



No. IRCON/ELECT/5037-5038/NCRTC/FDS System/OT/77

Date: 11.01.2023

M/s Fire Engineering Technology,
H.NO 227 228, GALI NO. 09,
PRASHANT ENCLAVE, BAPROLA,
West Delhi, Delhi, 110043.

Letter of Acceptance

Dear Sir,

(Kind Attn: Sh. Rahul Kumar)

Sub: Supply, Installation, Testing and Commissioning of Fire Detection and Fire Suppression System for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC Project (Package – 19, Lot 1 & Lot-2)

Ref. i) NIT No. IRCON/ELECT/5037-5038/NCRTC/FDS System/OT/77,
Date:26.09.2022
ii) Your offer submitted on CPP Portal dated 09.10.2022 for the subject work and opened on 18.10.2022

1. In reference to tender enquiry and your offer referred above, Ircon International Limited is pleased to accept your offer for "Supply, Installation, Testing and Commissioning of Fire Detection and Fire Suppression System for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC Project (Package – 19, Lot 1 & Lot-2)" on the following Terms & Conditions.

2. Total Cost of Work :

Rs. 61,52,661.14/- (Rupees Sixty One Lacs Fifty Two Thousand Six Hundred Sixty One and Paise Fourteen only) inclusive of all applicable taxes, duties and GST on "FIRM" price basis in accordance with tender terms and conditions issued vide ref. (1) above for Supply, Installation, Testing and Commissioning of Fire Detection and Fire Suppression System for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC Project (Package – 19, Lot 1 & Lot-2). Income Tax (TDS), GST TDS or any other Taxes as applicable shall be deducted from the RA Bills. Taxes, Duties & Levies shall be governed in accordance with Clause No. 14 of Special Conditions of Contract (SCC). The detailed Bill of Quantities (BOQ) is Enclosed as Annexure-I.

3. In terms of Clause no. 9 of Special Conditions of Contract, the date of issuance of this Letter of acceptance shall be the date of commencement of work.

4. Delivery Period for the subject work of Supply, Installation, Testing and Commissioning of Fire Detection and Fire Suppression System for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC Project (Package – 19, Lot 1 & Lot-2) shall be as SCC clause no. 11. Stage wise delivery period shall be as follows:

Sl.	Stage	Delivery Date/ Milestone Target
(i)	Stage-1 (Lot-1)	Within 2 Months from the date of LOA
(ii)	Stage-2 (Lot-2)	Within 2 Months from the date of LOA
(iii)	Stage-3 (Lot-1)	Within 5 Months from the date of LOA
(iv)	Stage-4 (Lot-2)	Within 8 Months from the date of LOA



5. **Payment Terms:** Payment against the work shall be made in accordance with Clause No. 21 of the Special Conditions of Contract.
6. Retention Money shall be deducted as per SCC clause no. 23.3.1.
7. The Defect Liability Period shall be 24 Months & commence from the date of handing over of the tools & Plants to the client in accordance with Clause No. 25 of the Special Conditions of Contract.
8. In terms of Clause 23. of Special Conditions of Contract and Clause 8.0 of the General Conditions of Contract, Performance Security for an amount 3% of Contract value i.e. **Rs. 1,84,600/-** (Rupees One Lakh Eighty Four Thousand Six Hundred only) with additional BG of **Rs. 13,89,311/-** (Rupees Thirteen Lacs Eighty-Nine Thousand Three Hundred Eleven only) shall be submitted to the office of Chief General Manager (Electrical)/ Ircon International Ltd., C-4, District Centre, Saket, New Delhi-17 within 21 days of issuance of this letter.
9. Engineer - AIAI-GC vide Notification no. NCRTC-DM093-IRC-XX-PT-00302 dated: 20.12.2022 has reviewed and communicated No objection for the Vendor Proposal for Supply, Installation, Testing and Commissioning of Fire Detection and Fire Suppression System for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC Project (Package – 19, Lot 1 & Lot-2) in respect of M/s Fire Engineering Technology subject to following conditions:
 - a) Vendor submitted 'dealer appointment letter' from 'M/s ROTAREX Engineering Private Limited, Mumbai' valid from 1st January'2022 to 31st December'2022 but without any date on the letter. Dealer appointment letter shall be valid on the date of supply of material.
 - b) Vendor submitted 'certificate of compliance' issued on 22-March-2022 for 'COMPONENTS - HEAT-AUTOMATIC FIRE DETECTORS' to 'M/s ROTAREX INC NORTH AMERICA' by UL LLC for safety as per UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS.

Therefore, all components for fire detection and suppression system shall be from 'M/s ROTAREX INC NORTH AMERICA' and shall be UL Certification Mark on the products as mentioned in 'certificate of compliance'.

- c) Installation, testing and commissioning of 'fire detection and suppression system' shall be done as per contractual provisions mentioned below –
 - i) **Contract Clause 7.4.D (a) Cubicle of 33kV/ 415V Auxiliary transformers {Ref: A&C-1B (SN-43.1)}**

The cubical shall be protected against fire by means of an automatic fire detector and fire extinguisher system, fire track type or equivalent, complete with Clean agent fire suppression systems, approved by Chief Controller of Explosives, valve, flexible detection and delivery system in the form of flexible tube made of special polymer, capable of withstanding a normal pressure of 12 bar and maximum pressure of 20 bar, suitable mounted on the panel and shall be capable of flooding the cubicle, within the shortest response time, not more than 10seconds after the fire is sensed by the flexible detector tube. The contractor shall submit the complete technical data of the system for approval.
 - ii) **Contract Clause 7.41. 46 SAFETY REQUIREMENTS**

Safety of equipment's in the ASS shall be provided as per CEA regulations 2010. The indicative list of safety equipment's shall be not limited to the following.



The Transformers, ACDB & DCDB, battery charger etc. in the ASS shall be protected against fire by means of an 'automatic fire detector and extinguisher system', 'Firetrace' type or equivalent, complete with Extinguishing agent cylinder, approved by Chief Controller of Explosives, valve, flexible detection and delivery system in the form of a flexible tube, i.e. Linear Heat Sensing Tube (LHST), made of special non-conducting polymer, capable of withstanding a normal pressure of 12 bar and a maximum pressure of 20 bar, suitably routed inside the panel for detection of fire. The Extinguishing agent cylinder shall be suitably mounted on the panel and shall be capable of flooding the cubicle with Extinguishing agent, within the shortest response time, not more than 10 seconds after the fire is sensed by the Linear Heat Sensing Tube (LHST), i.e. flexible detector tube. Traction contractor shall submit the complete technical data of the system to the Engineer. The system shall monitor the weight of fire extinguishing agent cylinder with alarm. Potential free contacts for interface with fire detection & alarm system.

Therefore, as per contract provisions, fire detection and suppression system shall be approved / certified by Chief Controller of Explosives.

- d) Complete technical details of the system proposed, shall be submitted for approval along with method statement.
10. This letter will constitute a legal and binding contract between Ircon International Limited and M/s Fire Engineering Technology till such time the formal contract agreement is signed.
11. You will enter into and execute the contract agreement within 28 days from the date of issue of this letter with Chief General Manager (Electrical)/Ircon International Ltd., C-4, District Centre, Saket, New Delhi-17. You are requested to arrange the stamp papers of requisite value as per the prevailing laws for signing of the agreement in terms of Clause No. 12.5 of the General Conditions of Contract.
12. You are requested to immediately contact Chief General Manager (Electrical)/Ircon International Ltd., B-40A, Sector-1, Noida for execution of works under this contract.
13. All terms and conditions shall be as per the Tender Document.
14. This letter is being issued to you in duplicate, one copy of which may please be returned duly stamped and signed as a token of your acceptance at the earliest.

Thanking you,

Yours faithfully

For & on behalf of Ircon International Limited


(Sanjay Gupta)
11.1.23

Chief General Manager/Electrical

Encl.- As above.

Copy to: - (i) CGM/Electrical/PH/IRCON, NCRTC Project
(ii) Manager/Finance/IRCON, NCRTC Project.



Signature Not Verified

Digitally signed by BHARTI

Date: 2023.05.11 15:01:30 IST

Location: eProcurement System for Central PSUs