



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/Strenth./Br.App& Protestation/120/77 Date 25.01.2023

M/s Steadfast Infratech,
H.No.8-3-319/1/A Behind Sarathi Studio,
YellareddyGuda, Hydreabad-500 073.
Email : sekharvelagala@gmail.com
Ph: +91-9989423333, +91-7032062599

(Letter of Acceptance)

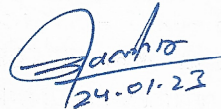
Sub: Strengthening of Bridge approaches by provision of Transition System, Drainage Arrangements and other protective works in connection with construction of Doubling of Railway line in between Katni-Singrauli of West Central Railway.

Ref:

- (i) NIT No: IRCON/2065/KSDP/Tender/Strenth./Br.App& Protestation/120 dtd. 07.01.2023.
- (ii) Bid opened on 17.01.2023.

Your offer for the work of "Strengthening of Bridge approaches by provision of Transition System, Drainage Arrangements and other protective works in connection with construction of Doubling of Railway line in between Katni-Singrauli of 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 18,41,82,869 (Rupees Eighteen Crore Forty One Lakhs Eighty Two Thousand Eight Hundred Sixty Nine 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.

- I. 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 3% (Three

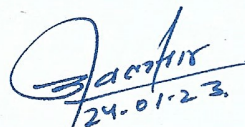

24.01.23

Page 1 of 3



percent) of the contract value, i.e., Rs 55,25,487 /- (Rupees Fifty Five Lakhs Twenty Five Thousand Four Hundred Eighty Seven only).

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 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,


24.01.23.

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.

For & on behalf of
IRCON International Limited



(Akhilesh Sahu)
CGM/PH

Copy to:

AGM/C-I, AGM-II, AGM/Fin/, JGM/Fin for information.

Bill of Quantity (BOQ)

Name of work:- Strenthening of bridge approaches by Provision of Transition system, drainage arrangement and other protective work in Katni-Singrauli Rail Doubling Project.

Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
Schedule A - Earthwork in Formation (USSOR-2019)						
1	011010	Earthwork in cutting (classified) in formation, trolley refuges, side drains, level crossing approaches, platforms, catch water drains, diversion of nallah & finishing to required dimension and slopes to obtain a neat appearance to standard profile inclusive of all labour, machine & materials and removing & leading all cut spoils either to make spoil dumps beyond 10m from cutting edge or for filling in embankment with leads within 2 km on either side of cutting edge, lifts, ascent, descent, loading, unloading, all taxes / royalty, clearance of site and all incidental charges, bailing & pumping out water, if required, etc. complete as per directions of the Engineer-in-Charge. The work is to be executed as per latest / updated edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow. Cut trees shall be property of Railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract. {Note - (i) All usable earth arising from cut spoils shall be led into bank formation and Unusable spoils shall be dumped / stacked (ii) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways.				
1.1	011011	In all conditions and classifications of soil except rock	cum	1305.5	185.59	₹ 242,283.74
2	111010	Removing existing ballast neatly from shoulder, crib and below sleepers under traffic so as to completely expose formation top for formation treatment / repairs and training out the same after completion of formation treatment work including dressing as per IRPWM standard profile	TM	200	620.55	₹ 124,110.89

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SI. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
3	111040	Dressing and levelling the formation top surface in cutting or embankment, removing vegetation / shrubs / any debris, duly making good the isolated undulations etc. of upto 300mm depth with Railway's blanketing material, disposal of surplus soil on slopes by spreading uniformly, rolling formation top in between or adjacent to running track with 10MT roller for 5 to 8 passes including watering while rolling to obtain uniform desired formation top, as directed by engineer in-charge Note: 1) No payment will be made for any stretch attended without prior approval of Engineer-in-charge. Prior approval of Engineer-in-charge shall be obtained for undertaking the dressing work for each stretch of formation. 2) 50% of payment will be made on dressing of formation to plane surface 3) Balance 50% of payment will be made on rolling of formation to desired number of passes	sqm	2003.75	17.37	₹ 34,798.23
4	111090	Repairing of embankment with contractor's own earth including , excavation / loading into contractor's vehicle with soil quality class SQ1 in cess / formation / level crossing, rain cuts etc. in running line to make surface to the desired level and slope to entire satisfaction of Engineer in-charge. Rate shall include sectioning to profile, all lift, descends, ascends, crossing of track / road / nallah etc. including breaking of clods etc. and compaction by rollers / rammers / tamping rods etc.	cum	200	476.99	₹ 95,398.97

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Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
5	12010	Earthwork in filling in embankment , guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth, suitable for embankment as per RDSO latest Specifications and guidelines GE: G-14 of Soil Quality Class SQ1, excavated from outside railway boundary entirely arranged by the contractor at his own cost including all leads, lifts, ascents, descents, crossing of nullahs or any other obstructions. The item shall include demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling, 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 a complete job. The payment shall be made as per finished profile and the rate shall include all costs including taxes, octroi, royalty etc. except for mechanical compaction which shall be paid extra under relevant item. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract	cum	39885.00	371.13	₹ 14,802,434.12
6	12040	Extra for mechanical compaction of soil in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes including cost of water, T&P, consumable and all labour as a complete job. The work is to be executed as per Latest edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow	cum	39885	24.44	₹ 974,866.87

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Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
7	013100	Providing and removing barricading with the help of portable fencing along running track where work is to be done in close vicinity of track. Fencing shall consist of self supporting steel angles of size 50mm x 50mm x 6mm, 1.5m long provided with hooks etc. and embedded in CC 1:2:4 block of size 0.23m x 0.23m x 0.23m placed at c/c distance of 2m along track. 12mm dia rods in three horizontal layers shall be tack welded with angle posts. {Note : Released material will be property of the contractor after completion of work. Cost of cement to be paid separately}				
7.1	013101	With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts	Metre	1400	276.97	₹ 387,756.98

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Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
8	12050	Providing of Blanketing over finished formation as per latest RDSO specifications and procedures by supplying materials of approved quality, spreading in layers not exceeding in 30cm in thickness in loose conditions and leveling by motor grader and compacting by vibro roller of required capacity upto desired degree of compaction, finishing to correct profile with all lead and lift, complete in all respect to the satisfaction of the Engineer-in Charge. Rate includes all labour, material, tools, plants, machinery, testing equipment, testing charges, taxes, Royalties, Octroi etc. and all other incidental charges including compaction. Note: (i) The work shall be carried out as per RDSO Guidelines and specifications for Design of Formation for Heavy Axle Load (Report No. RDSO/2007/GE: 0014 of November, 2009) for mechanically produced blanketing material for Railway Formation. (ii) The Quality Control tests as prescribed vide RDSO/2007/ GE:0014 with up to date ammendment shall be arranged at site by the Contractor, for which no separate payment will be made. (iii) The tenderer is requested to go through specifications of blanketing material as per GE-0014 RDSO specifications. The blanketing material is expected to be manufactured in quarry/ site with pug mill type blender from stone crushed material of required quality as per specification with the grading falling in the enveloping curve. The rate includes the CBR tests, Los Angels Abrasion test, Impact tests, Atterberg limits, Grain size analysis, MDD and all quality tests as per specifications to be carried as per the laid down frequency on blanketing material/ compacted finished blanket surface. (iv) Measurement will be made on finished profile after compaction. Cum 1730.93 MISCELLANEOUS : 013010 Dressing surface (average excavation or filling upto 15 cm) including removing vegetation in all kind of soil. Payment against this item is to be made only if it is not included in earth wor	cum	2478.00	2335.05	₹ 5,786,262.81

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Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
9	121070	Provision of barricading with contractor's bamboos / balli vertical post of 75 to 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 completely removed when no longer required by engineer in-charge. (60% payment shall be made on provision of barricading at work-site			0.00	₹ 0.00
9.1	121072	Joining with strong nylon rope in one cross and one horizontal pattern of minimum 5mm dia.	RM	1400	127.74	₹ 178,832.10
Total amount of schedule A						₹ 22,626,744.72

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SI. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
Schedule B - Bridge Work (USSOR-2019)						
10	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				
10.1	022011	All kinds of soils	Cum	954.00	235.51	224,680.41
10.2	022012	Ordinary rock	Cum	53.00	488.06	25,867.23
10.3	022014	Hard rock (blasting prohibited)	Cum	53.00	1346.61	71,370.23
11	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 :				
11.1	022032	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cum	100.00	3303.13	330,312.64
11.2	022034	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	Cum	172.70	3382.18	584,102.66

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SI. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
12	024010	Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of specified grade (Cast in Situ/Pre-cast) in bottom/top slab, side walls, toe wall and sumps haunch filling head walls or any other component using 20mm graded crushed stone aggregate and coarse sand of approved quality of RCC box of any size including finishing, Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Payment for cement, reinforcement and shuttering shall be made extra.	Cum	770.00	3668.71	2,824,910.38
13	025020	Providing and applying two coats of coal tar or bitumen conforming 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.	200.00	220.74	44,147.83
14	025030	centering and shuttering including strutting, propping etc. and removal of form for :				
14.1	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	2,850.00	813.16	2,317,509.27

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SI. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
15	025060	Supply and using Cement at Worksite				
15.1	025061	Ordinary Portland Cement 43 grade	MT	389.54	7934.41	3,090,803.36
16	025070	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
16.1	025072	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	44,400.00	112.77	5,006,816.24
17	52072	Cement sand mortar(1:1) Grout with 20%anti shrinkage compound w.r.t cement	Kg	1,004.98	554.56	557,316.90
18	051030	Supplying of stone boulders weighing not less than 35 kg each at specified bridge locations	Cum	2,572.03	1353.67	3,481,691.93
19	051060	Providing and laying Pitching with Stone Boulders, weighing not less than 35kg each with voids filled with spalls on slopes, laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical Specifications (filter media to be paid separately under the relevant item)	Cum	1,754.00	2852.17	5,002,712.50
20	051080	Providing and laying Filter Material as per RDSO Specifications underneath pitching in slopes complete as per drawing and Technical Specification	Cum	1,967.70	3735.78	7,350,894.23
21	052170	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	17,408.44	3420.99	59,554,106.49
22	052270	Providing Boulder Backing behind wing wall, return wall, retaining wall with hand packed boulders & cobbles with smaller size boulders toward the back including all lead, lift, labour & other incidental charges as complete work in all respect. Payment for boulder/cobbles will be done extra	Cum	2,572.03	612.93	1,576,472.97

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Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
23	131580	Painting of Bridge Reference / Boards, Structures etc. along track with enamel paint of approved make with different colours & letters, as directed by Engineer in-charge				
23.1	131581	Bridge Board	Each	12.00	178.87	2,146.39
23.2	131582	Bridge Tablet	Each	12.00	52.31	627.74
23.3	131585	Miscellaneous General Boards, Jurisdiction Boards, Structures etc	Sqm	10.00	300.21	3,002.15
24	211250	Filling and stacking of sand bags layer by layer filled with Railway Sand/railway quarry dust in Contractor's empty polythene cement bags of 50 kg bags with all contractors labour, tools, plants, lead .lift etc., including stitching the same with machine using polythene thread complete as directed by Engineer-in-charge at site	Each	500.00	17.17	8,585.30
25	0001	Draftsman / Surveyor	Day	365.00	1787.87	652,574.07
26	0002	P.way Supervisor	Day	365.00	1225.00	447,125.42
Total Amount of Schedule-B,						93,157,776.33

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Sl. No	Item no	Description	Unit	QTY	Rate with 18% GST	Amount in Rs including 18% GST
Schedule C- DSR-2021						
27	16.80	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer in-charge.	cum	11772.999	5038.57	59,319,124.09
Total Amount of Schedule-C,						
Schedule D -LAR						
28	LAR-1	Providing Road vehicles mentioned below for the use of Engineer/Employer... as per the condition mentioned special condition of contract-1	Vehicle/month	14	65000.00	910,000.00
	1(a)	Tata sumo,Bolero,Scorpioor similar SUV (upto 3000km in one month extra will paid in 1(b)	Km	10000	17.00	170,000.00
Total Amount of Schedule-D,						
Schedule-E						
29		Any other items of DSR2021 not covered by the items of BOQ	L.S			1,000,000.00
30		Any other items of WCR's USSOR 2019 edition with up to date correction slip not covered by the items of BOQ	L.S			2,000,000.00
Total Amount of Schedule-E						
Total Amount in Rs { SH(A+B+C+D+E) including 18% GST}						
Quoted price @ 2.79 % above estimated cost						
Total Cost including GST @ 18%						
						184,182,869

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Signature Not Verified

Digitally signed by SUNIL KUMAR MISHRA

Date: ... : IST

Location: eProcurement System for Central PSUs