



सत्यमेव जयते

भारत सरकार/ GOVERNMENT OF INDIA
अंतरिक्ष विभाग/ DEPARTMENT OF SPACE
भारतीय अंतरिक्ष विज्ञान एवं प्रौद्योगिकी संस्थान/INDIAN INSTITUTE OF SPACE SCIENCE & TECHNOLOGY
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INVITATION FOR EXPRESSION OF INTEREST (EOI)

EXPRESSION OF INTEREST FOR SETTING UP OF CLEAN ROOM FACILITY FOR SEMICONDUCTOR AND MEMS FABRICATION AT IIST, VALIAMALA, THIRUVANANTHAPURAM, KERALA, INDIA

The Indian Institute of Space science and Technology (IIST), a "Deemed to be University" under Section 3 of the UGC Act 1956, established by the Department of Space, Government of India, offers high quality education at the Under graduate, Post graduate, Doctoral and Post doctoral levels in niche areas of Space Science, technology and applications. The institute has excellent infrastructure and faculty members with high academic credentials and research experience in India and abroad.

IIST intends to set up Clean room facility for semiconductor and MEMS fabrication in its campus at Valiamala, Trivandrum. For this, IIST is looking for competent parties/firms having adequate experience in the establishment of Clean rooms with associated utilities for Semiconductor/ MEMS/ Nano-fabrication fabs, interested in setting up of Clean room facility on a turn-key basis at IIST. A tendering process shall be undertaken subsequently and short listed firms/parties only shall be allowed to further participate in the same.

IIST invites Expression of Interest (EOI) from interested parties/firms clearly indicating their profile, areas of experience and previous experience in the field.

Eligibility norms

The parties/firms submitting EOI should be technically competent and experienced in having undertaken Clean room projects comprising of clean rooms with associated utilities such as HVAC systems, gas (specialty and Bulk gases) distribution systems, building management system (BMS), Toxic Gas Management (TGM) system, Abatement systems, Electricals and Fire detection & protection systems for semiconductor/ MEMS/Nano-fabrication facility.

Scope of Work

The scope of work comprises of setting up of clean room facility on a turn-key basis at IIST, Valiamala, Trivandrum, involving design, detailed engineering, supply, installation, Testing and commissioning of clean rooms of area ~150 sq.m [class 100 (~40 sq.m)/class 1000 (~110 sq.m)], along with gray areas with

Utilities such as HVAC systems, gas (specialty and Bulk gases) distribution systems, building management system (BMS), Toxic Gas Management (TGM) system, Abatement system, Electricals Fire Detection & protection systems and Tool Hook-up, for semiconductor and MEMS fabrication. The vendor should also be able to carry out any civil work that arises during the installation of above facilities. The building and the location for setting up the clean room at IIST is ready.

Short-listing Criteria

The following criteria shall be adopted by the Technical evaluation committee of IIST for short-listing of the parties/firms meeting the above mentioned eligibility norms:

1. Parties/ firms should have successfully completed at least two (2) “Similar Works” during the last 7 years. “Similar Work” shall mean “Design, detailed Engineering, Supply, Installation, Testing, Commissioning and Validation of Clean Room facility (Class 100/ISO 5 or better, as per FED Std. 209E/ISO14644) and associated utilities comprising of High Purity Gas Distribution system , HVAC works, Toxic gas management (TGM) System, Electricals, Fire Detection etc. for semiconductor/Microelectronic/ Nano fabrication/ MEMS facilities”.

2. The firm/party may associate with other firm/party (experienced in the relevant field viz. Clean room/HVAC/High purity Utilities distribution network) and in such cases the combined experience of the consortium members during the last 7 years for the “similar work” shall be taken into consideration for determining the eligibility. However, fulfillment of all the Contractual obligations for successful execution of the project shall be the sole responsibility of the Prime bidder. Copy of the Memorandum of Understanding (MOU) between the firm/party submitting the expression of interest and the firm/party with whom they shall associate for the project shall be submitted along with the expression of interest.

3. Copies of Purchase Orders/ Work orders in respect of “Similar Work” executed by the party/firm with Documents evidencing satisfactory completion issued by the respective clients/organizations shall be submitted along with the expression of interest. In case the firm/party associates with other firm/party, copies of the POs/Work orders executed by the other firm with documents evidencing satisfactory completion issued by the respective clients/organizations shall also be submitted along with the Expression of Interest (EOI).

4. Average annual financial turnover should not be less than ₹50 million (Fifty million rupees) during the last 3 years. The prospective firm/party shall provide Chartered Accountant's certificate for the annual financial turnover.

5. Should have a solvency of not less than ₹25 million (Twenty Five million rupees). The prospective firm/party shall provide current (not prior to six (6) months) solvency certificate from any scheduled bank.

6. Should not have incurred any loss in more than 2 years during the last (five) 5 financial years. The prospective firm/party shall provide the copy of audited Annual Accounts by a chartered accountant for the previous 5 (five) financial years.

General Instructions for submission of Expression of Interest (EOI)

1. The Expression of Interest (EOI) should clearly indicate the expertise of the party/ firm in the Design, Detailed Engineering, Supply, Installation, Testing and commissioning of Clean rooms of class 100 or better with utilities such as HVAC systems, gas (specialty and Bulk gases) distribution systems, building management system (BMS), Toxic Gas Management (TGM) system, Abatement system, Electricals, Fire detection & protection systems and Tool hook-up, for semiconductor/MEMS/Nano-fabrication facility.
2. EOI should contain all relevant details and supporting documents.
3. The invitation to EOI is not a tender and is issued with no commitment. IIST reserves the right to withdraw the request for EOI and change or vary any part thereof at any stage.
4. The parties/ firms shortlisted would be issued formal tender inquiry/ Request for proposal inviting their technical and commercial bids at a later date.
5. IIST reserves the right to accept or reject all or any such expression of Interest without assigning any reason thereof.
6. IIST reserves the right to verify all claims made by the firm(s)/party (ies).
7. Parties/firms submitting their EOI, if required, will be called by IIST for presentation of the details/ information submitted by them, to the IIST Technical committee.

Commercial terms and conditions

The following commercial terms and conditions would be applied.

1. Payment to be based on mile-stone payment basis.
2. The warranty for the clean room components shall be for a period of 3 years from the date of installation and acceptance on successful commissioning. Additional /Extended warranty can be quoted by the vendor as an extra option.
3. Earnest Money Deposit (EMD) is applicable at the time of tendering.
4. In case of an order, a security deposit @10% of PO value and a Performance BG (PBG) @10% of PO value will be applicable.
5. In case of an order, for safeguarding the government interest, Liquidated Damage (LD) @0.5 % per week to a maximum of 10% of PO value is applicable for delayed delivery/installation.
6. The vendor should quote the basic price on Ex-works/FOB basis (for imports). For any indigenous items, the price should be on FOR, IIST basis. GST should be specified separately.

Expression of Interest – Response form

Parties/ firms are requested to furnish the following details supported with relevant documents.

1.	Registered address with Phone, Fax, e-mail, website etc. and year of establishment	
2.	Status (Partnership/Private Ltd/Limited etc.) with names and addresses of Partners, Board of Directors etc.	
3.	List of similar contracts executed during the last five years with complete address of client and contact person. Copies of the executed Purchase Orders/Contracts mentioning complete Scope of Work, and corresponding completion certificates issued by the clients/organisations shall be enclosed).	
4.	Details of Contracts, now in hand (Copy of Purchase Orders/Contracts to be enclosed).	
5.	Details of Technical manpower. (Company's Profile and Organisation Chart shall be attached).	
6.	Copies of Balance Sheets, Profit & Loss Account including Chartered Accountant's certificate for the annual financial turnover, audited Annual Accounts by a chartered accountant for the previous 5 (five) financial years and Income Tax Returns for the last five years.	
7.	Name and address of Bankers	
8.	Latest Certificate of Solvency	
9.	Any other relevant information.	

We affirm that the information submitted is complete in all respects and true to the best of our knowledge and that we are authorized to submit this application. We understand that the information furnished in the form above is liable to be verified and any misrepresentation may lead to our disqualification from the tendering process.

Name:

Signature of the authorized signatory

Designation:

Date:

Date & time of submission of Expression of Interest

Interested parties / firms are requested to submit their Expression of Interest (EOI) along with supporting documents on or before **19.06.2018 upto 14.00 Hrs. in a sealed cover to Senior Purchase & Stores Officer, Indian Institute of Space Science and Technology, Valiamala P.O, Thiruvananthapuram-695547**. EOI(s) received after the due date will not be considered by IIST.

Special Note: 1. All the relevant certificates/documents should be attached along with the EOI.
2. IIST reserves the right to accept or reject any application without assigning any reasons.

(Sd/-)
(MB Subash Chandran)
Senior Purchase & Stores Officer
