



भारतीयविज्ञानशिक्षाएवंअनुसंधानसंस्थानमोहाली  
(शिक्षा मंत्रालयकाएकस्वायत्तसंस्थान, भारतसरकारकेअधीन)  
सैक्टर-81, नॉलेजसिटी, पो. ओ. मनौली, एस. ए. एस. नगर, मोहाली, पंजाब-140306

**INDIANINSTITUTEOFSCIENCEEDUCATIONANDRESEARCHMOHALI**  
(EstablishedByMinistryof Education, Govt. of India)  
Sector-81, Knowledgecity, PO-Manauli, SAS Nagar Mohali-140306, Punjab



Tender Ref.No.: IISER/EE-EO/23-24/AMC-02

Date: 14.06.2023

### Notice Inviting Quotation

1. The Executive Engineer on behalf of the Director, IISER Mohali, invites online bids under two bid system i.e. technical bid and financial bid through E- Central Public Procurement Portal i.e. <https://eprocure.gov.in/eprocure/app> from eligible contractor for the work mentioned below.

<b>Name of work</b>	<b>:-</b>	<b>AMC of gassing / degassing station at IISER Mohali.</b>
<b>Tender Ref No</b>	<b>:</b>	<b>IISER/EE-EO/23-24/AMC-02</b>
<b>Estimated cost</b>	<b>:</b>	<b>INR 1,97,122/- Inclusive GST</b>
<b>Earnest Money</b>	<b>:</b>	<b>INR 4,000/-</b>
<b>Tender Fee</b>	<b>:</b>	<b>INR 590/-</b>
<b>Stipulated period of work</b>	<b>:</b>	<b>Twelve (12) months which can be extended for further a period of 1+1 year.</b>

### **Critical Date Section**

<b>Sr. No.</b>	<b>Particular</b>	<b>Date</b>	<b>Time</b>
1.	Tender publishing date and time	15.06.2023	09:00AM
2.	Tender documents download start date and time	15.06.2023	09:00AM
3.	Bid submission start date and time	15.06.2023	09:00AM
4.	Bid submission end date and time	20.06.2023	03:00PM
5.	Technical bid opening date and time	21.06.2023	03:05PM

1. Technical document and price bid may be downloaded from the website of E- Central Public Procurement portal (<https://eprocure.gov.in/eprocure/app>) and [www.iisermohali.ac.in](http://www.iisermohali.ac.in) . Quotation should be submitted online along with valid documents of eligibility criteria within the date mentioned above.
2. The Director, IISER Mohali shall be the “Accepting Authority” hereinafter referred to as such for the purpose of this contract.
3. For any information, other modifications and/or corrigendum may kindly visit IISER Mohali website <http://www.iisermohali.ac.in> and also publish on <https://eprocure.gov.in/eprocure/app>.

## **SUBMISSION OF Quotation:**

E-Quotations shall be uploaded by the Bidders in two parts:

**(i) Technical Bid. – Cover I (ii) Financial Bid. - CoverII**

The two bid system will be followed for this tender. In this system the bidder must upload bid **online at E-Procurement Portal (i.e. <https://eprocure.gov.in/eprocure/app>)** his offer in two covers. "**Cover No. 1- Technical Bid along with requisite fee details and all forms under seal and signature of Bidder**" mentioned below and "**Cover No.2 - Financial Bid**" respectively.

The **Cove I**(Technical Bid) shall consist of following:

- a) **Earnest Money**-The bidder shall furnish as part of its bid, an EMD of Rs.4,000/- (Rupees four thousand only). The EMD is to be submitted through Demand Draft of any Scheduled / Nationalized Bank (drawn in favour of "Registrar, IISER, Mohali") payable at Mohali.
- b) **Cost of Tender Form**- The Cost of Tender Form Rs.590/- (non refundable) is to be submitted through Demand Draft of any Scheduled / Nationalized Bank (drawn in favour of "Registrar, IISER, Mohali") payable at Mohali.

**Note** - The original payment instrument like Demand Draft of any Nationalized Bank against Earnest Money and Cost of Tender Form sent to the address- **IISER Mohall, Sector-81, knowledge City, PO- Manauli, SAS Nagar Mohal1140306, Punjab** by post/speed post/courier/by hand before bid opening date & time

**(ii) Important Documents uploads in .pdf format only:-**

- a. Scanned copy of DD of EMD. MSME certificate in lieu of DD has to be relevant to the work.
- b. Scanned copy of IT Return for the last three financial years.
- c. Scanned copy of PAN Card and GST number.
- d. Scanned copy of work experience.
- e. Scanned copy of Tender Accept Letter

**The Cover II** (Financial Bid) shall consist of following:

- \* Schedule of price bid of in the form of BoQ\_XXXXX.xls (Will be formulated according to the type of work)

-sd-  
Executive Engineer

**INDIAN INSTITUTE OF SCIENCE EDUCATION  
AND RESEARCH (IISER) MOHALI  
NOTICE INVITING E-QUOTATION FOR  
“AMC of GASSING/ DEGASSING STATION AT IISER, MOHALI (PUNJAB).**

**SCOPE OF WORK:**

1. The AMC covers all the costs of items of work as attached in Annexure 'A', including the cost of material, GST, etc.
2. The service technician will visit the site for Service once in a quarter.
3. The major components as pressure regulator(all types), mass flow controller (digital/analog), vacuum pump, toggle valve, solenoid valves, control panel, etc as per the list attached (Annx-A), wherever required for 100% efficiency of the system once in year.
4. All the systems, inspections will be carried out for proper flow of gases in pipes,
5. The system dismantling, re-assembling and re-installation will be done under AMC if required for proper functioning of the system.
6. All the System to be checked on quarterly basis. The service technician will visit for carrying out general inspection for checking of 100% of the system efficiency.
7. Repair and servicing of gas system at IISER-Mohali request within reasonable time.
8. Defective parts such as gauge, valves, etc if required will be replaced as per the rates to be provided by the agency alongwith the AMC quote.
9. The service technician will visit the location within 36 hours on receipt of any call made from IISER-Mohali.
10. AMC charges will be payable quarterly with deduction of 5% amount as security deposit from each running bill which will be released after successful completion of AMC period and payment of final bill
11. The annual maintenance contract rates will be same for one year which can be extended for a further period of 1+1 year on satisfactory performance by the agency and mutually consent.
12. The rates has be quoted for AMC and for parts separately in the enclosed schedule of quantities and duly signed by the contractor.
13. Rates to remain firm during the duration of work as well as the extended period, if any. No escalation in rates will be allowed in any circumstances.
14. The quantities of parts as mentioned in the BOQ can be increased or decreased as per the requirement of work.
15. All material to be used in the work will have to be approved by the Engineer-in-Charge or his authorized representative.
16. The contractor will be responsible for the safety of labourers deployed by him for the work at the site and shall comply with all statutory norms. The contractor shall liaison with OEM/OES for supply of genuine parts and proper servicing of system.

17. The Director IISER reserves the right to reject or cancel the quotation without assigning a reason.
18. Payments to be made on quarterly basis.
19. EMD amounting to Rs.4,000/- in favour of Registrar, IISER Mohali payable at Mohali.

**Payment:**

1. AMC charges will be payable quarterly with deduction of 5% amount as security deposit from each running bill which will be released after successful completion of AMC period and payment of final.
2. Payments to be made after satisfaction completion of work and certification by Engineer in Charge.

**Duration of contract:**

The annual maintenance contract rates will be same for one year, which can be extended for further a period of 1+1 year on satisfactory performance by the agency and mutually consent on same rates and terms & conditions.

**Eligibility Criteria:**

1. The bidder must provide copy of having executed “Gas piping installation or maintenance work for labs” one work for amounting to Rs. 1.58 lakhs or two works of amounting to Rs 0.99 Lakh or three works amounting to Rs 0.79 Lakh in any Central/State Govt./PSUs/Autonomous Body in last 7 years otherwise their bid shall be liable to be rejected.
2. The technical bid must also contain service report of the previous years, PAN Card, ITR Return (last 3 years), GST number etc. along with their technical bid otherwise their bid shall be liable to be rejected.
3. The e-bids to be uploaded in two covers i.e. **Technical bid** and **Financial bid**, otherwise it is liable to be rejected.
4. The e-quotations shall be uploaded by the agency at **03:00PM on 20.06.2023 (20<sup>th</sup> days of June 2023)** and Cover No.1 only containing earnest money, conditions. Application fees and EMD in original have to be submitted before opening the e-quotations on next working day. No consideration will be given to a quotation received after the above stipulated time and date. The financial bid (Cover No 2) of qualified bidder shall then be opened at notified time and date.
5. **Earnest Money: Rs. 4,000 /-** (In Demand Draft form) and **Tender Fee: Rs.590/-** (In Demand Draft form, Non-refundable) in favour of the “**Registrar, IISER Mohali**” payable at Mohali or MSME certificate in lieu of DD has to be relevant to the work.

**Termination:** The AMC can be terminated if agreed by both parties or at the expiry of the period of the agreement.

**TERMS AND CONDITIONS:**

IISER will provide the safe working conditions for the AMC, if any point time, the same is not found safe to work, risking lives, and contract will get terminated on its own.

**FORCE MAJEURE**

Contractor shall be liable to perform of its obligations under or arising out of this contract if, such failure does not results from any force major, act of God, fire, industrial disputes, labour trouble, transportation embargo, existence of any state of Emergency, war, war like conditions, civil commotion, riot, inability to obtain any material, imposition of sanction and / or any measures taken by the Govt. what so ever which rendered it impossible or impracticable for the contractor to perform obligations under this contract.

Sd/-  
Executive Engineer

**TENDER ACCEPTANCE LETTER**  
(To be given on Company Letter Head)

Date:

To,  
Executive Engineer  
IISER Mohali

Sub: Acceptance of Terms and Conditions of Tender.

Tender Reference No.: IISER/EE-EO/23-24/AMC-02

**Name of Tender/Work :- AMC of gassing / degassing station at IISER, Sector-81, SAS Nagar," Punjab.**

Dear Sir

1. I/We have downloaded/obtain the tender documents(s) from the above mentioned Tender/Work from the website(s) namely: as per your advertisement, given in the above mentioned website(s).
2. I/We hereby certify that I/We had read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc.) which form part of the contract agreement and I/We shall abide hereby by the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting the acceptance letter.
4. I/ We hereby unconditionally accept the tender conditions of above mentioned tender document(s) in its totality/entirety.
5. In case any provision of this tender are found violated, then your department/organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the bidder, with official seal)

## List of Equipment

Annx-A

Sr.No.	Description of Item	Qty.	Unit
1	Closet/cabinet for storing six gas cylinders (each 47/48 L Capacity) Made up of galvanized iron steel (epoxy coated), dimensions 6x1.5/2x7/8 ft (LxDxH), With 6 cylinder holding brackets, provision for 5 gas pipe outlets at the top of the closet. The closet will be mounted outside of the lab and the gas lines will enter the lab through the wall.	1	nos
2	Dual or two-stage pressure regulators of make Aptech for gas cylinders Body with stainless steel SS-316L, Pressure gauge at primary and secondary side for N <sub>2</sub> , CO <sub>2</sub> , and N <sub>2</sub> :CO <sub>2</sub> mixture (80:20) gas lines supplied with dust frit at inlet bull-eye connector. Primary gauge: 0-280 kg/cm <sup>2</sup> , secondary gauge: 0-12 kg/cm <sup>2</sup>	3	nos
3	Piping/tubing (Length ~9-10 m for each gas line) with <b>color coded sleeving</b> for different gas lines SS316L grade, 1/4" diameter, should be electro-polished and provided with appropriate fittings. All gas lines must be anchored to a wall. All feed-through holes must be sealed properly. Proposed schematic of the gas lines are given in the scheme.	50.00	mtr
4	One-stage pressure regulator Body with SS-316L, Pressure regulator for N <sub>2</sub> (#2), CO <sub>2</sub> (1), N <sub>2</sub> :CO <sub>2</sub> mixture (80:20) (#2) and N <sub>2</sub> :CO <sub>2</sub> :H <sub>2</sub> mixture (#1) gas lines with appropriate end fittings, Gauge: 0-12 kg/cm <sup>2</sup> For N <sub>2</sub> and N <sub>2</sub> :CO <sub>2</sub> regulators, additional outlet with on/off valve Make: AES, Spectron, Air Liquide, Tescom, Aptech	6.00	nos
5	Mass flow controllers Digital/Analog for N <sub>2</sub> , CO <sub>2</sub> , and N <sub>2</sub> :CO <sub>2</sub> (80:20) gases, flow rate: 0 – 250 slpm, Accuracy: Set value ± 0.5%, Make: Fujikin, Brunkrst, Horiba, Alicat	3.00	nos
6	Manifold gassing/degassing platform Body with SS-316L, 3/16" thick plate, Dimensions: 3x2 ft	1.00	nos
7	SS316L tubing for manifold gassing/degassing station 1" diameter, supplied with appropriate fittings. This should be fixed on the manifold platform Make: Dockweiler, Vallex, Cardinal, Sandvik	3.00	mtr
8	Pressure gauge Body with SS-316L, Gauge: 0-12 kg/cm <sup>2</sup> Make: AES, Tescom, Spectron	1.00	nos
9	Vacuum pump For degassing manifold (5-10 L volume) Number of stages: 2; Pumping Speed @ 50/60Hz: 77/97 L/min Vacuum: 2x10 <sup>-3</sup> mbar Max. allowed intake/exhaust pressure: 1 bar IN/ EX hose connector: DN 16 Motor: 200-240V, 50/60 Hz Supplied with all accessories Make: Fischer Scientific, Zeny	1.00	nos
10	Toggle valves (on/off) Material SS-316L; Supplied with tube adapter hose barb	12.00	nos
11	Solenoid valves (#2) Make: Spectron, Swagelok, Aptech, Parker	2.00	nos
12	Control panel (for gassing-degassing OR overpressure-vacuum cycles)Gassing - degassing for 20-25 cycles Max. overpressure 0.5-1 bar	1.00	nos
13	Hardware & Fittings	1	job