



इरकॉन इंटरनेशनल लिमिटेड

(भारत सरकार का उपक्रम)

IRCON INTERNATIONAL LIMITED

इरकॉन

(A Govt. of India Undertaking)

An integrated Engineering and Construction Company

Project Office: 404&405, SNS Synergy Building, Dumas Road, Surat, Gujarat -395 007

No. IRCON/3026/MAHSR/T2/Track Linking-BLT/Pkg TL-I/1

Dated 19.01.2023

M/s Paras Railtech Private Limited,
328, U.S Complex, 120, Mathura Road,
Opp. Apollo Hospital,
New Delhi-110 076

Email: info@parasrailtech.com, sulabh@parasrailtech.com

(Letter of Acceptance)

Sub: Ballastless Track Linking over Viaduct Sections on Main Line & Loop Lines including Setting up of Track Construction Base (TCB) on Viaduct at various locations (TCB I to IV) along the alignment including Flash Butt Welding of rails in connection with Construction of High Speed Standard Gauge Double Line Ballast less Railway Track between Zaroli Village at Maharashtra-Gujarat Border (MAHSR Km. 156.600) and Vadodara (MAHSR Km. 393.700) in the State of Gujarat and the Union Territory of Dadra and Nagar Haveli of Mumbai Ahmedabad High Speed Rail (Package-MAHSR-T2) under NHSRCL.

Ref: (i) NIT No. IRCON/3026/MAHSR/T2/Track Linking-BLT/Pkg TL-I/through e procurement portal dated 04.11.2022

(ii) Bid submitted through e procurement Portal on 15.12.2022

Sir's,

We are pleased to inform you that the Competent Authority has accepted your offer submitted through e procurement portal on 15.12.2022 for the total value of work in **INR 40,01,99,742.84 including 18% GST** (INR Forty Crore One Lac Ninety Nine Thousand Seven Hundred Forty Two and paise Eighty Four Only) as per the enclosed BOQ (**Annexure-I**) and Technical Speciation's, Drawings, Terms and Conditions given in the tender.

Work shall be completed within a period of 35 Months as per the Milestone targets given under Clause 7.6 of SCC. Defect Liability Period shall be 24 Months from the date of Commissioning of Track as per Clause 17.0 of SCC.

An Unconditional Performance Security shall be submitted from any Scheduled Bank in the form of irrevocable Bank Guarantee @3% of Sub-Contract Value in the Proforma enclosed (**Annexure-I**) within 21 days of issue of Letter of Acceptance (LOA) but before signing of Contract Agreement. PBG shall be valid up to 60 days beyond the stipulated date of Completion.

Earnest Money Submitted by you in the form of BG shall be dealt as per Clause 9.3 of ITT.

(12)

पंजीकृत कार्यालय -स : 4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली -110017, भारत

Registered. Office : C-4, District Centre, Saket, New Delhi - 110017, INDIA

Tel. : +91-11-29565666 Fax : +91-11-26854000, 26522000 | Email : info@ircon.org Web : www.ircon.org

CIN : L45203DL1976GOI008171



You are requested to submit the CV's of Key Personnel as per Clause 15.1 of SCC in the enclosed format for approval of IRCON. Further, it is also requested to submit the List of Manpower along with CV's in the enclosed format required to be deputed for Training as per Clause 16.0 of SCC.

Work Program in the form of Bar Chart along with Work execution methodology shall be submitted within 15 days for the approval of Engineer/IRCON.

Please proceed with necessary preliminary arrangements required for execution of works.

This LOA is issued in duplicate. Original shall be retained by you and the Duplicate copy shall be returned duly signed & stamped in token of unconditional acceptance of this LOA.

Detailed Contract Agreement shall be signed within 07 days of submission of PBG (i.e., within 28 days from the date of issue of LOA).

This LOA shall remain valid till the detailed Contract Agreement is signed.

Thanking you,
For & On behalf of,
Ircon International Limited


(Arun V Vernekar) 19.01.23
General Manager/Civil

Encl: Annexure-I BOQ
Annexure-II (PBG Proforma, 02 Pages)

Copy: (i) CGM/CO, Delhi for information
(ii) CGM/PH/Surat, for information
(iii) DGM/Finance, for information & na

(2/2)

Name of Work: Ballastless Track Linking over Viaduct Sections on Main Line & Loop Lines including Setting up of Track Construction Base (TCB) on Viaduct at various locations (TCB I to IV) along the alignment including Flash Butt Welding of rails in connection with Construction of High Speed Standard Gauge Double Line Ballast less Railway Track between Zaroli Village at Maharashtra-Gujarat Border (MAHSR Km. 156.600) and Vadodara (MAHSR Km. 393.700) in the State of Gujarat and the Union Territory of Dadra and Nagar Haveli of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2) under NHSRCL

Bill of Quantity

Sl. No.	Item Description	Quantity	Units	Basic Rate Rs.	Rate Inclusive of Taxes (GST @ 18%)	Total Amount Inclusive of Taxes (GST @ 18%)
1	Schedule : Track Linking					
1.1	Setting up of TCB on Viaduct and Carrying out Primary Welding of Rails					
1.2	Setting up of TCB on Viaduct as per approved drawings & Specifications duly Fabricating & Erection of 12 Nos of 1.5T Gantries having Chain Pulley & Sling arrangement , motorised & Synchronised operation of all gantries. Gantry shall be mounted on Rail Track (Rails shall be Supplied by IRCON at Anchali Depot, DFCCIL or nearby Store) duly loading, transporting & lifting on to viaduct, fabrication works and fixing over concrete pedestals/wooden supports etc., Providing & erecting 04 No of 1.5T gantries behind Flash Butt Welding Machine location on Viaduct as per Drawings & Specifications with fixing arrangements. Providing & installation of Conveyor roller arrangement for movement of Rail panels both 25m & 200m welded panels as per approved Drawings & Specifications. Taking delivery of 02 Nos of Crossovers (1:12 or 1:18 or 1:9 type) from IRCON Store/TCB on Ground, transportation, loading, lifting on Viaduct and fixing on both sides of TCB with all temporary supports, fixing operating handle etc., complete and making it operational. Fixing of 1435mm Gauge Temporary Track with 200m Welded/Jointed Panels on One side of TCB duly lifting of Welded panels, shifting with Gantry, fixing with temporary spacers & clamps, fixing gauges as per approved drawings & specifications, drilling holes in RC Bed Concrete, clamping at Rail joints to ensure continuous track and its maintainance during TCB working with all Contractors Labor, Machinery, Tools & Tackles, Equipments, Fuel, Lead & Lift, ancillary works, etc., complete as directed by IRCON. NOTE: Arrangement for setting up of 04 TCB's at a time shall be made based on the Access provided by Client. Contractor may take away the TCB materials arranged by him after completion of works and shall be his property.	4.00	Per TCB	2,07,00,925.00	2,44,27,091.50	9,77,08,366.00
1.3	Lifting of 25m JIS 60 Kg Rails from Stacks at TCB Locations (on Ground) using Spreader Bar & Suitable capacity Cranes, Transportation of Rails from Storage Yard/TCB using 80 Feet long Trailers, Lifting on to Viaduct at various TCB Locations using Suitable Cranes up to a height of 15m from Ground to Girder Top , handling of Rails for meeting Flash Butt Welding of Rails, Providing & arranging Rail Stacking bed on Viaduct, unloading of Rails on Viaduct behind FBW Machine taking all precautions with Contractors own Machinery, supports, labour, tools & tackles, fuel, ropes, slings, Spreader bar of suitable length, rail clamps, taking safety measures, local taxes etc., complete., and as directed by IRCON. Note: The above item includes a free lead of upto 1.0 Km.	25536.00	MT	1,193.00	1,407.74	3,59,48,048.64
1.4	Dismantling of the TCB on Viaduct including Gantry arrangements, Conveyor system, temporary turnouts, Rail bed etc., at one location on completion of the welding at that location, taking down the materials & loading of the Welding Plant, Materials in trailers/truck, transportation of the same to the next location of TCB and installation of the Welding plant and All arrangements on the TCB anywhere along the alignment between Vapi to Vadodara, and setting up of the TCB at the next location of the Welding plant, including all the labour, tools , tackles, taxes, duties etc, complete., and as directed by IRCON. Note: Average distance of shifting to be taken as 130 Kms	2.00	Per TCB	52,67,978.00	62,16,214.04	1,24,32,428.08
1.5	Dismantling of the TCB on Viaduct including Gantry arrangements, Conveyor system, temporary turnouts, Rail bed etc., on completion of the welding at that location, taking down the materials & loading of the Welding Plant, Materials in trailers/truck, transportation of the same to store/yard located nearby, including all the labour, tools , tackles, taxes, duties etc. complete., and as directed by IRCON. Note: Average distance of shifting to be taken as 50 Kms	2.00	Per TCB	35,11,985.00	41,44,142.30	82,88,284.60
1.6	Carrying out Primary flash butt welding of 25m long JIS Grade 60 Kg Rails with IRCON's welding plant at various locations on TCB over Viaduct along the alignment including shifting of the rails from rail stack on Viaduct to the rail bed including operation, maintenance , pre-grinding of rail ends, feeding of the rail to the welding plant, carrying out welding to form 200m Panels, grinding of welds as per requirement (Rough Grindings & Final Grindings in 04 Stages) with contractors own suitable grinder/disc/stones etc of approved make, handling the panels using Conveyor arrangement and Gantries, concurrent pulling and side shifting of welded rail panels, final profile grinding, making lighting and power arrangement by deploying sound proof electric generators, USFD testing of joints, making test weld joints, providing assistance to IRCON in loading and unloading of test piece in IRCON vehicle, Marking with Strips & Painting of weld joints as per the specification. including all the labour, tools , tackles, Fuel, materials, maintainence of machinery & equipments and approved measurement tools and gauges. All work shall be carried out as per the technical specification and detailed scope of work given in the tender documents and as directed by IRCON. Note: The daily /regular maintenance activities alongwith necessary consumables is also in the scope of this item for the machinery and equipment provided by IRCON for which no extra payment is admissible.	13440.00	Per Joint	3,518.00	4,151.24	5,57,92,665.60


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Bill of Quantity

Sl. No.	Item Description	Quantity	Units	Basic Rate Rs.	Rate Inclusive of Taxes (GST @ 18%)	Total Amount Inclusive of Taxes (GST @ 18%)
1.7	Carrying out Primary flash butt welding of 25m long JIS Grade 60 Kg Rails with Contractors Own welding plant at various locations on TCB over Viaduct along the alignment including shifting of the rails from rail stack on Viaduct to the rail bed including operation, maintenance , pre-grinding of rail ends, feeding of the rail to the welding plant, carrying out welding to form 200m Panels, grinding of welds as per requirement with contractors own suitable grinder/disc/stones etc of approved make, handling the panels using Conveyor arrangement and Gantries, concurrent pulling and side shifting of welded rail panels, final profile grinding, making lighting and power arrangement by deploying sound proof electric generators, USFD testing of joints, making test weld joints, providing assistance to IRCON in loading and unloading of test piece in IRCON vehicle, Marking/Fixing Strips & Painting of weld joints as per the specification, including all the labour, tools , tackles, Fuel, materials, maintenance of machinery & equipments and approved measurement tools and gauges. All work shall be carried out as per the technical specification and detailed scope of work given in the tender documents and as directed by IRCON. FBW Machine shall be suitable and approved by Engineer prior to carrying out the work.	3360.00	Per Joint	5,276.00	6,225.68	2,09,18,284.80
2	Laying Temporary Track, Final Track, Secondary Welding & Destressing of Rails					
2.1	Supplying and Fixing of 1435mm gauge Supports for laying of Temporary Track on RC Bed by providing Rail clamps @ 2.5m c/c and providing Gauge strips @ 5m c/c, providing wooden planks/ chinks as per approved drawings and Specifications, drilling & fixing bolts and removing the same before track slab laying , cutting/ removing the bolts as per approved method before fixing of Track Slabs , shifting of all materials from one TCB to other, Refixing & Removal with all Contractors materials. tools, tackles, drilling machines, generator, fuel etc., complete., and as directed by IRCON. Note:1. Contractor may take away the temporary track materials arranged by him after completion of works and shall be his property. 2. Fixing of track slab is in the scope of other agency for which proper interface with other agency is required.	210000.00	Track Mtr	306.00	361.08	7,58,26,800.00
2.2	Handling of 200m Welded Rail Panels from Stack on Viaduct, Lifting & Placing of 10 Nos , 200m long Panels on Rail Feeder Car Set (Issued by IRCON) using Gantry arrangements, Operation of Rail Feeder Car with all Manpower & Fuel, its maintenance. operation of temporary Turnouts for machinery movement, laying of Temporary Track (using Rollers, Wooden supports and fixing with all Clamps, gauge strips etc by operating item 3(a) above) , providing Fish Plates /Clamps at Panel joints as per approved drawings, specifications and methods , maintaining the Track gauge till completion of work with all Contractors materials, fuel, operators, helpers, maintenance, tools & tackles etc., complete and as directed by IRCON to the full satisfaction of Engineer.Note: The daily /regular maintenance activities alongwith necessary consumables is also in the scope of this item for the machinery and equipment provided by IRCON for which no extra payment is admissible.	210000.00	Track Mtr	149.00	175.82	3,69,22,200.00
2.3	Fixing Base Plates on the Track Slabs before lifting it by the Slab Track laying Contractor duly interfacing with the Track Slab laying Contractor, fixing of remaining Track fastenings & Rail Turnover Prevention device on Track slab over Viaduct as per Drawings & Specifications after placing the Slabs on RC Bed by Track Slab laying Contractor with Contractors own Machinery, labor, tools & tackles, equipments, fuel, trolley, miscellaneous arrangements etc., complete and as directed by IRCON. This item includes scope of taking delivery of Track Fastenings & Rail Turnover Prevention device from IRCON's store near Depot/TCB, assembling them at TCB on Ground/ on viaduct as per requirement.	210000.00	Track Mtr	60.00	70.80	1,48,68,000.00
2.4	Handling of 200m long Rail Panels on the viaduct and placing it over the Track Slabs fixed on RC Bed and fixing Rail Panels with all Fastenings, Rail Turnover Prevention Device, making it a continuous Track , aligning the Rails to required Gauge and Cantt & Profile etc., as per Drawing & Specifications and approved methods , Bolt tightening for Fastenings & Rail Prevention device using the Machine provided by IRCON with all Frames/Gantries, including Electric power, Generator, Rollers, Manpower/Labor, Fuel, all Lead & Lifts, lighting if any, Loading & Unloading as per approved arrangement etc.. Complete and as directed by IRCON.	210000.00	Track Mtr	88.00	103.84	2,18,06,400.00
2.5	Secondary Welding of Rail joints to convert 200m rail panels into 1 Km Continuously Welded Rails (CWR), using Flash Butt Welding Machine & RRV issued by IRCON , Operation of Machineries, releasing of fastening for making free rail Panels and preparing them for the conversion into CWR by making ontrack Welding as per required Technical Specifications, drawings and approved methods , grinding the joints to the required Profile (passing through all 4 stages) with all Equipments, Tools & Tackles, Labor, Fuel, grinding machines, stones etc., complete and as per the directions of IRCON. Lifting of Flush Butt Welding Machine , RRV and required tools/tackles from Ground TCB to Viaduct is included in the scope of this item.	2100.00	Per Weld Join	1,015.00	1,197.70	25,15,170.00
2.6	Destressing of CWR track as per approved methodology using Rail tensor at destressing temperature duly releasing the fastening to make free rail CWR panels, keeping them on rollers, moving the Rails & gently tapping with wooden hammers, cutting the extra length of Rails, grinding the sides and making them ready for Arc Welding to be carried out by IRCON, fixing the Track with all Fastenings etc., complete and aligning the Track to required Final Profile with Contractors all Materials, Machinery, Tools & Tackles, Labor, Rollers, Hammers, Cutting disks, generator, fuel., etc., complete and as directed by IRCON.All the released material i.e. Rails etc shall be handed over to IRCON at designated store/ depots. This item also includes scope for achieving final track parameters as per approved drawings, specifications and methods. During this operation, adjustable pads will be provided , inserted and grouted by another agency to achieve final levels for which interfacing is required with another agency, however, primary responsibility for achieving final track parameters will be in the scope of this item. All the released Material i.e. Rails etc shall be handed over to IRCON at designated store/ depots.	210000.00	Track Mtr	100.00	118.00	2,47,80,000.00


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Bill of Quantity

Sl. No.	Item Description	Quantity	Units	Basic Rate Rs.	Rate Inclusive of Taxes (GST @ 18%)	Total Amount Inclusive of Taxes (GST @ 18%)
3	Fixing of Turnouts, Crossovers , Expansion Joints nad Insulated Joint.					
3.1	Laying of Turnouts (all types) with Synthetic Sleepers & Fastenings etc as per approved drawings, specifications and methods ., complete by taking delivery from IRCON's Store / Depot/TCB, lifting the same to viaduct and leading to the specified locations , assembling the same , marking on RC Bed and fixing the same alongwith the Synthetic Sleepers & Track Fastenings, Grouting with Synthetic Resin below Sleepers using necessary equipments, carrying out Survey to make it to line and level to achieve final desired track parameters complete with Contractors own Machinery, labor, tools & tackles, equipments, fuel, trolley, miscellaneous arrangements etc., complete and as directed by IRCON. Note: Complete Turnouts assembly set, Synthetic Resin & Bags shall be provided by IRCON at Store/Depot/TCB.	10.00	Set	7,00,000.00	8,26,000.00	82,60,000.00
3.2	Laying of Crossover (all types) including lead portion with Synthetic Sleepers & Fastenings etc as per approved drawings, specifications and methods ., complete by taking delivery from IRCON's Store / Depot/TCB, lifting the same to viaduct and leading to the specified locations , assembling the same , marking on RC Bed and fixing the same alongwith the Synthetic Sleepers & Track Fastenings, Grouting with Synthetic Resin below Sleepers using necessary equipments, carrying out Survey to make it to line and level to achieve final desired track parameters complete with Contractors own Machinery, labor, tools & tackles, equipments, fuel, trolley, miscellaneous arrangements etc., complete and as directed by IRCON. Note: Complete Crossover assembly set including lead portion , Synthetic Resin & Bags shall be provided by IRCON at Store/Depot/TCB.	4.00	Set	14,00,000.00	16,52,000.00	66,08,000.00
3.3	Laying of Expansion Joints (all types) with Synthetic Sleepers & Fastenings etc as per approved drawings, specifications and methods ., complete by taking delivery from IRCON's Store / Depot/TCB, lifting the same to viaduct and leading to the specified locations , assembling the same , marking on RC Bed and fixing the same alongwith the Synthetic Sleepers, Grouting with Synthetic Resin below Sleepers using necessary equipments, carrying out Survey to make it to line and level to achieve final desired track parameters complete with Contractors own Machinery, labor, tools & tackles, equipments, fuel, trolley, miscellaneous arrangements etc., complete and as directed by IRCON. Note: Complete Expansion Joint , Synthetic Resin & Bags shall be provided by IRCON at Store/Depot/TCB.	30.00	Set	3,30,210.00	3,89,647.80	1,16,89,434.00
3.4	Laying/ insertion of Insulated Joints into the track at specified locations by cutting the existing Rails on the track and making all arrangemnet/ facilitating for Arc Welding to be done by IRCON. This includes taking delivery from IRCON's store / Depot/TCB, lifting them over Viaduct and leading to Various specified locations with Contractors own Machinery, labor, tools & tackles, equipments, fuel, trolley, miscellaneous arrangements etc., complete and as directed by IRCON. All the released material i.e. Rails etc shall be handed over to IRCON at designated store/ depots. One Set of Insulated joint consists of two Nos of single insulated joints to be used one each in left and right rail.	48.00	Set	10,000.00	11,800.00	5,66,400.00
3.5	Vadodara Training Institute: Fixing of 01 No Turnout T60S-1 in 18 with movable crossing (Solid bed track with synthetic sleepers) and 01 Set of Expansion Joint as per approved Drawings & Specifications etc ., complete by taking delivery from IRCON's Store / Depot/TCB, carrying the same , assembling the components , marking on RC Bed and fixing the same alongwith the Synthetic Sleepers & Track fastenings, Grouting with Synthetic Resin below Sleepers using necessary equipments, carrying out Survey to make it to line and level to achieve final desired track parameters complete with Contractors own Machinery, labor, tools & tackles, equipments, fuel, trolley, miscellaneous arrangements etc., complete and as directed by IRCON. Note: Complete Turnouts assembly & EJ set, Synthetic Resin & Bags shall be provided by IRCON at Store/Depot/TCB.	1.00	Set	1,12,04,683.00	1,32,21,525.94	1,32,21,525.94
Total value incl. of Taxes (in Figures)						44,81,52,007.66
Quoted Rate (Above (+) / below (-))			Less (-)	10.70%		4,79,52,264.82
Total contract value incl. of Taxes (in Figures)						40,01,99,742.84
Total contract value incl. of Taxes (in Words): INR Fourty Crore One Lakh Ninety Nine Thousand Seven Hudred Fourty Two Rupees and Eighty Four Paise Only/-)						


 19.01.23

GENERAL CONDITIONS OF CONTRACT

Annexure - H

(to be executed on a non-judicial stamp paper of ₹100/- only)

PERFORMANCE BANK GUARANTEE (UNCONDITIONAL)

To
IRCON INTERNATIONAL LIMITED,

[Acting through _____ (Project
Incharge) & Address of the Project]

WHEREAS _____ [name and address of Contractor]
(hereinafter called "the Contractor") has undertaken, in
pursuance of Contract No. _____ dated _____
to execute the work of "_____
_____." (hereinafter called "the Contract.");

AND WHEREAS it has been stipulated by you in the said Contract
that the Contractor shall furnish you with a Bank Guarantee by
a scheduled bank for the sum specified therein as performance
security for compliance with his obligations in accordance
with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank
Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and
responsible to you, on behalf of the Contractor, up to a total
of _____ [amount of Guarantee],
[amount in
words], such sum being payable in the types and proportions of
currencies in which the Contract Price is payable, and we
unconditionally agree and undertake to pay you, without any
demur or protest, at once, upon your first written demand and
without cavil or argument, any sum or sums within the limits
of _____ [amount of Guarantee] as mentioned in
demand letter, without requiring you to prove or to show
grounds or reasons for your such demand for the sum specified
therein, in the first letter of invocation.

We hereby waive the necessity of your demanding the said
amount under bank guarantee from the Contractor before
presenting us with the demand.

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GENERAL CONDITIONS OF CONTRACT

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid upto _____ (a date 60 days from the date of completion of the work).

We, the _____ Bank further agree that this guarantee shall be invokable at our place of business at New Delhi/NCR/Project HQ (Indicate detail address of branch with Code No.)*. The branch at New Delhi/NCR/Project HQ is being advised accordingly.

This Bank Guarantee shall be operative only if it is accompanied by a separate advice sent by _____ (Name of Issuing Bank, with address) on _____ (Name of Employer's Bank, with address) IFS Code _____ through Structured Financial Messaging System (SFMS) and authenticated by the Employer's Bank.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank: _____
Address: _____
Date: _____

*The Bank should indicate detailed address of New Delhi/NCR/Project HQ branch along with its Code No.

