



**INDIAN INSTITUTE OF TECHNOLOGY  
KHARAGPUR - 721302**

**Sub: Procurement of GPU-based Rack-mounted Servers, 42U Rack, Ethernet and KVM Switches for the Centre for Computational and Data Sciences (CCDS), IIT Kharagpur**

**Tender Notice No. IIT/CD/EQ/P/Server/2018-19/10 Dated: 20<sup>th</sup> September, 2018**

Indian Institute of Technology, Kharagpur, an Institute of National Importance invites sealed bids from reputed manufacturers or their authorized Distributors/Dealers for hardware/software/system integration as per enclosed specification (**Annexure-I**).

Interested vendors are requested to send their sealed bids as per specification (**Annexure-I**) and General Terms & Conditions (**Annexure-IV**) along with details in the Technical Bid Format (**Annexure-II**) and signed Declaration (**Annexure-III**) under a Two-Cover System. Kindly refer the Institute website [www.iitkgp.ac.in](http://www.iitkgp.ac.in) (Link: Tenders and Quotations) for full tender details.

The final quotation for consideration is to be sent in a sealed packet, containing two separate sealed envelopes (Technical Bid and Price Bid) duly super scribed with Reference Number (Tender Notice No and date) to the Office of the **Head, CCDS, IIT Kharagpur, P.O. Kharagpur Technology, PIN:721302** on or before **29<sup>th</sup> October, 2018 by 11.30 a.m.**

The technical proposal will be evaluated first and the price bid will be opened only in respect of those vendors, who are found technically qualified after evaluation of their technical bid.

The technical bid will be opened on **29<sup>th</sup> October, 2018 at 3.30 P.M.** in the **Office of the Head, CCDS, IIT Kharagpur.**

**Head, CCDS**

- Copy to:**
- 1. Institute Website**
  - 2. Notice Board**
  - 3. CPP Portal**

## **Procurement of GPU-based Rack-mounted Servers, 42U Rack, Ethernet and KVM Switches by Center for Computational and Data Sciences (CCDS)**

The Center for Computational and Data Sciences (CCDS) plans to procure GPU-based rack-mounted servers (two), 42U Rack (one), Ethernet and KVM switches (one each) as per the detailed technical specifications given in ANNEXURE-1.

### **Terms and Conditions**

1. OEM must have sales and support office in India
2. OEM must be in operation in the Indian market for at least 10 years for servers and storage
3. OEM must have spare depot in India for the items mentioned in this tender (details of spare locations to be provided).
4. The bidder should have been in operation for a period of at least 5 years as on last date of bid submission, as evidenced by the “Certificate of Incorporation” issued by the registrar of Companies.
5. The bidder must be ISO certified.
6. The bidder should be Original Equipment Manufacturer (OEM) or authorized distributor of the systems (Attach documentary proof). The authorization letter issued by the OEM (specifically against this tender) should be enclosed.
7. Bidder must be a profit-making entity for the last 3 years, with an annual turnover of at least Rs. 10 Crores in each of the last 3 years (audited statements to be provided)
8. Bidder must have sales and support service centers in India (Details to be provided).
9. Bidder must have at least 3 installations of Servers of value at least 25 Lakhs each in Eastern India in the past 3 years (copy of PO/successful installation certificate to be enclosed)
10. All equipment supplied must have 5 years comprehensive onsite OEM warranty.
11. Any service request must be attended to within the next business day.
12. Technical bid should contain all relevant technical details; printed technical leaflet of models quoted and other details, which may be necessary to ensure that the offer is complete in all respect e.g. technical specifications, etc.
13. Technical bid must also contain
  - a. Compliance Certificate against each item in the detailed technical specification duly signed by the bidder.
  - b. Unpriced Bill of Materials
  - c. Compliance to General Terms and Conditions
14. The OEMs/Vendors need to submit a certificate **during opening of technical bids** that they are not currently debarred or blacklisted in IIT Kharagpur for any supplies, products or services, or at present in any national organization or educational institute/university.
15. Price should be **quoted only in Indian Rupees** on free delivery at site **inclusive of all taxes and incidental charges**.
16. L1 Bidder will be decided based on the **Grand Total** of prices of all items mentioned in the tender.

## ANNEXURE-1

### A. GPU-based Servers (Quantity: Two)

#### Specification for each Server:

<b>Components</b>	<b>Minimum Required Specs.</b>
Processor	Latest generation Intel® Xeon-Gold 6154 (3.0GHz/18-core/200W) or higher
Front Side Bus	Intel QPI – 9.0 GT/s or higher
# Processors	1
# Cores per processor	18 or higher
# Threads per processor	36 or more
L3 Cache	30 MB or higher
DIMM slots	24 or higher
Memory	256 GB DIMMS scalable up to 1 TB using DDR4 LRDIMM operating at 2600 MHz or higher. Must have free slots for memory upgradation to 1 TB by addition of new modules only.
Hard Disk Drives	Minimum 20 TB of usable disk space with hot-swap SAS drive (7.2k rpm or higher) with RAID 6. Bidder must specify the exact type and number of disks given.
GPU	NVIDIA Tesla V100 PCIE 16 GB Module
# GPUs	1
I/O Slots	At least 2 PCIe slots
Network Interface	2x1Gbps + 2x10Gbps Ethernet ports. Separate dedicated management port.
USB ports	At least 4 USB ports
Form Factor	Rack, 2U or lower
Power supply	Redundant hot swap power supply
Fans	Redundant hot-swap fans
Operating system support	Must be compatible with latest versions of CentOS, Red Hat Enterprise Linux, Windows Server.
Server Management	Must provide server management software for remote monitoring and management of server. Software must be from the same OEM.
Warranty	5 years comprehensive on-site OEM warranty

**B. 42U Rack, Ethernet and KVM switches (Quantity: One each)**

<b>Item</b>	<b>Description</b>
Rack	42U, 4 post, 19" width. Rack should sufficient cooling fans and IEC power distribution unit with front and rear doors with lock. The dimensions of the rack must be compatible with all the equipment supplied here and the bidder should be able to install all the equipment supplied within a single rack. Bidder must provide all necessary cables (network and power) and other accessories for installing and connecting the equipment
Ethernet switch	Minimum 24 port Layer 2 switch with at least 6 no. 10Gbps and rest with 1Gbps. Switch should have web-based management interface, password protection, and redundant power supply and fans
KVM switch	Minimum 16 ports with all necessary cables to connect 4 nos. servers
Key-board, Mouse, 19" LED Monitor	1 set
Warranty	5 years comprehensive on-site OEM warranty

**TECHNICAL BID DOCUMENT**

**FORMAT TO BE FILLED BY THE MANUFACTURERS / INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPLES) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER FOR PROCUREMENT OF CLOUD COMPUTING SYSTEM FOR IIT KHARAGPUR**

1. Name of the Tenderer :
2. Status of the Tenderer :  
(attach documents, if registered  
company/partnership/proprietyship)
3. Whether OEM/representing foreign principle :  
(attach copy of certificate/authorization)
4. Details of key top official/authorized official :  
(attach details)
5. Details of tie-ups for supply/services, if any :  
(attach details, agreements, escalation matrix)
6. Income Tax and Service Tax returns of previous three  
assessment year (copy) :
7. Financial status of bidder and/or his associates including  
Annual Report & Balance Sheet/Statement of Account of past  
three years with Registration of Companies (ROC) receipts  
duly authenticated by  
Chartered Accountant :
8. Current list/address of clients where similar material  
has been supplied and successfully working :
9. Name of the vendor's three largest clients, to whom similar  
products and services were extended & amount  
of transaction/annual bills to such clients :
10. Name and address of Vendor's bankers and attach a  
Solvency Certificate from the Bank for a  
minimum amount of Rs. 20.00 Lakh. :
11. Income Tax Permanent A/c No. (attach copy) :
12. **Details of EMD/Bank Draft No., issuing branch and date :**

Certified that all above information are correct to the best of my/our information, knowledge and belief.

Dated:

Signature & seal of the Authorized person  
of OEM/Vendor

**NOTE** : This is to be submitted in a separate sealed envelope super scribing "TECHNICAL BID", Notice inviting **Tender No. IIT/CD/EQ/2017-18/03 dated 24<sup>th</sup> October, 2017** and name of the bidder. All technical documents like literature, catalogues etc., are to be put in the same envelope. Price bid of that company/firm only will be opened which do technically qualify, for further consideration. **Attach all relevant documents in the same serial order as above, properly indexed, duly signed and sealed.**

**DECLARATION**

1. I, ----- Son /Daughter of Shri -----  
-----  
Proprietor/Partner/CEO/MD/Director/  
Authorized Signatory of M/s. ----- am  
competent to sign this declaration and execute this tender document.
  
2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
  
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
  
4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
  
5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

-----  
Signature of the Authorized Person

Date : -----

Full Name : -----

Place : -----

Company Seal : -----

GENERAL TERMS AND CONDITIONS

(1) **Important Dates :**

**Last Date of Submission of Sealed Bids: 29<sup>th</sup> October, 2018 - up to 11.30 a.m.**

**The Technical bids will be opened on 29<sup>th</sup> October, 2018 at 3.30 p.m. in the Office of the Head, CCDS, IIT Kharagpur.**

- (2) **Payment Terms & Performance Guarantee:** 90% payment will be made on successful installation and commissioning duly certified by the concerned Head of the Department/Centre/School/Unit. A sum of 10% of the invoice value shall be retained as **Security Deposit** towards **Performance Guarantee**. The security deposit so retained may be refunded on submission of Bank Guarantee towards Performance Guarantee for the equivalent value of security Deposit valid for **5 years warranty period plus sixty days** drawn on any commercial bank.

No advance/mobilization support, is payable against supply of stores.

- (3) **Warranty/Guarantee & On-site skill support: 5 years** onsite comprehensive OEM warranty from the date of successful installation and commissioning. The OEMs/Authorized Distributors and Dealers must attach certificate about their after sales and service facilities, escalation support for on-call service or station engineer etc.
- (4) **Delivery of Stores:** The store items must be supplied within 8 weeks from the date of issue of the Purchase Order. In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.
- (5) **Tender Fee:** An amount of Rs. 2000 as tender fee (non refundable) is to be paid. The payment shall be made by Demand Draft from any Nationalized Bank /Commercial Bank and paid in favour of “Indian Institute of Technology Kharagpur”, payable at Kharagpur. **Bids without Tender Fee will not be accepted. This should be enclosed separately in an envelope and stapled with the Technical Bid document superscribing Tender fee.**
- (6) **Earnest Money Deposit (EMD):** An amount of **Rs. 50,000** in the form of Demand Draft drawn in favour of “**Indian Institute of Technology Kharagpur**”, payable at Kharagpur or Fixed Deposit Receipt or Banker’s Cheque or Bank Guarantee as per format at **Annexure V. E.M.D. should be enclosed separately in an envelope and stapled with the Technical Bid document superscribing EMD.** The validity of the EMD should be 6 (six) months from the date of issue. **Any bid without EMD will summarily be rejected. No interest is payable on EMD.** EMD will be refunded to the unsuccessful bidder, finalization of the tender process. The EMD of vendor awarded with the contract to be treated as part of security deposit towards Performance Guarantee. No interest is payable on Security Deposit. Security Deposit shall be forfeited if the selected vendor after award of contract, fails to execute the same.

- (7) **Price:** Domestic tenders are to quote and accept their payment in Indian currency. The price shall be quoted with cost break-up indicating the applicable prices for each component. Excise Duty Exemption/Custom Duty Exemption Certificate and Inter-state transit Way Bill (Form-50) will be issued only in favour of the bidder and address as mentioned in the Purchase Order. **Price must be quoted in Indian Rupees (INR) only.**
- (8) **Bid:** Technical Bid and Price Bid should be submitted in two separate sealed envelope quoting reference number on the top of the envelope. Tender Fee and EMD should be enclosed with the Technical Bid documents, in separate sealed envelopes, stapled with the packet containing Technical Bid documents. The OEMs may either bid directly or authorize their Country/Regional/State Distributors /Dealers/Vendors, to quote with valid authorization certificate, capability to sale and service of the products.
- (9) **Acceptance of Tender:** The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.
- (10) **Extra Features:** If the bidder provides any other extra features on the Hardware or Software which are not mentioned in the tender product specifications, then that shall be highlighted in clear terms, with documentary evidence/literature.
- (11) **Compliance List:** The proposal be properly indexed and a compliance list against the technical specifications should be provided.
- (12) **Service:** Response to ensure quality of services, the deputed Engineer from the OEM/Vendor shall have a minimum of 3 years of experience in the relevant field and must be in the payroll of the OEM/Vendor.
- (13) **Installation and Commissioning:** Free of cost at IIT, Kharagpur. The OEM must ensure timely installation of the System with necessary support to the indenters, as per details and lists to be made available by the Stores & Purchase Section or the indenting Departments/Centers/Schools.
- (14) **Validity of licenses:** Software's licensing price or policy (if any) shall be clearly mentioned. All licenses should be perpetual.
- (15) The OEM should be an ISO-9000 and ISO-14001 certified company with due credits to energy conservation and green earth compliance.
- (16) **Relevant documents of the OEM must be enclosed, along with the Technical Bid. Any explanation on this account shall be supported with documentary evidence from the principals.**
- (17) **Conditional Offer** will not be accepted.
- (18) **Period of Validity:** Bids shall remain valid for acceptance for a period of 120 days from the date of opening of the price bid.



- (19) The benefit of any downward price revision (revision on account of budget/financial policy, tax revision, EPZ etc.) is to be given to IIT Kharagpur by the selected OEM/vendor.
- (20) **Past Performance of the Vendors will be judged at the time of Technical Evaluation.**
- (21) **The Institute does not bind** itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.
- (22) **Bidders should** enclose the following documents:
- i. Certificate of Registration / Trade License
  - ii. Enlistment form (R1), complete in all respect
  - iii. Attested copy of PAN card, Service Tax, GST registration papers
  - iv. Banker's Solvency Certificate.
  - v. Audited statement of accounts and IT returns for the last three years
  - vi. Authorized Distributors/Vendors must submit appropriate authorization certificate and letter from their OEMs, for participation in the said tender.
  - vii. Name and address of past satisfactory supplies by the bidder to minimum three clients in India in the past five years to whom such items/stores of similar or higher volume have been supplied should be mentioned in the technical bid along with documentary evidence (Client certificate//PO copy) and a list of 5 clients of OEM in India to which Servers of similar or higher volume have been supplied in the last three years should be provided."
  - viii. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.
  - ix. Copy of product literature, for which the prices have been quoted.
  - x. A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the Institute. Vendors must indicate their sales and support service centre in Eastern India and their plan to address issues about services, maintaining minimum service inventory etc.
  - xi. Signed copy of the tender document, with company seal, agreeing to the terms & conditions and declaration.
- (23) **All tenders are to** be dropped in a sealed envelope in the office of the **Head, CCDS, IIT Kharagpur**. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future.
- (24) **The person/officer signing** the tender/bid documents should be delegated with an appropriate Power of Attorney (duly endorsed by a Notary Public) by the Chief Executive Office/Managing Director of the Company to sign such documents.
- (25) **Opening of Price Bids :** The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). **The date for opening of price bids will be notified separately.**

(26) Tenderer or his/her authorized representative (with proper authorization letter for attending opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.

(27) **IMPORTANT**

1. Director may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.
2. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.
3. The OEMs/Vendors need to submit a certificate during opening of technical bids that they are not currently debarred or blacklisted in IIT Kharagpur for any supplies, products or services, or at present in any national organization or educational institute/university.
4. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.
5. For any query pertaining to this bid document, correspondence be addressed to :

Head, Centre for Computational and Data Sciences  
Indian Institute of Technology, Kharagpur-721 302  
India  
[Ph. : 03222-283344; Fax : 03222-255303]

6. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed on Saturday & Sunday.

Head, CCDS  
for Director, IIT Kharagpur

**FORM – R1**

To  
The Deputy Registrar  
Stores & Purchase Section  
Indian Institute of Technology  
**Kharagpur – 721 302 (WB)**

*Passport size  
Photograph  
of the Proprietor/  
Partner/Authorise  
d signatory.*

**SUB : ENLISTMENT AS A VENDOR OF THE INSTITUTE**

Sir,

Details of particulars, as per your format are given below for your consideration and necessary action for **enlistment** with your Institute, as approved vendor.

1. Name of the Firm :
2. Status of the firm & Date of establishment :  
(Proprietorship/Partnership/Joint Stock Company/ Private Limited Company/Public Limited Company/  
Sole Distributor/Stockist/Dealer/Agent/ Reg. Society or NGO)
3. Name of the Proprietor/ Managing Partner :  
Authorised Signatory/Chief Executive
4. Present Address (Head Office/ Registered Office) :  
Phone /Fax /E-mail/ website/ Mobile contact)
5. Permanent address of the firm :
6. Do you have an office in Kolkata :  
(if yes, give address and contact details)
7. Nature of stores being dealt with :  
(range of product or category or group of items proposed to be enlisted - enclose item catalogue)
8. Are you registered with DGS&D, NCCF, NSIC, :  
Kendriya Bhandar or any Govt./State Agency
9. Are you already registered with IIT Kharagpur :  
(if yes, give details, Sr. No./date/year etc.)
10. Name and address of Banker / CBS Account :
  - (a) Name of the Bank
  - (b) Name/address/code of the Branch
  - (c) Account Number
  - (d) IFSC Code
  - (e) Enclose solvency certificate from Bank
  - (f) Does your Bank stands guarantee to your business

11. (a) Financial Capability (in rupees) :  
(b) Annual turn over (last three years)  
(c) Audited balance sheet (last three years)  
(d) IT returns filed (last three years)  
(e) TIN / VAT / ST Reg. No's.
12. Registration/Trade License Number and date :  
(attested copy to be enclosed)
13. Drug licence number (if you deal with medicine :  
chemicals, alcohol, sprit, lab reagents etc.)
14. Experience, with credentials :  
(documents if any, to be enclosed)
15. Whether it is a Production Unit :  
(if yes, please specify location and area, number  
of skilled, semi-skilled & unskilled employees,  
number of qualified Engineer and list of  
machinery and facilities available, whether in  
EPZ, availing any tax benefit etc.)
16. Whether having a Permanent Account Number :  
(if yes, mention the ward number, circle and  
Commissioner of Income Tax under which you  
are registered, enclose copy of PAN card)
17. Specimen Signature of the Proprietor/ :  
Authorized Partner/Chief Executive/Signatory

### DECLARATION

I do hereby declare that all particulars furnished by me are true and correct to the best of my information, knowledge and belief. I understand that IIT Kharagpur can adopt any pre-qualification to identify suitable vendor(s) for a particular quotation/tender invitation and items, and conduct visit to our premises for verification. Mere submission of this registration form doesn't entitle us for any enquiry or award of work and I promise to be in the lookout for details in your website [[www.iitkgp.ernet.in](http://www.iitkgp.ernet.in) (link : tenders and quotations)]. I also undertake to inform you at the earliest any change in details mentioned above.

Encl:

Rubber Seal :

Name and signature of the Vendor/  
Proprietor/Authorized Partner/CEO

**MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD**

Whereas.....(thereinafter called the “tenderer”)  
has submitted their offer dated .....for the supply of  
.....(hereinafter called the “tender”) against  
the purchaser’s tender Notice No. ....

KNOW ALL MEN by these presents that WE .....of  
.....having our registered  
office at ..... are bound unto  
..... (hereinafter called the “Purchaser”) in the sum of  
.....for which payment will and truly to be made to  
the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed  
with the Common Seal of the said Bank this .....Day of  
..... 20 .....

**THE CONDITIONS OF THIS OBLIGATION ARE**

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:
  - (a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.
  - (b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name & address of the Bank and  
address of the Branch