



इरकॉन इन्टरनेशनल लिमिटेड



(भारत सरकार का उपक्रम)

छत्तीसगढ़ रेल परियोजना

IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)

An Integrated Engineering and Construction Company

CHHATTISGARH RAIL PROJECT

No: IRCON/2059/CGRP/e-TENDER/22-23/CERL/BSP-55/13486

Dated: 07.12.2022

To

M/s MNEC Consultants Pvt. Ltd.,

1st Floor, Pratibha Sanul, Besides alankar Cinema,

Dharampeth, Nagpur, Maharastra, PIN-440010

Mobile No. – 0712-2542261

Email Id: mnnilawar@gmail.com

(Letter of Acceptance)

Sub: Modification/Preparation of Single Line BG Track Alignment Design & ESPs and Conducting Detailed Topography & Hydrology survey between Ch. 0.000-Ch.62.000 (including double track from Ch.1.400 to 2.300) and Flyover Line from Km 0.000 to Km 6.900 in connection with Construction of New BG Electrified Single Rail Line from Dharamjaigarh to Uрга in the State of Chhattisgarh over South East Central Railway. - **Letter of Acceptance**

Ref: i. NIT No: -IRCON/2059/CGRP/e-TENDER/22-23/CERL/BSP-55 Dated:14.10.2022

ii. Corrigendum: 01 dated 20.10.2022, Corrigendum 02 dated 31.10.2022

iii. Technical Bid Opened on 05.11.2022 and financial bid opened on 28.11.2022

With reference to the above, this is to inform you that your offer for the subject work has been accepted by Competent Authority for and on behalf of IRCON International Limited for a sum of **Rs. 33,82,427.52/- (Rupees Thirty-Three Lakh Eighty-Two Thousand Four Hundred Twenty-Seven rupees and fifty-Two Paise only) including all taxes, duties etc.** The summary of BOQ accepted by the Competent Authority is enclosed herewith as **Annexure-I**.

The important terms and conditions of the above tender is mentioned in brief below, however the clauses as mentioned in the tender document shall be final and binding.

1.0 Performance Security

1.1 In term of SCC clause no. 13.0, you are requested to submit performance security within 21 (twenty-one) days from the date of issue of letter of acceptance (LOA) in the form of irrevocable bank guarantee on the Performa annexed as **Annexure-II** for an amount of **Rs 1,01,473/- (Rupees One Lakh One Thousand Four Hundred Seventy Three Rupees only) @ 3% (Three percent)** of the derived contract value from any scheduled bank having validity initially up to 60 days beyond the stipulated date of completion i.e. 06.04.2023 (05.02.2023 + 60 days).

2.0 Completion Period and Programme Submission.

2.1 In term of SCC clause no. 10.0, completion period of the work is **60 (Sixteen) Days** from the date of issue of letter of acceptance including monsoon period i.e. **up to 05.02.2023**.

2.2 Deployment programme of manpower as per Clause no. 14 of SCC.

3.0 Variation in Quantity:

In term of SCC Clause no. 19.0, variation in quantities shall be dealt as per Clause 58 and 59 of general condition of contract.

प्रथम तल, नार्थ एवेन्यू, तखतपुर रोड, उसलापुर
बिलासपुर (छ.ग.) 495001
1st Floor, North Avenue, Takhatpur Road
Uslapur, Bilaspur- 495001 Fax : 07752-261959

रजि. कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली-110017, भारत
Regd. Office : C-4, District Centre, Saket, New Delhi-110017 INDIA
Tel. : +91-1129565666 Fax : 91-11-26854000, 26522000
E-mail : info@ircon.org Web : www.ircon.org

CIN-L45203DL1976GOI008171



4.0 Insurance:

In term of SCC clause no. 12.0, before commencement of works, you are requested to obtain insurance cover as per the details provided in the clause.

5.0 Contract Agreement:

In term of SCC clause no. 15.0, you have to attend the office of Project Director/CGRP, IRCON Project Office, Bilaspur, Chhattisgarh for signing of contract agreement within 28 days of the issue of LOA. Format of contract agreement is enclosed as **Annexure-III**. The stamp papers of the requisite value as per the prevailing laws shall be provided by the contractor at his own cost. Original agreement shall be retained by the Employer/ Engineer and a certified copy shall be made available to the contractor.

6.0 Security Deposit/ Retention Money/EMD.

Retention money will be recovered from on account/final bills as per clause no. 13.2 of Special Condition of contract and 8.2 of GCC.

7.0 You are advised to mobilize the resources to commence the work immediately. Please contact the project office, address-IRCON INTERNATIONAL LIMITED, 1st Floor, North Avenue, Takhatpur Road, Uslapur, Bilaspur, Chhattisgarh-495001 or **the undersigned for further instructions.**

8.0 Conditions mentioned above in this LOA are a brief reference of the terms of tender document. Detailed terms & conditions shall be as per NIT, Tender document & corrigendum, which shall be an integral part of this contract and shall be binding on you.

8.1 Priority of document shall be as per clause No. 1.0 of SCC.

9.0 This letter of acceptance, along with your submitted offer, shall constitute a binding contract between **M/s MNEC Consultants Pvt. Ltd. and Ircon International Limited**, till a formal agreement is drawn and executed.

10.0 You are requested for registration and updation on Indian Railway Shramik Kalyan portal.

11.0 You are also advised to visit the office of undersigned for relevant form for Labor License for this work (If Applicable).

12.0 This letter is being issued in duplicate. You are requested to return one copy of this letter of acceptance duly accepted, signed & stamped on each page by your authorized representative.

13.0 You are requested to commence the work immediately. The entire work shall be completed within a period of **60 Days including monsoon period** from the date of issue of this LOA i. e. **05.02.2023**. Period of the contract will be from 07.12.2022 to 05.02.2023.

Thanking you

Encl: Annexure-I (BOQ)
Annexure-II (PBG Format)
Annexure-III (Format of contract Agreement)

Yours faithfully,
For and on behalf of
Ircon international limited



(Ankush Gupta)
Project Director/CGRP

Copy for information and necessary action please:
AGM/Civil/Korba-II, AGM/Finance, JGM/Civil/P&C

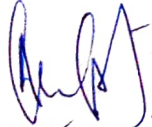
ANNEXURE-I

Name of Work: Modification/Preparation of Single Line BG Track Alignment Design & ESPs and Conducting Detailed Topography & Hydrology survey between Ch. 0.000-Ch.62.000 (including double track from Ch.1.400 to 2.300) and Flyover Line from Km 0.000 to Km 6.900 in connection with Construction of New BG Electrified Single Rail Line from Dharamjaigarh to Urga in the State of Chhattisgarh over South East Central Railway."

ABSTRACT OF BILL OF QUANTITIES

Sl.No	Schedule	Description of Schedule	Estimated cost (Rs)
1	Schedule-A	Modification/Preparation of Single Line BG Track Alignment Design & ESPs and Conducting Detailed Topography & Hydrology survey between Ch. 0.000-Ch.62.000 (including double track from Ch.1.400 to 2.300) and Flyover Line from Km 0.000 to Km 6.900 in connection with Construction of New BG Electrified Single Rail Line from Dharamjaigarh to Urga in the State of Chhattisgarh over South East Central Railway.	34,92,800.00
Total Estimated Cost (Rs.)			34,92,800.00

Rate Quoted %/Below/Above/At Par	:	-3.16% Below
Total Basic Quoted amount	:	Rs. 33,82,427.52/-
(Including GST @ 18%)	:	
Total Quoted Value	:	Rs. 33,82,427.52/- (Rupees Thirty-Three Lakh Eighty-Two Thousand Four Hundred Twenty-Seven rupees and fifty-Two Paise) including GST


 (Ankush Gupta)
 Project Director/CGRP

BILL OF QUANTITIES (BOQ) / SCHEDULE

Name of the work: - Modification/Preparation of Single Line BG Track Alignment Design & ESPs and Conducting Detailed Topography & Hydrology survey between Ch. 0.000-Ch.62.000 (including double track from Ch.1.400 to 2.300) and Flyover Line from Km 0.000 to Km 6.900 in connection with Construction of New BG Electrified Single Rail Line from Dharamjaigarh to Uрга in the State of Chhattisgarh over South East Central Railway.

Item No.	Description of Item	Unit	Quantity	Rate Incl. taxes (Rs)	Amount-Rs. (Incl. taxes)
1	Modification/Preparation of Track Alignment Design/ ESPs as per latest Survey and available ROW				
a	Modification/Preparation of Track Alignment Plan & Profile Design/L-section as per Indian Railway codal provisions duly considering latest survey details & Validated Land Boundary (ROW) by using Power RailTrack/Open Rail alignment design software. All design (.alg/.IRD files/DGN files and .dtm files) and drawing files shall be submitted in editable format to IRCON for approval. Preparation/modification of Plan & Profile Drawings (PPD) including Curve & Cant calculations and ESPs in Auto CAD layout and to submitted to IRCON in both soft copy & hard copy format for approval.				
b	Track Alignment Plan & Profile Design/L-section shall be modified/prepared duly considering all obligatory points including junction point at Dharamjaigarh Yard & Ugra Yard, Minor & Major bridges, ROR, RUB, ROB, Elephant passage bridges, proposed NHAI road crossings (Under Bharatmala project) and ROW. Finalization of Span scheme of RUB & ROB duly taking approval from concerned Road Authority. Finalization of Span scheme of Bridges as per Hydrology reports. Preparation of detailed Track formation cross section at 20m interval for entire project corridor in Auto CAD & hard copy format for approval.	Km	68.9	10000	6,89,000.00
2	Hydrology Reports				
	Hydrological Report shall include preparation and submission of waterway calculation (Slope and velocity calculation shall be as per existing bed profile and cross section	Km	68.9	5000	3,44,500.00

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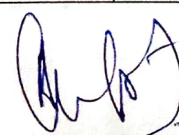
	picked in the ground topo survey across nala/stream/river), along with catchment area calculation with original size color toposheet for bridges between Km 0-62 from Dharamjaigarh to Urga (CERL-II), in connection with construction of Chhattisgarh East Rail Corridor. Review of opening sizes of Bridges as per hydrology report and proposing suitable opening sizes of Bridges as per latest Railway guidelines.				
3	Ground Topo Survey				
a	Primary Control Points: Setting up of Primary Control Point (PCP) by triangulation network on permanent structure/ or on painted pillar of size 300 x 300 x 600 mm embedded in concrete (including supply, installation of RCC Pillars) in a uniform UTM coordinate system and WGS-84 datum for the entire project section. The PCP will be a Known DGPS Control Point with 24 hours or 72 Hours static observation. If any known PCP/SOI BM is available in the district, the same will be utilized for survey. Collection of network data and it processing. Calculation of Easting and Northing for control points based on UTM projections and WGS-84 datum. The accuracy of survey work shall be within permissible limits as followed in Railway works. [Two points at Urga, Two points @25 Km & One point at Dharamjaigarh].	Nos	5	20000.00	1,00,000.00
b	Secondary Control Points: Establishing pair of primary planimetric control points with 4 Hours of Observation using differential GPS in a uniform UTM coordinate system and WGS-84 datum for the entire project section & installation painted Pillars for DGPS points of size 300 x 300 x 600 mm (precast) embedded in concrete (including supply, installation of RCC Pillars) at 5 km interval as per specification. Calculation of Easting and Northing for control points on UTM projections and WGS-84 datum. The accuracy of survey work shall be within permissible limits as followed in Railway works.	Nos	13	8000.00	1,04,000.00

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c	Traversing: Traversing in closed loop shall be completed prior to detailed survey. A closed loop traverse shall be run along the corridor from DGPS (control pillar) to DGPS (control pillar). Maximum length of each loop shall not be more than 5km. Validating existing topo survey, existing control points (BM), marking & picking boundary points by digitizing revenue maps and supply& installation boundary pillars for land corridor @ 40m pegging with RCC pillars. (of size 15 cm x 15 cm x 45 cm with 4 nos. of 8 mm dia & 6 mm plain bar stirrups and M20 grade concrete), painting boundary pillars, including traversing between DGPS control points. Traversing shall be carried out by using total station and levelling work by using Autolevel/Digital Level w.r.t nearest GTS benchmarks (established by Survey of India) in a uniform UTM coordinate system for the entire project section. The work includes installation of RCC pillar of 15 cm x15 cm x 45 cm) & painting RCC pillars (including supply, installation of RCC Pillars) so that control points (BM) available at every 200m c/c as per specification. The accuracy of survey work shall be within permissible limits as followed in Railway works.	Km	68.9	5000.00	3,44,500.00
e	Detailed Topographic survey: Validating topographic survey along proposed main line, link line, yard, stations, existing ROW pillars at site and other facilities for a width under consideration (80-100m) etc, including cross section as per specification. Including all deliverables in the required format as per specification. Detailed Ground Topo Survey shall include collection of hydrological data, marking of cross roads/Cross streams/cross river/Cross naala/cross Pipe lines/utility including details like type of road (NH/SH/MDR/VR), name of river/nala/stream along with RLs along Cross road/river/nala up to 500m either side of ROW. All survey equipment shall give precise results and the accuracy of survey work shall be within permissible limits as followed in Railway works.	Km	68.9	20000.00	13,78,000.00

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Topo Survey includes picking of (X,Y) UTM coordinates of Ground points including its RLs of ground points i.e (xyz) coordinates of existing ground at 20m interval in longitudinal direction and 5m interval at transverse direction up to ROW on both sides of proposed track for entire Project Corridor and cross sections to be provided in Auto cad & hard copy format				
At major/Important bridges survey shall be extended up to 2km on either side of bridge location. At least 10 cross sections shall be collected across the river in u/s side and D/s side, where one cross section shall be just at planned new bridge and rest shall be spread (i.e.at 0m, 50m,100m,150m,200m,300m 500m, 1000m, 1500m and 2000m from bridge center) on either side.				
At least 10 cross sections shall be picked across streams/nala/roads either side of proposed MNB/RUB/ROB/Culvert (i.e.at 0m,20m, 40m,60m,80m, 100m, 200m,300m,400m and 500m from bridge/RUB/ROB center) up to 500m from either side of structure. The width of survey along road shall be 5m beyond shoulder edges of existing Road. The width of survey along the stream/nala shall be up to the nearest ridge line on both sides of the existing stream/nala.				
Details of already constructed structures, if any, across river/stream/nala/road at nearby locations beyond ROW				
The final topo data shall be provided in (X,Y,Z) excel format. The data shall also be provided in Auto CAD drawing in different layers/poly line format/ as per the requirement of IRCON				
Sub Total of Contract Value Rs.				29,60,000.00
Add GST @ 18% or as applicable				5,32,800.00
G.Total				34,92,800.00

 7/12/22

(Ankush Gupta)
Project Director/CGRP

(To be executed on a non-judicial stamp paper of Rs 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 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 undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [amount of Guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein, in the first letter of invocation.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

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/Bilaspur (Indicate detail address of branch with Code No.)*. The branch at New Delhi/NCR/Bilaspur 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/Bilaspur branch along with its Code No.

FORM OF AGREEMENT

(To be executed on requisite value of stamp Papers)

AGREEMENT

THIS AGREEMENT made on _____ day of _____ (Month/year) between **Ircon International Limited, acting through** **(Project Head and name/address of the Project.....)** (hereinafter called "the Employer/Engineer") of the one part and

..... (name and address of the Contractor) (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer is desirous that work of

"....." should be

executed by the Contractor viz. **Contract No.** (hereinafter called "the Works", and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement:

- a) Letter of Acceptance of Tender
- b) Notice Inviting Tender
- c) Instructions to the Tenderers
- d) Appendix to Tender
- e) Form of Bid
- f) Special Conditions of the Contract
- g) General Conditions of Contract
- h) Particular Technical Specifications
- i) General Technical Specifications
- j) Relevant codes and Standards
- k) Drawings
- l) Bill of Quantities

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year first before written.

(Name, Designation and address of the authorised signatory)

Signed for and on behalf of the Contractor in the presence of:

Witness:

1.

2.

(Name, Designation and address of the authorised signatory)

Signed for and on behalf of the Employer in the presence of:

Witness:

1.

2.

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Signature Not Verified

Digitally signed by TRIPATI
MAHESHWARI
Date: 2022.12.09 16:37:47 IST
Location: eProcurement System for
Central PSUs