Indian Institute of Technology, Delhi

Notice Inviting Quotation

Date: 02/07/ 2014

Sealed quotations are invited for "**HVAC & Clean Room Accessories**". Quotations should be submitted in a sealed cover (separate bids: technical and commercial) to **Prof. Naresh Bhatnagar**, Mech Engg Dept, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016 on or before 18/07/2014 (Friday). Late submission will not be considered.

Institute reserves the right to accept or reject any of the offers without assigning any reasons. The detailed specifications of each individual component of the system are given below:

Technical Specifications:

Clean Room Size L 20' x W14'

AHU Capacity 3000 CFM, Static pressure 60 mm

Supply, installation, testing and commissioning of double skin blow through type AHU's complete with thermal break profile consisting of blower section backward curved blower, chilled water coils, with EU-4 & EU-7 filter (The velocity across filter not to exceed 500 FPM), 'Zero leak' Aluminium supply air dampers, return air damper, fresh air damper , exhaust air damper, base frame, motor and controls, wirings, access doors as per approved design, drive set with belt guard, vibration isolators, fire proof double canvass connection (fungal resistant and lint free), internal lights, limit switches, necessary instruments as per specifications, schedule of equipment and AHU schematic as per room layout.

Condensing Unit

Condensing unit 8.5 Tr, of make either Carrier / Blue Star, with copper pipe & insulation of copper pipe, Energy efficient Unit of 5 STAR rating.

Air Distribution System

Supply, installation, testing & commissioning of fabricated GI sheet ducting for compressor with silicon sealant, double neoprene gaskets, supports, etc. as per specifications. Sheet Thickness of minimum 0.63 mm, MS Support and Structure work including all welding, painting, nut-bolting and accessories.

Accessories / Covings

PVC extruded coving of Radius 100 mm (ceiling to wall & all corners)

Insulation

1. Supply, installation, testing and commissioning of Fire retardent, nitrile rubber close cell FLAT insulation 13mm thick on SA duct with Metallic Foil Face.
2. False ceiling sealing of Clean room having metallic glossy finish panels
3. Doors Interlocking (Air lock) so that both door may not open at a time with access control

Shoe Cleaning System

1. Heavy duty SS 304 tray with mat & shoe dry mat with Sticky mats.
2. Shoes keeping rack & Aprons keeping rack (for 5 persons minimum)
3. Garment CABINET for 5 Persons.
4. Antistatic Shoes for Clean room inside use.

5. Clean room Aprons, color Blue / White.
6. Clean room Top & Bottoms, color Blue / White.
7. Anti-Static Air Gun.

Class 100 Laminar Air Flow Bench (Vertical) - 2 nos

Terms and Conditions

Envelope A: Technical Quote: The following details are to be enclosed (Mention clearly on this envelope – Technical Quote)

1. Letter from the manufacturer specifically to quote for this tender is to be attached for the authenticity of dealership/ agency and the dealer should be an authorized service provider.

2. Technical brochures mentioning all details with complete address of the principals.

3. A compliance statement for required specifications should be attached.

4. Firm MUST provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed, with the company seal, by the tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender. The quotation should be complete in all respects. (as per IIT-Delhi rules).

5. Any optional equipment / accessory advised to be included in the quote.

6. a) List and addresses of organizations [in India and abroad – with contact landline numbers] where the equipment has been supplied in last 3 years.

b) Address in India where a live demonstration of the instrument/ system can be arranged, if possible.

7. a) Details of similar equipment/system supplied to preferably Indian Institute of Technology/ National Institute of Technology/Indian Institute of Science, India specifying the Department/Centre/lab to which the equipment was supplied, with references.

b) Mention if the equipment is being maintained by your organization. Address of the technical office, in India, with telephone and FAX numbers. Please clarify the type of support available in India.

8. If quote is for imported equipment, Sole Agency-ship certificate on the letterhead of the principal company with current dates, if quotation is from an Indian Agent. This is MUST to qualify, in Technical Envelope

9. In case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided with latest date.

10. Specifications form should be similar to the given major specifications.

Envelope B: Financial Quote: The following details are to be enclosed/ ensured. (Mention clearly on this envelope – Financial Quote)

1. The quotations for the equipment in foreign exchange, if it is to be imported. The cost of spares and optional equipment are to be quoted separately. The cost should be based on FOB, Factory. If equipment is indigenous, the quote should be in INR.

2. Taxes, terms and conditions should be clearly mentioned.

3. Institute makes payment after delivery and successful installation. The payment is by RTGS for which NEFT form need to be duly filled and complied. In case the payment terms are different, it should be mentioned clearly. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.

4. Payment terms and conditions should be clearly mentioned. No advance payment is given by IIT Delhi for capital equipment.

5. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about warranty for three years of the equipment to be delivered from the date of installation.

6. The details of the AMC after the warranty period should be clearly mentioned.

7. Cost for Installation and training for maintenance at site, if needed, to be provided.

8. Validity of the quotation should be at least four months. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without any additional charges.

9. The delivery period to be clearly specified and should be at the earliest.

(Prof. Naresh Bhatnagar)

Mechanical Engineering Department, IIT Delhi - 110016