



इरकॉन इन्टरनेशनल लिमिटेड  
नवरत्न कम्पनी  
(भारत सरकार का उपक्रम)  
**IRCON INTERNATIONAL LIMITED**  
NAVRATNA COMPANY  
(A Govt. of India Undertaking)



No. IRCON/ELECT/5017/NELS.DD/M&P/OT/46/LOA/L6/24

Date: 09.01.2025

To,

**M/s. Kamal Automation Systems Pvt. Ltd.,**  
705, BLDG. No.-3, Navjivan Society,  
Lamington Road, Mumbai – 400 008 (Maharashtra)  
Email: [kamalautomations@gmail.com](mailto:kamalautomations@gmail.com)  
Mob.: - 98201 39643

Dear Sir,

**Sub:-** Supply, Installation, Testing and Commissioning of Machine & Plants (M&P) and Electronics Items, etc. in Connection with setting up of New Electric Loco shed (NELS) at Daund, Sholapur Division, Central Railway - **Letter of Acceptance (LOA)**

Ref.:1) e-Procurement No.: IRCON/ELECT/5017/NELS.DD/M&P/L6/OT/46 Date: 23.11.2024

2) Your e-Tender opened on 17.12.2024 and financial e-bid opened on 01.01.2025

1. The competent authority for and on behalf of Ircon International Limited has accepted your offer for a sum of Rs.54,95,453.70 (Rupees Fifty Four Lakhs Ninety Five Thousand Four Hundred Fifty Three and Seventy Paise Only) inclusive of Goods and Services Tax (GST), other taxes, duties, levies etc. (Detailed Bill of Quantities is enclosed as Annexure-A) as per Clause no.7.0 of Special Conditions of Contract (SCC).
2. You are requested to submit the following within 21 days of issue of this letter but before signing of the Agreement, whichever is earlier:
  - a. Performance guarantee for an amount of Rs.2,75,000/- (Rupees Two Lacs & Seventy Five Thousand only i.e.@ 5% of the contract value Rs.54,95,453.70) valid initially up to 08.07.2025 (i.e. stipulated date of completion plus 60 days beyond that) in the form detailed in Clause no.: 8.1 of Special Conditions of Contract (SCC).
  - b. Detail Programme for execution of Works as per Clause no.:9.0 of Special Conditions of Contract.
  - c. Signing of Contract Agreement with requisite value of stamp paper as per Clause no.: 14.0 of Special Conditions of Contract.





3. You are requested to attend office on or before 06.02.2025 for signing of the Contract Agreement (i.e. a date within 28 days of issue of this letter as per Clause no.14.0 of Special Conditions of Contract).
4. Taxes, Duties & Levies etc. shall be applicable as per Clause 7.0 of SCC (Special Conditions of Contract).
5. The deduction of retention money shall be recovered from your on account bills @ 10% of the gross value of each on account bill till the sum total of retention money reaches 5% of the contract value of the work (Clause No.8.2 of Special Condition of Contract).
6. The mode of payment, payment terms & Tax Deduction at Source (TDS) shall be made in accordance as per Clause 13.0 of SCC. The Contractor should issue Tax Invoice showing IGST/CGST/SGST/UTGST as applicable.
7. You are requested to commence the work immediately as per enclosed Bill of Quantities (BoQ) and Technical Specification / Make. The entire work shall be completed within a period of 4 (Four) months from the date of issue of this LOA.
8. This letter of acceptance is being sent in duplicate. One copy may please be signed, stamped and returned to this office in token of unconditional acceptance.
9. All other terms and conditions contained in the e-Tender documents dated 23.11.2024 shall form part and parcel of the contract.
10. You are requested to contact "**Chief General Manager (Electrical) Ircon International Limited, 4<sup>th</sup> Floor, C-4, District Centre, Saket, New Delhi - 110 017**" for further instructions and future correspondence.

Please acknowledge the receipt,

Thanking You,

Yours Faithfully,  
For & on behalf of  
**Ircon International Limited**

  
(Surendra Yadav)  
Chief General Manager/Electrical  


Encl: - Bill of Quantities / Schedule of Items – 2 Pages

Copy to –

- 1) **Dy. General Manager/Fin:** B-40A, Sector-1, Noida (UP) - 201 301.





LOA No.: IRCON/ELECT/5017/NELS.DD/T&amp;P/OT/46/LOA/L6/24

Date: 09.01.2025

**SCHEDULE OF QUANTITIES / BILL OF QUANTITIES (BOQ)**

**Name of work :** Supply, Installation, Testing and Commissioning of Machine & Plants (M&P) and Electronics Items, etc. in Connection with setting up of New Electric Loco shed (NELS) at Daund, Sholapur Division, Central Railway

**Summary Sheet of Bill of Quantities**

| Summary Sheet of Bill of Quantities |                                                                                                                         |                                         |      |      |                                         |                                                                                        |               |                                |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------|------|-----------------------------------------|----------------------------------------------------------------------------------------|---------------|--------------------------------|
| Sr. No.                             | Description of Schedule                                                                                                 | Make & Model / Technical Specification  | Unit | Qty. | Estimated Cost (in INR) (Including GST) | Rate quoted by Contractor as percentage above/ below/ at par/ over the estimated rates |               | Price (in INR) (Including GST) |
|                                     |                                                                                                                         |                                         |      |      |                                         | %age in Figures                                                                        | %age in Words | In Figures                     |
| 1                                   | 2                                                                                                                       | 3                                       | 4    | 5    | 6                                       | 7                                                                                      | 8             | 9                              |
| A : M & P Equipments                |                                                                                                                         |                                         |      |      |                                         |                                                                                        |               |                                |
| 1                                   | Scrubber Dryer Floor Cleaning Machine                                                                                   | Detail Technical Specification attached | No.  | 1    | 4,35,000.00                             | 7                                                                                      | Seven         | 4,04,550.00                    |
| 2                                   | Sensitive Drilling Machine Capacity 0-20mm                                                                              |                                         | No.  | 1    | 2,38,000.00                             | 7                                                                                      | Seven         | 2,21,340.00                    |
| 3                                   | Portable Grinder                                                                                                        |                                         | No.  | 1    | 17,800.00                               | 7                                                                                      | Seven         | 16,554.00                      |
| 4                                   | Portable Drill                                                                                                          |                                         | No.  | 1    | 55,000.00                               | 7                                                                                      | Seven         | 51,150.00                      |
| 5                                   | Power Hack Saw Machine                                                                                                  |                                         | No.  | 1    | 8,26,000.00                             | 7                                                                                      | Seven         | 7,68,180.00                    |
| 6                                   | Centre Lathe Machine                                                                                                    |                                         | No.  | 1    | 8,50,000.00                             | 7                                                                                      | Seven         | 7,90,500.00                    |
| B . Electronics Equipments          |                                                                                                                         |                                         |      |      |                                         |                                                                                        |               |                                |
| 1                                   | Micro ohm meter                                                                                                         | Meco or similar                         | No.  | 1    | 3,18,600.00                             | 7                                                                                      | Seven         | 2,96,298.00                    |
| 2                                   | LCR Q-meter                                                                                                             | Meco or similar                         | No.  | 1    | 1,05,000.00                             | 7                                                                                      | Seven         | 97,650.00                      |
| 3                                   | Digital conducting meter, MODEL-LT-16, Make – LABTRONICS                                                                | Should comply RDSO Specification        | No.  | 1    | 56,800.00                               | 7                                                                                      | Seven         | 52,824.00                      |
| 4                                   | Function generator a) sine wave b) saw tooth c) triangular wave d) pulse wave make – HTC model no. FG-2002              | HTC, Aplab or Similar                   | No.  | 1    | 63,600.00                               | 7                                                                                      | Seven         | 59,148.00                      |
| 5                                   | Digital time interval meter                                                                                             | Selec or Similar                        | No.  | 1    | 93,000.00                               | 7                                                                                      | Seven         | 86,490.00                      |
| 6                                   | Set of Antistatic mat comprising of two Items a) Electrostatic mat - 01no./set b) Ground cords (Imported) - 02 nos./set | Should comply RDSO Specification        | set  | 1    | 1,48,000.00                             | 7                                                                                      | Seven         | 1,37,640.00                    |
| 7                                   | Antistatic temp, controlled service station (combined soldering & de-soldering station)                                 | Goot or Similar                         | No.  | 1    | 6,98,000.00                             | 7                                                                                      | Seven         | 6,49,140.00                    |
| 8                                   | Manometer model K-707 G, range 0 to 200mm, 0 to 200mm along with PV 900 pressure variator and fitting kit               | Switzer or Similar                      | No.  | 1    | 3,15,000.00                             | 7                                                                                      | Seven         | 2,92,950.00                    |
| 9                                   | Silicon diode tester                                                                                                    | Make or Similar                         | No.  | 1    | 2,62,000.00                             | 7                                                                                      | Seven         | 2,43,660.00                    |



| Sr. No.      | Description of Schedule                                                                                                                                                                                                                                      | Make & Model / Technical Specification                                           | Unit | Qty. | Estimated Cost (in INR) (Including GST) | Rate quoted by Contractor as percentage above/below/ at par over the estimated rates |               | Price (in INR) (Including GST) |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------|------|-----------------------------------------|--------------------------------------------------------------------------------------|---------------|--------------------------------|
|              |                                                                                                                                                                                                                                                              |                                                                                  |      |      |                                         | %age in Figures                                                                      | %age in Words | In Figures                     |
| 1            | 2                                                                                                                                                                                                                                                            | 3                                                                                | 4    | 5    | 6                                       | 7                                                                                    | 8             | 9                              |
| 10           | AneomØ meter                                                                                                                                                                                                                                                 | Should comply RDSO Specification                                                 | No.  | 1    | 39,500.00                               | 7                                                                                    | Seven         | 36,735.00                      |
| 11           | Set of ESD safe storage, handing and packing storage for static free handling of PCB cards                                                                                                                                                                   | ECCD or Similar                                                                  | No.  | 1    | 4,70,000.00                             | 7                                                                                    | Seven         | 4,37,100.00                    |
| 12           | DC Power supply                                                                                                                                                                                                                                              |                                                                                  |      |      | -                                       |                                                                                      |               |                                |
|              | a) Variable DC power supply unit input 230V, 50Hz, output continuously variable 0 to 16 V DC at 0-6 Amps capacity                                                                                                                                            |                                                                                  | No.  | 1    | 36,990.00                               | 7                                                                                    | Seven         | 34,400.70                      |
|              | b) Variable DC power supply unit input 230V, 50Hz, output continuously variable 0 to 64 V DC at 0-3 Amps capacity                                                                                                                                            |                                                                                  | No.  | 1    | 62,300.00                               | 7                                                                                    | Seven         | 57,939.00                      |
|              | c) Variable DC power supply unit input 230V, 50Hz, output continuously variable 0 to 128 V DC at 0-2.5 Amps capacity                                                                                                                                         |                                                                                  | No.  | 1    | 76,000.00                               | 7                                                                                    | Seven         | 70,680.00                      |
| 13           | Optical Fiber Loss Test set, One Set consist of 02 items, 01 GREENLEE 560 XL optical power meter with 1030 ST-PC Fibre Optics connector adaptor (02) GREENLEE 560 XL-ST 850-1300 nm LED source with built in ST-PC connector interface, Make/ Brand-GREENLEE | Make/Brand-GREENLEE                                                              | No.  | 1    | 4,95,500.00                             | 7                                                                                    | Seven         | 4,60,815.00                    |
| 14           | Hand Crimping tool for HD20 contacts with attached crimping dies spec: Specification Type: Hand Crimping, Sub D Crimper Size: 0.25 to 0.50 Sq. mm Make and Model : Knipex/Germany/ AMP/TE/connectivity/ RENNSTEIG                                            | Knipex/Germany/AMP/TE/connectivity/RENNSTEIG                                     | No.  | 1    | 1,82,000.00                             | 7                                                                                    | Seven         | 1,69,260.00                    |
| 15           | HAND CRIMPING TOOL FOR SINGLE CONTACT PIN/SOCKET SIZE HD-20 as per specification DMW/M/ TRS/ T&P/HAND Crimping tool/33 ; Make/Brand KNIPEX/ GIMOTA/ ACE/TECONNECTIVITY CRIMPWEL & WEIDMULLER OR SIMILAR TECONNECTIVITY                                       | KNIPEX/GIMOTA/ACE/TECONNECTIVITY CRIMPWEL & WEIDMULLER OR SIMILAR TECONNECTIVITY | No.  | 1    | 65,000.00                               | 7                                                                                    | Seven         | 60,450.00                      |
| 59,09,090.00 |                                                                                                                                                                                                                                                              |                                                                                  |      |      |                                         | Total Price =                                                                        |               | 54,95,453.70                   |

