

# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF CENTRAL LIBRARY

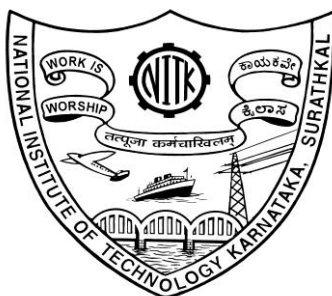
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.

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Fax: (0824) 2474033

Website: <http://www.nitk.ac.in>



## TENDER DOCUMENT

Tender Notification . No. NITK/Lib/OL/2018-19

Dated : 24/10/2018

**Name of Goods : RACK SERVER**

Estimated amount put to Tender : Rs 6 lacs

E M D Amount : Rs. 12000/-

Time for Supply of item : 30 Days.  
after release of Purchase order

Last Date for submission of tender : **16/11/2018 before 5.00 PM**

Address for Submission of Tender :

Dr. Mallikarjun Angadi  
Librarian | Central Library  
National Institute of Technology Karnataka, Surathkal  
Srinivasanagar MANAGALORE 575 025

Ph: 0824-247 3061 / 4062 | Cell: 9892907384

e-Mail: [mallikarjun@nitk.edu.in](mailto:mallikarjun@nitk.edu.in) | URL: <http://library.nitk.ac.in>

Date of opening of technical bid : 20/11/2018 at 11.30 AM (if possible)



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Date: 24/10/2018

**NOTICE INVITING TENDER (NIT)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous body under Ministry of HRD Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Tenders are invited for the following items in **two cover system** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the same day if possible in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

- 1. Name of Goods : RACK SERVER**
- 2. Estimated Cost : Rs 6 LACS (Rupees Six Lacs)**
- 3. E M D : Rs. 12000 (Rupees Twelve Thousand Only)**
- 4. Time for completion of Supply after Placing Purchase Order : 30 days**
- 5. Last date at time for submission of Tender : 16/11/2018 before 5:00 PM**
- 6. Tender to be submitted at the following address :**

Dr. Mallikarjun Angadi  
Librarian | Central Library  
National Institute of Technology Karnataka  
Surathkal, Srinivasanagar MANAGALORE 575 025

Ph: 0824-247 3061 / 4062 | Cell: 9892907384  
e-Mail: [mallikarjun@nitk.edu.in](mailto:mallikarjun@nitk.edu.in)  
URL: <http://library.nitk.ac.in>

- 7. Place, Date and Time of opening of technical bid:**

Date : 20/11/2018      Time : 11 : 30 AM      VENUE: Digital Library Room, Central Library

Note: Institute shall not be responsible for any postal delay about non-receipt /non delivery of the bids or due to wrong addressee.

**Sd/-  
Librarian**

## **SECTION 1 : INSTRUCTION TO BIDDER (ITB)**

### **1. The bid should be submitted in two cover system-Technical Bid and Financial Bid:**

**1.1 Envelope No.1 – Technical Bid:** The agencies should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the agency/ profile should be furnished along with the copy of all related documents. This envelope should be sealed and duly super-scribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the agency should also be mentioned on envelope and should be addressed to The Director, NITK, Surathkal.

### **1.2. Documents to be submitted in the technical bid:**

- a) The agency should possess Licence certificate for manufacture /supply of the item.
- b) List of Owner/partners of the firm and their contact numbers
- c) The agency should possess Income tax PAN Copy.
- d) The agency should possess registration and GST number.
- e) Catalogue of the Product with detailed product specifications.
- f) List Service Centres
- g) List of customers with contact details.
- h) The average annual turnover should not be less than 30% of the estimated cost put to tender/quotation for the job work. The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed
- i) **Warranty Period Offered for the tendered item to be specified. If the Warranty period is not conforming to the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.**
- j) **EMD in original form valid for minimum six months, through Bank Guarantee only drawn on any scheduled bank in favour of “Director NITK, Surathkal”, payable at Surathkal should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected.**
- k) **Contract form given in section 5 need to be submitted.**

**The above documents should be furnished in the technical bid envelope.**

**2. Envelope No.2 – Financial bid:** The agencies should submit their financial bid as per the format given in Section 4 of the Notice Inviting Tender in this cover. The rate should be quoted both in words and figures. All the pages of the financial bid should be signed affixing the seal. All corrections and overwriting should be initialled. This envelope should be duly superscribed as “**Envelope No. 2 – Financial bid**”. Full name and address of the agency should also be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal.

**Both the Envelope No. 1 and 2 should be kept in another separate envelope duly superscribed with the following details.**

**(i) Tender Notification Number (ii) " Tender for the supply of.....", (iii) Not to Open before (Date and Time)**

**Mention “Kind Attention: Contact Person’s Name and Phone Number” , and submit at the address given in the Notice Inviting Tender.**

3 The tender will be acceptable only from the **manufacturers or its authorised supplier.**

4. The Institute **reserves the right to visit to the factory** before or after issue of supply order to satisfy itself regarding quality of production. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.
5. **The Financial bid shall be in the format of Price Schedule given in Section 4. The Contract form as per format given in section 5 shall be submitted. Incomplete or conditional tender will be rejected.**
6. Details of item to be carried out, approximate quantity and the specifications are mentioned in “**Section 3**” appended to this Notice Inviting Tender.
7. **The item to be used is strictly according to the specification and subject to test by the institute/concerned authorities. It must be delivered and installed in good working condition.**
8. The Institute **reserves the right to cancel or reduce the quantity** included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
9. **Performance Security of 5 % of contract value in terms of Bank Guarantee by scheduled banks shall be given by the successful bidder for the total period of Warranty.**
9. **Release of EMD:** The EMD shall be released after receipt of performance security from successful bidder.
- 11 **Validity of bids:** The rate quoted should be valid for a minimum of 90 days.  
No claim for escalation of rate will be considered after opening the Tender.
12. **Imports: In case, Goods are to be Imported, the Indian agent should furnish authorisation certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.**
13. Clarification of Tender Document:  
A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids
14. Amendment of Tender document: At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.
15. **Institute may at its own discretion extend the last date for the receipt of bids.**
16. The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid , the English translation shall govern.

17. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.
18. The bidder should give the following declaration while submitting the Tender.

### **DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case , if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we am/are liable to be banned from doing business with NITK, Surathkal and / or prosecuted.

**Signature of the Bidder** : \_\_\_\_\_

**Name and Designation** : \_\_\_\_\_

**Business Address** : \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Seal of the Bidder's Firm**

**Date :**

19. Any other details required may be obtained from the contact person given in the notice inviting tender during the office hours.

## **SECTION 2: CONDITIONS OF CONTRACT.**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. In case of import both CIF and/ or FOB rate should be quoted. All components of expenditure to arrive at Bangalore need to be explicitly specified.
- 3 The bidder shall indicate the excise duty exemption for the goods if applicable.
- 4 The institute is eligible for customs duty exemption, excise duty exemption, issuance of form D.
5. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
6. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
7. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.  
**In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.**
8. Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this tender document.
9. Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
10. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

### SECTION 3 : SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Center of NITK, Surathkal ]

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Item(s) Name to be Procured : **RACK SERVER**

Type (Equipment / Software / Furniture / Others) : **HARDWARE**

Brief Specifications of the Item(s)  
(Attach Additional Sheet if necessary) : **ANNEXURE-I**

Quantity : **ONE**

Any other details / requirement : **NA**

Warranty Period required : **FIVE YEAR**

Delivery Schedule expected  
after release of Purchase order  
(In Weeks) : **FOUR WEEKS**

EMD (in Rupees) : **Rs. 12000/-**

Performance Security to be given  
by Successful Bidder after release of  
Purchase Order (in Rupees) : **5%**

## SECTION 4: PRICE SCHEDULE

[To be used by the bidder for submission of the bid]

- 
1. Item Name :
  2. Specifications  
(Conforming to Section 3 of  
Tender document- Enclose additional  
sheets if necessary) :
  3. Currency and Unit Price :
  4. Quantity :
  5. Item Cost (Sl No. 3 \* Sl. No. 4) :
  6. Taxes and Other Charges :  
(i) Specify the type of taxes and duties  
in percentages and also in figures.  
(ii) Specify Other Charges in figures.
  7. **Warranty Period** :  
**(Conforming to the Section 3 of  
Tender document- This should be  
mentioned in technical bid also in  
order to get qualified for financial bid)**
  8. Delivery Schedule :  
(Conforming to the Section 3 of  
Tender document
  9. Name and address of the Firm for :  
placing purchase order
  10. Name and address of Indian authorized  
agent ( in case of imports only) :

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**



## SECTION 5: CONTRACT FORM

[To be provided by the bidder in the business letter head]

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1. (Name of the Supplier's Firm) hereby abide to deliver the by the delivery schedule mentioned in the section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Seal of the Bidder's Firm**

**Date :**

## ANNEXURE-I

Component	Description
Make & Model	<b>Rack Server</b>
ISO Certification	Manufacturing facility/brand should be ISO 9001:2008, ISO 14001:2004 & ISO/IEC 27001: 2013 certified.
Chipset	Lewisburg PCH Intel C621
Form Factor	Max. 2U rack mounted with sliding rails
Configured CPU	<b>Processor: 2 no's x Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W) DDR4-2400 should be Upgradable to two Intel® Xeon® Scalable processors, up to 28 cores per processor</b>
Memory slots	24 DDR4 DIMM slots RDIMMS & LR DIMMS supporting speeds up to 2666MT/s. Optionally support up to 12 DIMM & 12 NVDIMM
Memory configured	<b>128GB RAM, 4 no's x 32GB DDR4 RDIMM 2666MT/s ECC Dual Rank RDIMM</b> scalable to 1.5TB
Disks supported	Front drive bays: Up to 16 x 2.5" SAS/SATA/SSD, , Up to 8 x 3.5" SAS/SATA,
RAID Controller	12Gbps PCIe 3.0 with RAID 1, 5, 6, 10, 50 with hardware RAID 8GB Non Volatile Flash Backed Cache
Disks configured	<b>4 no's x 4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive (approximate 12TB of after RAID configured raw space)</b>
DVD writer	<b>DVD RW</b>
I/O slots	Up to 8x PCIe Gen3 Slots
GPU Support	Upto 3 DW and 6 SW GPU cards
Ethernet ports	<b>Total 4 no's of 10Gb Ports + 2 no's 1Gb ports.</b> 2 no's x Broadcom 57416 2no's Port 10Gb Base-T + 5720 2 no's Port 1Gb Base-T, rNDC
Certification and compliances	Microsoft Windows Server, Hyper-V, VMWare, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES)
Power Supply	<b>Platinum rated redundant Power Supply (1+1) 800W or above</b>
SD Modules slots	Dual SD Module slots supporting redundant configuration
Management integration	Support for integration with Microsoft System Center, VMware vCenter, BMC Software
Power & temperature	Real-time power meter, graphing, thresholds, alerts & capping with historical power counters. Temperature monitoring & graphing
Pre-failure alert	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD

Configuration & management	<ul style="list-style-type: none"> <li>• Real-time out-of-band hardware performance monitoring &amp; alerting</li> <li>• Agent-free monitoring, driver updates &amp; configuration, power monitoring &amp; capping, RAID management, external storage management, monitoring of FC, HBA &amp; CNA &amp; system health</li> <li>• Out-of-band hardware &amp; firmware inventory</li> <li>• Zero-touch auto configuration to auto deploy a baseline server configuration profile</li> </ul>
Management (continued)	<ul style="list-style-type: none"> <li>• Automated hardware configuration and Operating System deployment to multiple servers</li> <li>• Zero-touch repository manager and self-updating firmware system</li> <li>• Virtual IO management / stateless computing</li> <li>• Support for Redfish API for simple and secure management of scalable platform hardware</li> </ul>
LCD panel	Should display system ID, status information and system error error code followed by descriptive text. LCD background should light up in different colours during normal system operation & error conditions.
HTML5 support	HTML5 support for virtual console & virtual media without using Java or ActiveX plugins
Server security	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks
	Should protect against firmware which executes before the OS boots
	<p>Should provide effective protection, reliable detection &amp; rapid recovery using:</p> <ul style="list-style-type: none"> <li>- Silicon-based Hardware Root of Trust</li> <li>- Signed firmware updates</li> <li>- Secure default passwords</li> <li>- Configuration and firmware drift detection</li> <li>- Persistent event logging including user activity</li> <li>- Secure alerting</li> <li>- Automatic BIOS recovery</li> <li>- Rapid OS recovery</li> <li>- System erase</li> </ul>
	Configuration upgrades should be only with cryptographically signed firmware and software
	Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) & prevent malicious modification of server firmware
Intrusion alert	Intrusion alert in case chassis cover being opened
OS	None
Warranty	5 years Part, Labour , On-site comprehensive warranty with 24x7x365 remote hardware support. Post installation, 5-year product warranty should reflect in the support web site of the OEM. All hardware related service calls should be attended onsite by OEM engineer only.