



IISER Mohali

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित
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CPPP/Institute Website/Newspaper

IISERM (711)16/17Pur

16th November 2016

TENDER NOTICE

Sealed tenders are invited in **TWO BID SYSTEM** {Technical and Commercial separate, (i) Technical bid envelope contain- Technical write-up, EMD and tender fee (ii) Commercial bid envelope contain price detail. Technical and commercial bid should be sealed in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed} are invited for the supply and installation of Data Centre Infrastructure along with EMD to be submitted by DD /Banker Cheque/FDR/ Bank Guarantee for Rs 1,20,000/- and Tender Fee of Rs 1,000/-(non-refundable) through DD in favour of the Registrar, IISER Mohali payable at Mohali, so as to reach us latest by **7th December 2016** on or before 1 pm and will be opened on the same day at 4 PM.

Sr.	Description
01	Data Centre Infrastructure (As per enclosed specification)

INSTRUCTIONS

1. The Quotation should be addressed to the Assistant Registrar (S&P), IISER Mohali should on the top of the envelope invariably give Reference number with due date and time of submission of quotation. Quotation should be submitted directly by the original manufacturer/supplier, If quotation is submitted by any representative/agent/dealer then they must have to produce a authority certificate of principal party for quoting the price otherwise it will be very difficult at this end to consider such quotation.
2. One time importers from China with custom made specifications are highly discouraged.
3. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the bid, IISER Mohali reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment/modification will be notified to bidders receiving the bidding document in writing or fax/ email and will also be hosted on IISER Mohali website.
4. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the **Ex-works/FOB/FCA/CIF/CIP** price clearly. Conditional tenders will be summarily rejected

5. In case of Ex-godown terms the amount of packaging forwarding freight etc should clearly be indicated by percentage or lump sum amount. Institute has policy **not to make any advance payments** towards any purchase, Letter of credit can be opened if required.
6. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no-51/96 –CUSTOM DATED 23/7/1996 AND DSIR REGISTRATION NO TU/V/RG/-CDE(1062)/2011 DT. 02/09/2011 / EXCISE NOTIFICATION NO. 10/97- CENTRAL EXCISE DT. 01.03.1997
7. TAX: - This Institute is not exempted from the payment of Sales Tax/Service Tax/VAT. The current rate (i.e. percentage of Sales Tax should be clearly indicated included or excluded) wherever chargeable. Please also provide the copy of PAN card, TIN number, Service tax number, Sales tax number duly self-attested.
8. The delivery period should be specifically stated. Earlier delivery will be preferred
9. The firms are requested to give detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
10. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee for 10 % of the value of supply order for warranty periods as per norms may be sought from firms.
11. Late or delayed quotation will not be accepted.
12. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved. For any corrigendum and addendum our website may please be checked regularly.
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

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(Mukesh Kumar)
Assistant Registrar (S&P)

Data Centre Infrastructure

- A) Bids are invited to develop data centre infrastructure at IISER Mohali. The requirements are:
1. Two 42U racks for Servers and Workstations.
 2. Present power requirement is expected to be 30 kW and the maximum power usage for this facility is 50 kW.
 3. Redundant power supply for all equipment.
 4. Power backup with inbuilt redundancy with a backup time of 30 minutes for maximum power usage envisaged.
 5. Chilled water based rack cooling systems.
 6. Blanking panels for unused slots in server racks.
 7. Power backup for cooling systems.
 8. UPS with three phase input. UPS and batteries are to be enclosed inside racks. The entire unit must come with fire safety certifications. A phase sequence corrector should be built into the UPS or supplied with it. Racks used for UPS and batteries is separate from the two racks for compute equipment.
 9. Equipment and environment monitoring with web interface, e-mail and SMS alerts in case of an alarm. It is the responsibility of the vendor to arrange an SMS gateway, SIM card or any other material required for the alerts.
 10. Cable management.
- B) This is to be arranged in a hall (7m x 8m) with false ceiling at a height of 2300mm. Chiller water will be made available inside the hall. Input power will be available from multiple points, within a distance of 10m from the hall.
- C) Interested parties may visit the site on Dec.1, 2016 between 2:00pm-4:00pm. Queries about all aspects of the tender will be entertained at the same time. Apart from the given time/date slot, vendors are requested to send queries by e-mail to headcc@iisermohali.ac.in
- D) Three years of comprehensive onsite warranty must be quoted for all components. As an option, extending this for two more years should be quoted in the financial bid.
- E) The supplier will be expected to post an engineer on site for two weeks after completion of installation.
- F) Training of our staff members for administration, management and usage of all equipment is to be provided on site as a part of this order.
- G) Technical and financial bids must be submitted in separate sealed envelopes.
- H) Comparison of bids for proposals that meet the basic criterion will be made on the following technical grounds:
- I) Acceptability of the proposed solution: 30 points.
 - II) Efficiency of the proposed power backup system: 10 points.
 - III) Power usage of the proposed cooling system; 10 points.
- I) 50 points will be reserved for comparison of financial bids.

J) Technical data to be submitted by the vendor:

S. No.	Item	Details
1.	Contact E-Mail IDs for technical clarifications and other notices (up to three e-mail IDs may be given).	
2.	Model Number for Server racks	
4.	Model Numbers for Power Distribution units used inside racks.	
6.	Details of remote monitoring of PDUs over the network, if available.	
7.	Size of PDUs in terms of slots used in server racks.	
8.	Model Number for the cooling unit and accessories used in the proposed solution.	
10.	Nominal cooling capacity of the proposed cooling units.	
11.	Cooling capacity of the proposed cooling units if the return air is at 35° C	
12.	Details of remote monitoring and alarm systems for the cooling system over the network.	
13.	Model Number for the false floor and accessories used in the proposed solution.	
15.	Model Number for the UPS, PDUs and Distribution boxes used in the proposed solution.	
17.	Data on efficiency of the UPS system at half load, and at 90% load.	
18.	Data on backup time for each UPS at half load, and at 90% load.	
19.	Details of remote monitoring and alarm systems of UPS over the network.	
20.	Model Number for environmental monitoring used in the proposed solution.	

K) A detailed write-up of the overall solution highlighting various aspects must be submitted as the core of the technical bid.

- L) A hard copy of detailed technical specifications for each and every component must be submitted with the technical bid.
- M) A list of fire safety and other safety/security related certifications for each equipment must be submitted with the technical bid. All quality and safety compliance certificates should also be listed in the technical bid.
- N) In addition, the following diagrams must be submitted with the technical bid.

S. No.	Item
1.	A detailed sketch/line diagram of the proposed solution with dimensions.
2.	A detailed circuit diagram of the proposed solution for power supply and backup.
3.	A detailed diagram of chiller flow in the proposed solution.

- O) Bids must be accompanied by an authorization from each OEM. The authorization should be specific to this bid and should quote the Tender Number.