.00	10,417.00
20	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete				




S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
	125 MM	Each	48.33	110.00	5,316.30
21	Steel work welded in built up sections/ framed work, including cutting,hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets,gates and similar works	Kg	114.54	990.00	113,394.60
22	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 , stainlesssteel bolts etc., of required size, on the top of the floor or the side ofwaist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel membersshall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	Kg	492.82	1375.00	677,627.50




S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
23	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Sqm	227	2420.00	549,340.00
24	Applying priming coat:				
25	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	44.67	275.00	12,284.25
	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
26	Two or more coats on new work	Sqm	110.97	2420.00	268,547.40
27	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :or Grey primer of approved brand and manufacture on wood work (hard and soft wood				
	Two or more coats on new work	Sqm	105.81	165.00	17,458.65
28	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	99.69	2420.00	241,249.80
29	Providing and laying matt finished vitrified tile of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS:15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	Sqm	1006.76	1100.00	1,107,436.00
30	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				




S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4653.58	22.00	102,378.76
31	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
	W.C. pan with ISI marked white solid plastic seat and lid	Each	5587.25	33.00	184,379.25
32	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :				
	Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern	Each	14928.57	154.00	2,298,999.78
33	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	2542.53	154.00	391,549.62

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S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
34	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	per litre	7.81	22000.00	171,820.00
35	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	15 mm nominal bore	Each	349.50	110.00	38,445.00
36	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
	15 mm nominal bore	Each	478.74	55.00	26,330.70
37	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:(a)after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b)laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c)third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound@ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This willbe allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm onparapet wall and tucked into groove in parapet all around.(d)fourth and final layer of brick tiling with cement mortar (whichwill be paid for separately.For the purpose of measurement the entire treated surface will be measured.	Sqm	471.33	220	103,692.60

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S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
38	:Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG	74.90	180880	13,547,912.00
39	Providing and fixing precoated 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	540.55	10640	5,751,452.00
40	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete :				
	Ridges plain (500 - 600mm)	mtr	362.71	1520.00	551,319.20
Total Amount of Schedule I					137979156.100

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S.No	Description of items	Unit	Rate including 18% GST (In Rs.)	Quantity	Amount (In Rs)
Schedule-II					
1	Manufacturing, supplying & fixing of pr-fabricated RCC coping stone of size 530mm x 1125mm x 100mm thick as per top face designed and approved by site Engineer with M-30 grade RCC with 8 mm dia. tor steel at 150mm c/c both ways and manufactured by vibro compaction process using jointless FRP/GRP steel moulds of required size, shape & design. The item includes cost of cement, reinforcement, transportation etc. (Note : Under layer of cement mortar to be laid as per site conditions & should be paid for separately)	Each	756.06	4857	3672183.42
2	Moorum flooring 10 cm thick (consolidated depth) including watering and ramming with contractor's Moorum	sqm	145.53	29983.75	4,363,535.14
3	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I.				
(a)	Tata sumo,Bolero.scorpio or similar SUV 3000 Kin ome month & extra will be payable in 3(b)	Vehicle Month	68252.79	18.00	1,228,550.22
(b)	Extra and over -3(a)	km	17.16	9000.00	154,440.00
SCHEDULE-III (Unforeseen Item)					Total Amount of Schedule -II
					9,418,708.78
Schedule-III Any Unforeseen Items of Delhi Schedule of Rate -2021					
Total schedule (-I+II+III) in cluding GST @ 18% in Rs					10,535,418
Negotiated offer @ 17.47% above estimated Cost in Rs					157,933,283
Total Value of Negotiated offer in Rs					27,590,944.54
					185,524,227.00

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