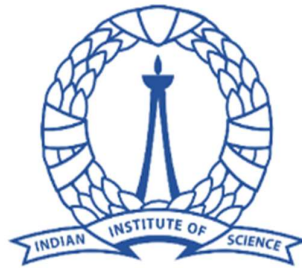


**Invitation for Expression of Interest (EOI) from Eligible
HVAC Consultancy Firms**

TO

**Planning, Design & Preparation of Detailed Estimate for HVAC
at New Biological Science Building in the IISc Campus**

Ref No – IISc/CCMD/EOI-01/2024-2025



**Centre For Campus Management and Development (CCMD)
Indian Institute of Science, Bangalore – 560 012**

I. Background:

The Indian Institute of Science (IISc) invites an expression of interest from HVAC Consultancy firms to participate in **Planning, Design & Preparation of Detailed Estimate for HVAC at New Biological Science Building at in the IISc Campus.**

Indian Institute of Science is a premier research institution of India. In 2011, exactly 100 years after the first batch of students joined IISc in 1911, the Institute began offering a unique 4-year Bachelor of Science (Research) degree programme. This programme is tailored to offer specialisation in a science subject and the knowledge imparted carries a strong flavour of engineering and an exposure to social science disciplines.

Apart from IISc being ranked in the top100 schools in the world (ShanghaiRankings,2013), it was ranked 8th globally in the “bests mall universities” category by the Times Higher Education or THE Rankings (2017). Chemical Engineering department is consistently ranked in the top100 chemical engineering programmes in the world (QS Top university rankings, 2016). It is considered one of the top chemical engineering departments in the country for graduate studies.

IISc is planning to Install a HVAC units at Department of Biological Sciences Building. The department consist of many laboratories, Tissue culture room, Instrument room, lecture hall to conduct the research experiments in a specific temperature. The Department need a centralized Air conditioning systems which shall operate at 18°C± 2°C .

This will be a single stage competition where the conceptual designs submitted by the short-listed Consultancy firms will be evaluated and one Consultancy Firm will be selected.

II. Eligibility Criteria:

- a. Registration- The applicant shall be a company/ partnership / LLP firm registered in India under relevant Act as may be applicable (e.g. Indian Companies Act, 1956/2013; the Partnership Act, 1932 and who have their registered office in India.
- b. Experience-The Consultancy should have atleast 5 years of experience in overall and a minimum of 3 years' experience working on similar assignments with academic institutions and allied agencies as on 30/09/2024.
- c. Past Assignment- The Consultancy Firm must have atleast one completed project handled in the past equivalent to or above a budget of **Rs 10 crore** in the last three years. IISc can demand for the proof of Occupancy Certificate if necessary.
- d. Professional Fees- Applicant should have collected Professional fees of at least **Rs. 5 Lakhs** per year in the last three financial years.
- e. Declaration for Transparency- Applicant should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Govt. of India/ State Govt.

(Please submit self-declaration format as per Annexure)

III. ProjectDetails:

- a. The proposed VRV unit capacity for each lab shall be 30% higher than the actual required capacity.
- b. The HVAC system shall be designed by considering the energy conservation as a main constraint.
- c. The centralized air conditioning systems shall have a facility that it can be monitored and controlled by a remote monitoring system. (i.e. without accessing the laboratory unless until a breakdown occurs)
- d. The existing HVAC units shall be dismantled wing wise and replaced by new units.
- e. The new system design should synchronize with the existing outdoor unit copper pipes, mounting structure.
- f. The department totally have five wings A,B,C,D,E. In that A,B,E wings HVAC load are high. The laboratory contains many equipments like microscope , deep freezers, etc
- g. Expected Cost of project is a maximum of 10 crores.
- h. The details of existing HVAC unit details are given below
Make: Voltas - VRF

S.No	Model No	Capacity	Qty (Nos)
1	MDV-D280W/SN1	10HP-ODU	30
2	MDV-D335W/SN1	12HP-ODU	9
3	MDV-D400W/SN1	14HP-ODU	13
4	MDV-D450W/SN1	16HP-ODU	35
5	MDV-D71T1/N1	2.0TR-IDU	44
6	MDV-D112T1/N1	3.0TR-IDU	21
7	MDV-D140T1/CN1	4.0TR-IDU	1
8	MDV-D200T1/N1	5.0TR-IDU	3
9	MDV-D250T1/CN1	6.0TR-IDU	68
10	MDV-D280T1/CN1	8.0TR-IDU	97
11	Ventilation Unit	1200CFM	6
12	Ventilation unit	2000CFM	15
13	Ventilation Unit	2400CFM	4
14	Ventilation Unit	4450CFM	1
15	Ventilation unit	12000CFM	3

IV. Scope of Work:

- a. To prepare sketch designs /presentation HVAC drawings making revisions as per requirements of Department of Biological Science till sketch designs are finally approved by the competent authority and making preliminary estimated cost.
- b. To prepare architectural working drawings of HVAC units wing wise and all other drawings for various trades infrastructural facilities required for completion of the particular project.

V. Criteria for Shortlisting:

The short listing of consultancy/firms will be done by a committee set up by Competent Authority, IISc.

The criteria used for evaluation would be:

Sl.No.	Criteria	Weightage
1.0	Experience	20
1.1	Number of years in consultancy practice	06
1.2	Past Assignments-experience in dealing with similar Projects listed under V(d)	14
2.0	Technical Aspects	60
2.1	Expertise and experience of key personnel (Separate list of permanent staff with proof of EPF Payments and Temporary staff to be enclosed along with educational qualification details)	20
2.2	Quality of past projects relevant to the current project listed under V(d)	40
3.0	Financial strength	20
3.1	Professional fees collection figure for last three years	20

Documents required for validating eligibility criteria

- Registration- Certified copy of valid registration with the Council of Architecture/ Consultancy, with names and addresses, qualification and registration number allotted by CoA.
- Office Location- Certified copy of the Registration of Practice or other valid relevant document (to be specified by consultancy firm),
- Experience- Certified copy of valid registered partnership deed OR Certified copy of valid JV agreement, if applicable.
- Past Assignment- Details of past projects equivalent to or above Rs 10 crore in the last three years. These projects should involve design of academic campuses, research labs, corporate R&D buildings.

EOI with all enclosures should be emailed to office.cmd@iisc.ac.in or posted to the Office of the Project Engineer-cum-Estate Office, Indian Institute of Science, Sir C V Raman Road, Bengaluru – 560012 on or before **5.00 p.m. on 30.09.2024**. Late submissions will not be considered.

IISc reserves the right to reject any/or all the EOIs without assigning any reasons whatsoever.

Annexure

Self-Declaration Format

Ref. No.:

Date:

To,
The Registrar
Indian Institute of Science

With reference to my/our expression of interest to IISc, it is hereby declared that I/ (name of firm) was not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period by any Govt or other agency.

I/ (name of firm) also declare that there are no contractual restrictions or legal disqualifications or other obligations which will prohibit from me/us entering this bid and each and every one of the statement and particulars contained herein are correct.

Signature of the Applicant

Date:

Place:

Seal