

Expression of Interest for DATA CENTER of IIIT-Delhi
Campus Okhla Ph-III, New Delhi



Indraprastha Institute of Information Technology (IIIT Delhi)

(An Institution with State University Status, created by Govt. of Delhi)

Indraprastha Institute of Information Technology (IIIT) Delhi

Okhla Phase –III

Near Govindpuri Metro Station

011-26907400

www.iiitd.ac.in

About IIITD:

IIITD is an autonomous technical institute based in New Delhi engaged in academic, research, and digital enablement activities. IIITD intends to establish an in-house data center to support campus IT infrastructure, digital services, academic applications, and future research workloads.

Objective :

The objective of this Expression of Interest (EOI) is to shortlist qualified firms for the **design, supply, installation, integration, testing, and commissioning of a Tier III compliant passive data center** at IIITD campus in New Delhi.

Project overview

- I. IIITD is planning to set up a Data Center at their existing campus at New Delhi. To accomplish this IIITD floating Expression of Interest. The shortlisted bidders will be call for presentation and detailed discussion and thereafter RFP will be prepared and floated among the shortlisted bidders.
- II. IIITD is planning to establish a new Data Center in approximately 1500 sq.ft of space, complete with all necessary infrastructure.
- III. It is proposed to build the new Data Center for 28-30 racks.
- IV. The bidder has to undertake Design, construction of the Data Center as per standard Data Center design practices. Technical requirements has been specified in the concerned section of this document for the guidelines, however it is the responsibility of the bidder to provide the solution as per the standard data center guidelines. Bidder has to do the detailed site survey and propose the solution understanding the complexity of the Data Center build.
- V. The bidder must also provide the required infrastructure with redundancy of critical components like UPS with Battery, Precision-AC etc.
- VI. Since the DC needs to be built in the existing building, care must be taken that the existing superstructure of the building and the operation is not damaged/ disturbed while the new DC is constructed.
- VII. The bidders should conduct a site survey and submit the preliminary plans, and other illustrations as required for the design of DC. The structural plans, Data Center diagram and layout plan, electrical and civil design plan should be submitted to IIITD.
- VIII. The bidder must possess the requisite experience, strength and capabilities in building Data Center infrastructure and providing the services necessary to meet the requirements, as described in the bid document. The bidder must also possess the technical know-how and the financial capability that would be required to successfully build the Data Center. The bids must be complete in all respects and should cover the entire scope of work as stipulated in the bid document. The bidder shall furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the supply and installation.

1. Submission of expression of interest

- 1.1. Interested bidders are requested to submit an expression of interest document with design and budgetary price latest by **20 March 2026 3:00PM** at the **A-107 Old Academic Building IIT Delhi Okhla Phase-III near Govind Puri Metro station New Delhi-110020**, in a sealed envelope. Bidders can come at 3:30 pm on the last day of submission for attendance.
- 1.2. They will also be required to make a detailed presentation to a technical committee
- 1.3. Tentatively in the Second week of April 2026. The exact date of the presentation will be intimated
- 1.4. The EOI document and the presentation should provide the broad design approach and mention all standards that will be adhered to.
- 1.5. Strict confidentiality of the submitted documents will be guaranteed.
- 1.6. IITD reserves the rights of the title and use over the concept and layout/designs of the Data Center provided by the bidders.
- 1.7. For any query mail at tenders@iiitd.ac.in

2. Eligibility/Pre-Qualification criteria

S. No.	Basic Requirement	Specific Requirements	Documents Required	Compliance (Yes/No)
1	Bidder Entity	Joint ventures or Consortiums are NOT allowed to bid or meet the eligibility criterion. Bidders should bid on their own strength and meet all eligibility criteria.	The bidder is required to furnish a self-declaration on letter head.	
2	Legal Entity	The bidder should be a company registered under Indian Companies Act,	a) Certificates of incorporation	

		1956 or a partnership firm registered under Partnership Act or a proprietorship firm.	b) Registration Certificates	
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3	Turn Over	The Bidder should have an aggregate annual turnover of Rs. 10 Cr. in the last three financial years or annual turnover of Rs. 5.00 Cr. in any one of last three financial years.	Certificate from the Chartered Accountant based on Extracts from the audited Balance sheet and Copy of Profit & Loss Account.	
4	ISO certificate	ISO 9001-2012 or better	Copy of certificate to be submitted	
5	Bidder's Supply /Works Experience	The bidder must have successfully executed establishment of three Tier3 Data Centre with at least one TIER III certified DC in India. The single similar order value should 4Cr each Or Two similar works of Rs 3 Cr. each Or Three similar works of Rs 2 Crs each in any one of last five financial years ending Feb2026	The bidder is required to furnish the details of the supply order (PO) and implementation (Implementation Certificate)	
6	Tax registration	The Bidder should have a registered number of a. GST Registration b. Income Tax / Pan Number	Copies of relevant(s) Certificates of registration.	
7	Non Blacklisting	The bidder should not have been blacklisted in the past by any Govt. Agency. An undertaking to the effect that "the bidder should not have been banned/blacklisted by any	The bidder is required to furnish a self-declaration on 100 Rs. stamp paper.	

		Govt. Department, Central Govt. Unit/PSU/Financial Institutions/court during preceding three financial years ending March 2026", is to be submitted.		
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8	Support Center/Office in Delhi/NCR	Bidders should have a full-fledged service and support center at Delhi / NCR. The Bidder must submit details of their office and also the responsible officer. There must be an independent technical person to support installation and post maintenance.	The bidder is required to furnish a self-declaration on letter head.	
9	Datacenter Operations Experience	The bidder should have an experience in providing onsite support for DC operations and DC management services.	Documentary proof including work orders and certificate from clients	
10	General Conditions	a) The bidder shall provide a list of the OEMs / main technology partners whose equipment / solutions are being offered and should be OEM/Integrator partnerships for critical components	Partnership document proof is required for critical components.	
12	Technical staff	The bidder must have on its roll adequate number of technically qualified professionals in systems integration, product installation, commissioning and related services out of which 2 should have certified as Data Center professional (CDCP) ,2 CDCS,2 Electrical consultants for designing the Electrical system,2 Mechanical consultants for designing the HVAC and other systems.	Need document proof with pay slips, also need the presence of these professionals during presentation.	

3. Evaluation Criteria

- 3.1 Pre-qualification as per above (Accept/Reject)
- 3.2 Requirement understanding (10 marks)
- 3.3 The bidder must demonstrate understanding and capability to design and deliver Tier III compliant data centers as per Uptime Institute guidelines and relevant industry standards - UPTIME, ASHRAE etc. (20)
- 3.4 Efficiency of design approach in terms of space, power and cooling. Solution innovation towards achieving high efficiency of operations. PUE/DCIE. Value addition. (20marks)
- 3.5 Organization experience and commitment to Data Center practice. Past record in Data Center construction and maintenance. In-house resources with relevant experience for Data Center projects. (20 marks)
- 3.6 Project execution methodology proposed. (10 marks)
- 3.7 Technical Presentation. (20 marks)

Bidders qualifying under the first evaluation criterion (Pre-Qualification) will proceed to evaluation against the remaining parameters. Bidders must obtain at least **60 marks** out of 100 to be shortlisted. Final RFP will be prepared and floated among the shortlisted bidders.

4. EOI Submission Requirements

As a part of the expression of interest the bidder should submit

- 4.1 Basis of design and analysis of cooling solution at full load conditions including full details of assumptions made and the specific tools/software/references/standards used for the same.
- 4.2 The PUE calculations should be carried out as a part of the design
- 4.3 The environmental conditions for estimating the annualized average PUE should be taken for Delhi
- 4.4 Projected average annual PUE based on hourly analysis for Delhi.
- 4.5 PUE data of any operating modern Data Center in India for 1 year (during last 3years).
- 4.6 Tentative makes/models (1 or more) of equipment such as UPS, cooling tower, PAC, racks etc.
- 4.7 Company profile and registrations
- 4.8 Relevant data center project experience
- 4.9 Partnership/OEM certifications
- 4.10 Preliminary execution methodology
- 4.11 Indicative delivery timelines
- 4.12 Client references

Bidders can submit more than one design option if they so wish.

5. Technical Specification for Data Center

Broad functional requirements and design Parameters

- 5.1. The Data Center shall be designed based on industry standards. All individual components used in the construction shall conform to Data Center best practices and industry standards.
- 5.2. The bidder shall be responsible for managing the entire project from commencement to final handing over of the facility to IIITD

- 5.3. The Bidder is required to provide detailed architectural diagrams and other illustrations like conceptual architectural plan, electrical layouts, false ceiling layouts; etc., for the envisaged DC.
- 5.4. The Data Center completes in all aspects to be handed over with all systems tested and accepted to IIITD.
- 5.5. Construction to be undertaken based on mutually agreed upon layout.
- 5.6. On completion of the project a training shall be imparted to the IIITD officials on the various installed components
- 5.7. The equipment/ systems supplied shall be covered under minimum warranty for 5 years from the date of commissioning for 24 x 7 support.

6. Scope of Work (High-Level)

The proposed passive data center facility shall include, but not be limited to:

6.1 Passive Infrastructure:

- Raised flooring
- Hot/Cold aisle containment
- Server & network racks (approx. **30 racks**)
- Cable management trays & pathways

6.2 Power & Electrical Systems:

- Dual power distribution paths (Tier III requirement)
- UPS systems with battery banks
- Power panels, breakers, earthing, and surge protection
- Intelligent PDUs

6.3 Cooling & Environmental Systems:

- Precision air conditioning (PAC/CRAC units)
- Cooling distribution & containment
- Temperature & humidity monitoring

6.4 Fire & Safety:

- Fire-rated walls/doors
- VESDA / Gas-based fire suppression
- Access control & CCTV integration

6.5 Monitoring & BMS:

- DCIM / BMS for facility monitoring
- Environmental & electrical parameter visualization

Other Requirements for Data Center

1. Real-time monitoring of temperature and relative humidity at various locations in the Data Center and alert after certain thresholds
2. Alarm indicators for component failures.
3. There should be facilities for periodic reports (including uptime reports) of all aspects of the Data Center.
4. Passive cabling for all racks within the Data Center.
5. Fire detection and suppression system.
6. Environmental monitoring and water leak detection system.
7. Rodent repellent system.
8. Video surveillance system.
9. Access control system.
10. Voltage spike arrestor

7. Procurement Approach

After evaluation of EOIs, IIITD will issue a Restricted RFP only to shortlisted firms. Depending on the nature of solutions and compliance requirements, IIITD reserves the right to adopt either:

- QCBS (Quality & Cost Based Selection) — Technical + Financial, or
- L1 (Lowest Cost Selection) — Financial only

Selection methodology will be declared in the RFP stage.

Disclaimer

This EOI is for information-gathering and shortlisting only. IIITD reserves the right to:

- Reject any/all submissions
- Modify scope
- Issue a restricted RFP only to selected parties

This EOI does not constitute a financial commitment or binding contract.

Clause

IIITD reserve the right to accept or reject any tender without assigning any reason thereof. All cost and expenses associated with submission of EOI shall be borne by the bidder while submitting the EOI

Invitation for EOI and IIITD shall have no liability, in any manner in this regard, or if it decides to terminate the process of short listing for any reason whatsoever.

Bidders, if they chose, may prior to submitting their Expression of Interest, visit IIITD with prior appointment

Contact – 011-26907574 or 011-26907576

For any query, please write on tenders@iiitd.ac.in

All queries, clarifications, and requests for additional information regarding this EOI document shall be submitted in writing on or before 11th March 2026 up to 05:30 PM (IST).

Queries received after the stipulated date and time shall not be entertained, considered, or responded to under any circumstances.

Bidders are advised to ensure timely submission of their queries within the prescribed deadline.