

**INDIAN INSTITUTE OF TECHNOLOGY GOA**

At Goa Engineering College Campus

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TAN: BLRI08261B

**Enquiry No: IITGOA/2018-19/124**

**Date: 15/03/2019**

IIT Goa invites sealed quotations in two bid form for the supply of below mentioned item.

<b>Sl. No.</b>	<b>Description of Item</b>
1	Upgradation of supermicro server by adding 04 compute nodes and accessories <b>(Detailed Specifications Attached)</b>

**Terms and conditions:**

1. Quotation must be valid for at least 90 days.
2. The GSTIN should invariably be mentioned in your offer.
3. Kindly attach a compliance certificate along with the technical quote.
4. Prices:

**I) For Import Supplies:**

- a) It is mandatory to quote price in CIF/CIP Goa basis only with separate cost breakup.
- b) In case of multiple options of same product, bidders are requested to quote only one best option and not multiple options.
- c) All local taxes, customs duty and clearance charges will be borne by the Institute as applicable.
- d) Payment terms: 90% payment by letter of credit and balance 10% will be paid by wire transfer after satisfactory installation and commissioning.

**II) For Indigenous Supplies:**

- a) In case of multiple options of same product, bidders are requested to quote only one best option and not multiple options.
  - b) Payment terms: Within 30 days after the delivery and installation of the item at IIT GOA.
5. Delivery and installation should be made within 4-6 weeks of getting a confirmed order.
  6. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.

7. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason.
8. Quotations shall be submitted in two parts;
  - 1) **Part – I (Technical)** should contain all the technical details and specification of the product. It should contain unpriced bid along with terms and conditions, compliance certificates, proprietary certificates (if applicable), any other certificates/details etc. This envelope should be marked as “Technical Bid”
  - 2) **Part -II (Financial)** The financial bid of the above item should be in a sealed envelope marked as “Financial Bid” and should contain financial terms and conditions.
9. For any clarification, you may kindly contact Dr. Sudipta Kanungo (e-mail: [sudipta@iitgoa.ac.in](mailto:sudipta@iitgoa.ac.in)) and Stores & Purchase Department (email: [purchase@iitgoa.ac.in](mailto:purchase@iitgoa.ac.in)) till 25/03/2019.
10. All sealed quotations must reach to the Assistant Registrar (Stores & Purchase), IIT Goa, at Goa College of Engineering Campus, Farmagudi, Ponda, Goa by 17.00 Hrs on or before 05<sup>th</sup> April, 2019”.

**Sd/-**  
**Asst. Registrar (S&P)**

## Specification for the purchase of “Up-gradation of Supermicro Server”

### **A. One set of Supermicro make Four (04) hot-swappable compute nodes in 2U enclosure.**

The specification for each node as following

Processor	2x Intel Broadwell E5-2650v4 (12 cores, 2.2 GHz, 30M, 8 GT/s) (Ready 24 cores)
Chipset	Intel C612Express chipset
RAM	6 x 16GB (total 96 GB) DDR4-2400 ECC REG. (Max 08 DIMMS)
HDDs	1 x 1000 GB SATA Ent 3.5” HDD
RAID	RAID 0, 1, 5 onboard
Management	Onboard IPMI 2.0
Graphics	Onboard graphics
NIC	Dual Intel Ethernet Onboard
Ports	1 x serial, 2 USB 3.0, 1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management port
Chasis	2U rack mountable (4 hot-pluggable server nodes in a single 2U chasis)
P. Supply	1600W Redundant Power Supplies Titanium Level (96%)
OS	CentOS Enterprise Linux
Warranty	Minimum 03 (three) years onsite + parts + labor

### **B. Secondary Interconnect: 01 (One)**

D-Link 24 ports 10/100/1000 Mbps Gigabit Ethernet Switch

### **C. Cluster Management Software for HPC**

- ◆ Cluster Management through commercial supported cluster management software and compilers.
- ◆ Supports both GPU and CPU based hybrid cluster.
- ◆ Software is capable of provisioning and managing the cluster.
- ◆ Support user account management from the master node.
- ◆ All patches and upgrades for the above software will be provided during the 03 years of warranty periods.

### **D. Rack: 01 (One)**

Door locked, movable 32U, 19” rack with sufficient PDU’s.

**Scope of work:** Racking of compute nodes, Installation of operating systems, Cluster management server, interconnecting with previous nodes, and installation of required external softwares (provided viz. VASP, Wien2K etc.).

**The eligibility criteria, required documentation, terms and conditions for participation in the bid are mentioned below:**

1. The bidder must be an Original Equipment Manufacturer (OEM) or its Authorized Dealer/Channel Partner having a Direct Purchase and Support agreement with the OEM. In case, the bidder is a Dealer, a valid LETTER OF AUTHORIZATION from OEM should be produced along the bid. Documentary evidence to this effect must be produced along with technical bid.
2. An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.
3. Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid.
4. Based on the asked specifications, bidder must mention clearly the model Name/No. (if applicable) and Brand, in the quotation, without which quotation will not be considered.
5. Bidder must produce the documentary evidence of experience in installation/ maintenance of cluster edition of external softwares like VASP, Wien2K in the HPCC in MPI/OpenMPI mode.
6. The bidder should be registered under the Companies Act 1956 or a registered firm. Registration certificate to this effect must be produced. The bidder/OEM must have registered/support office either in Goa, Karnataka, Maharashtra, with well established Service Centre. The bidder should mention in the Techno-Commercial bid the availability and names of “Application Specialist and Service Engineers” in the nearest (Goa, Karnataka, Maharashtra) regional office. Documentary evidence to this effect must be produced along with technical bid.
7. The bidder should have average annual sales turnover of Rs.3 Crores or more during the last three financial years ending 31<sup>st</sup> March 2018. Attach firm’s last 3 years audited profit and loss account balance sheet duly audited by C.A. Documentary evidence to this effect must be produced along with financial bid.
8. Bidder must be in existence in the HPC business in India, for **at least in the last six years**. Documentary evidence to this effect must be produced along with technical bid.
9. The bidder should ensure that: (i) Access to 24 x7 online support for 04 years from Technical Assistance Center of OEM/bidder for resolution of problems with the help of online tools and technical assistance (ii) Onsite support of minimum of 04 years (ii) Defective part replacement during warranty period (04 years) within 5 working days with Advance Replacement Policy

10. The OEM/Bidder must have an India based support infrastructure by maintaining a local spares depot in the country. This is to ensure immediate delivery of spare parts from OEM to its channel partner/system integrator.
11. Bidder should provide complete documentation about the Rack layout, power, cooling and electrical infrastructure required at IIT Goa along with the technical bid.
12. Bidder should be registered under GST Act with concerned State Sales Tax Authorities. The bidder should furnish along with the bid document, the relevant GST Registration Document and PAN / TAN copies. Documentary evidence to this effect must be produced along with financial bid.
13. List of present Central Govt. academic/research institution clientele (**at least three** such supply), preferably in the Maharashtra, Karnataka, and Goa to whom identical/ similar or above equipment has been supplied in the preceding **three years** must be produced with contact addresses & telephone numbers. Documentary evidence (both number and values) to this effect must be produced along with technical bid.
14. The bidder should separately provide an itemized price list for each hardware item, software bundle, service and warranty. This list has to be included with the financial bid.
15. The bidder should quote unit prices for every component. The prices can be in CIF/CIP Goa in INR. GST and any other applicable charges (for example shipping and installation) should be mentioned separately.
16. IIT Goa has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.
17. The bidder shall ensure that the bid submitted by him includes all equipment, hardware and software for full execution of contract to be awarded and cannot charge extra for additional hardware and software items required to meet the operational requirement at the installation and commissioning stage.
18. If any of the equipment supplied by the bidder is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the bidder with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms and conditions, IIT Goa, may consider "Banning/Blacklisting" the supplier.

19. Warranty:

The bidder should provide on-site comprehensive warranty, parts, labor and support of **minimum 03 (three) years**.

Bidders must give the comprehensive on-site warranty as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *“everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments as specified in the tender document”*.

Any deviation in the material and the specifications from the accepted terms may be liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.

(i) Warranty period shall be from date of installation of Goods/machine at the IIT Goa site of installation. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract.

(ii) Bidder shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter. The items covered by the schedule of requirement shall carry minimum **three years (03) comprehensive warranty from the date of acceptance of the equipments by IIT-Goa**.

(iii) **Warranty shall include free maintenance** of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 48 hours. The comprehensive warranty includes onsite warranty with parts. If any problem exists even after several attempts of the local service engineer, **a service engineer from the principal OEM Company should attain the problem**.