



Tender reference No.CC/IITK/09/840



Indian Institute of Technology Kanpur

Kalyanpur, Kanpur U.P

Kanpur - 208016

Computer Centre

Tender No: CC/IITK/09/840 Dated 11.03.2019

Bid Submission Last Date 20.03.2019 (5:30 PM)

TENDER DOCUMENT

FOR

“AMC of HPC2010 Cluster”



Tender reference No.CC/IITK/09/840

BID DOCUMENT

Online bids (Technical & Financial) from eligible bidders which are valid for a period of 60 days from the date of Technical Bid opening (i.e.22/03/2019) are invited for and on behalf of the Joint Registrar, IIT,Kanpur for “**AMC of HPC2010 Cluster**”.

<i>Name of Work</i>	AMC of HPC2010 Cluster
<i>Estimated Cost</i>	Rs.85,00,000/-
<i>Date of Publishing</i>	11.03.2019 (5:30 PM)
<i>Bid Submission Start Date</i>	11.03.2019 (5:30 PM)
<i>Last Date and time of uploading of Bids</i>	20.03.2019 (5.30 PM)
<i>Last Date and time of submitting , EMD and other documents at IIT Kanpur (if any)</i>	NA
<i>Date and time of opening of Technical Bids and Financial Bids</i>	22.03.2019(11:00 AM)

Interested parties may view and download the tender document containing the detailed terms & conditions from the website <http://eprocure.gov.in/eprocure/app>

(The bids have to be submitted online in electronic form on www.eprocure.gov.in only. No physical bids will be accepted.)



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INSTRUCTION FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the Central Public Procurement (CPP) Portal ie <http://eprocure.gov.in/eprocure/app> , using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

REGISTRATION

- (i) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online Bidder Enrollment” option available on the home page. **Enrolment on the CPP Portal is free of charge.**
- (ii) During enrolment/ registration, the bidders should provide the correct/ true information including valid email-id & mobile no. All the correspondence shall be made directly with the contractors/ bidders through email-id provided.
- (iii) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- (iv) For e-tendering possession of valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) is mandatory which can be obtained from SIFY /nCode/eMudra or any Certifying Authority recognized by CCA India on eToken/ SmartCard.
- (v) Upon enrolment on CPP Portal for e-tendering, the bidders shall register their valid Digital Signature Certificate with their profile.
- (vi) Only one valid DSC should be registered by a bidder. Bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse and should ensure safety of the same.
- (vii) Bidders can then log into the site through the secured login by entering their userID/ password and the password of the DSC/ eToken.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords, etc., to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

- (i) For preparation of bid Bidders shall search the tender from published tender list available on site and download the complete tender document and should take into account corrigendum if any published before submitting their bids.
After selecting the tender document same shall be moved to the ‘My favourite’ folder of bidders account from where bidder can view all the details of the tender document.
- (ii) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.



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- (iii) Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.
- (iv) Bidders should get ready in advance the bid documents in the required format (PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule. **Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.**
- (v) Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, EPF & other details etc., under “My Space/ Other Important Document” option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.

SUBMISSION OF BIDS:

- (i) Bidder should log into the site well in advance for bid submission so that he/ she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay.
- (ii) Bidder should prepare the EMD as per the instructions specified in the NIT/ tender document. The details of the DD/BC/BG/ others physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- (iii) While submitting the bids online, the bidder shall read the terms & conditions (of CPP portal) and accepts the same in order to proceed further to submit their bid.
- (iv) Bidders shall select the payment option as offline to pay the EMD and enter details of the DD/BC/BG/others.
- (v) Bidder shall digitally sign and upload the required bid documents one by one as indicated in the tender document.
- (vi) Bidders shall note that the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.
- (vii) Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. For the file size of less than 1 MB, the transaction uploading time will be very fast.
- (viii) **If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/ modification of the price schedule shall render it unfit for bidding.**

Bidders shall download the Schedule of Quantities & Prices i.e. Schedule-A, in XLS format and save it without changing the name of the file. Bidder shall quote their rate in figures in the appropriate cells, thereafter save and upload the file in financial bid cover (Price bid) only.

If the template of Schedule of Quantities & Prices file is found to be modified/corrupted in the eventuality by the bidder, the bid will be rejected and further dealt as per provision of clause no 23.0 of ITB including forfeiture of EMD.

The bidders are cautioned that uploading of financial bid elsewhere i.e. other than in cover 2 will result in rejection of the tender.

- (ix) Bidders shall submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). **The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.**
- (x) After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the bidders shall **take print out of system generated acknowledgement** number and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.
- (xi) Bidders should follow the server time being displayed on bidder’s dashboard at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.



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- (xii) All the documents being submitted by the bidders would be encrypted using PKI (Public Key Infrastructure) encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology.

ASSISTANCE TO BIDDERS:

- (i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contract person indicated in the tender. The contact number for the helpdesk is 0512-679-7239 between 10:30 hrs to 17:00 hrs.
- (ii) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24X7 CPP Portal Helpdesk. The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002 and 0120-4001005. The helpdesk email id is support-eproc@nic.in



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INSTRUCTION FOR e-PROCUREMENT

1. PREPARATION AND SUBMISSION OF BIDS :

- a. The detailed tender documents may be downloaded from <http://eprocure.gov.in/eprocure/app> till the last date of submission of tender. The Tender may be submitted online through CPP Portal <http://eprocure.gov.in/eprocure/app>
- b. The bidder should submit the bid online with Technical Bid and Financial Bid. Technical Bid and Financial Bid in “.Xls” should be upload online in same cover.

2. SUBMISSION OF THE BID : All interested eligible bidders are requested to submit their bids online on CPP Portal: <http://eprocure.gov.in/eprocure/app> as per the criteria given in this document:

- a. Technical Bid and Financial Bid should be upload online in same cover.

Both Technical and Financial Bid covers should be placed online on the CPP Portal (<http://eprocure.gov.in/eprocure/app>).

3. TECHNICAL BID: Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: <http://eprocure.gov.in/eprocure/app> .

List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission: -

- i. Scanned copy of Registration Certificate and list of all company contact addresses (relevant to this document, and specifically the company address to which the order may be placed)
- ii. Scanned copy of Proprietary Certificate. [*Refer Point 6 of Section D of Tender Document*]
- iii. Scanned copy of Detailed list of all Hardware and Software of HPC2010 cluster
- iv. Scanned copy of Authorization Letter/(s) [*Refer Point 6 of Section D of Tender Document*] & Scanned copy of Back to back Agreement letter [*Refer Point 8 of Section D of Tender Document*]
- v. Scanned copy of certificate of GST & Scanned copy of tender acceptance letter
- vi. Scanned Copy of Bank details on letter head duly signed and stamped
- vii. Financial Bid

Please note that no indication of the rates/amounts be made in any of the documents submitted with the TC-BID.



4. **Financial Bid:**

- a. The currency of all quoted rates shall be Indian Rupees. All payment shall be made in Indian Rupees.
- b. In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified “.Xls” format i.e. PriceBid Excel sheet attached as ‘.Xls’ with the tender and based on the scope of work, service conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work of the assignment.
- c. The Financial Bid should clearly indicate all applicable taxes, duties, fees, levies, and other charges imposed under the applicable laws. Price quoted should be in INR. Financial Bid should be strictly as per the Format of BoQ.

5. **Last Date for Submission of Tender:**

- a. Online bids complete in all respects, must be submitted on or before the last date and time specified in the schedule of events.
- b. The Indian Institute of Technology Kanpur may, at its own discretion, alter/extend the last date for submission of tenders.

6. **Bid Validity:**

- a. All the Bids must be valid for a period of 60 days from the last date of submission of the tender for execution of Contract. However, the quoted rates should be valid for the initial/ extended period of the Contract from the effective date of the Contract. No request will be considered for price revision during the original Contract period.
- b. A bid valid for a shorter period shall be declared as non-responsive.
- c. In exceptional circumstances, prior to expiry of the original time limit, the IIT may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 60 days. The request and the bidders' responses shall be made in writing. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their Bid Security.

7. **Modification / Substitution/ Withdrawal of bids:**

- a. No Bid shall be modified, substituted or withdrawn by the Bidder after the Bid 's due Date.
- b. Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid's due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.



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8. **Rejection of the Bid:** The bid submitted shall become invalid and tender fee shall not be refunded if:-
- a. The bidder is found ineligible.
 - b. The bidder does not upload all the documents as stipulated in the bid document.



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Tender Document
Department of Computer Centre
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Enquiry Number: IITK/CC/09/840

Enquiry Date: 11-03-2019

Online quotation is invited from Hewlett Packard Enterprise Private Limited with its Registered Office at No. 24 Salapuria Arena, Hosur Main Road, Adugodi, Bengaluru – 560030, India and Corporate Office at Hewlett Packard Enterprise India Private Limited, Technology Support Services, Enterprise Business Group, , Building Number 2, Tower D & E, 1st-4th Floor, DLF Cyber Green, DLF Cyber City, Phase III Gurgaon, Haryana 122022, India , and local office at 1, DHL Supply Chain India Pvt. Ltd. C19 Phase-II, Transport Nagar Kanpur Road, Lucknow-226012 UP, India for the purchase of Annual Maintenance Contract (AMC) of HPC2010 cluster for one year for Indian Institute of Technology Kanpur as per the specifications and terms and conditions listed below:

Dr. Amey Karkare

Head Computer Center
Indian Institute of Technology Kanpur
Kanpur 208 016, India

A. Name of services: AMC of HPC2010 Cluster (High Performance Compute Cluster)

B. Specifications:

Comprehensive Annual Maintenance of HPC2010 hardware and software as per the summary list C. below.

C. Summary of Hardware and Software for AMC:

1. Management Nodes (4)

- a. **1** number HP Proliant DL380pGen6 servers with 2* INTEL XEON X5570 (2.93GHZ/4-CORE/8MB/95W) PROCESSOR, Intel® 5520 Chipset, 96GB RAM (12*HP 8GB (1X8GB) DUAL RANK X4 PC3-10600 (DDR3-1333) REGISTERED CAS-9 MEMORY KIT*), ILO2 management, 2XHP 300-GB 3G 10K 2.5 DP SAS ENT HDD.
- b. **3** number HP Proliant DL380pGen6 servers with 2* INTEL XEON X5570 (2.93GHZ/4-CORE/8MB/95W) PROCESSOR, Intel® 5520 Chipset, 48 GB RAM (6*HP 8GB (1X8GB) DUAL RANK X4 PC3-10600 (DDR3-1333) REGISTERED CAS-9 MEMORY KIT*), ILO2 management, 2XHP 300-GB 3G 10K 2.5 DP SAS ENT HDD.

2. Compute Nodes (368)

- a. **23** number HP BLc7000 CTO 3 IN LCD ROHS Encl Chassis each capable of housing up to 16XBL280c G6 CTO Blade server.



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- b. **368** number HP BL280c G6 CTO Blade servers with 2X Intel Xeon X5570 Quad-Core 64-bit processor - 2.93GHz (Nehalem-EP, 8MB Level-3 cache, Intel QuickPath Interconnect (QPI) speed 6.4 GT/s, 95W thermal design power (TDP), socket FCLGA 1366). each With 48GB RAM (6* 8GB PC3-10600R registered synchronous dynamic random access memory (SDRAM) dual data rate (DDR3), dual in-line memory module). ILO2 management.
- 3. Lustre Servers and Storage**
 - a. **2** Number HP ProLiant DL380G7 servers with 2*INTEL XEON E5606 (2.13GHZ/4-CORE/8MB/80W) PROCESSOR , Intel® 5520 Chipset, 64GB RAM (16x 4GB PC3-10600R 256 MB x 4) ILO3 management, QLogic 4X QDR IB PCI-e G2 HCA, HPE 82Q 8Gb Dual Port PCI-e FC HBA, 2XHP 146-GB 6G 10K 2.5 DP SAS HDD.
 - b. **10** number HP ProLiant DL380 G6 Servers with 2*INTEL XEON E5520 (2.26GHZ/4-CORE/8MB/80W) PROCESSOR, Intel® 5520 Chipset, 64 Gb RAM (16* HP 4GB DUAL RANK X4 PC3-10600 DDR3) or (8*HP 8GB (1X8GB) DUAL RANK X4 PC3-10600 (DDR3-1333) REGISTERED), ILO2 management, 2XHP 146GB 3G SAS 10K 2.5in DP ENT HDD.
 - c. **10** Number HP P2000 G3 MSA share storage with dual redundant controllers,**34** Drive Enclosure and 528X300GB 15krpm 3.5 inch SAS HDD, **4** XHP AM868A SAN Switch , **2XHP** AM867A SAN Switch.
 - 4. NFS Storage**
 - a. **1** Number HP P2000 G3 MSA share storage with dual redundant controllers, **2** Drive Enclosure and 36X300GB 15krpm 3.5 inch SAS HDD.
 - 5. Infiniband Connectivity**
 - a. **18** number of HP QLogic InfiniBand (IB) Quad Data Rate (QDR) 36-port Switch and all associated racks, accessories and cables
 - 6. Ether Net Connectivity**
 - a. **2** Number HP 4204 VL SWITCH CHASSIS with 6 Number ProCurve Switch vl 24-Port Gig-T Module and all cables and accessories
 - b. **1** number HP 2610-48 Switch (provide48 ports of 10/100 connectivity) with all cables and accessories
 - 7. Racks and Console Kits**
 - a. **12** number HP 10642 G2 Pallet Universal Rack with 2 PDUs each
 - b. **6** number HP TFT7600 KVM Console Intl Kit
 - 8. Software**
 - a. HP Cluster Management Software with (CMU with 370 licenses for the configuration)
 - b. RHEL HPC Compute Node 2Skt 1yr Lic E-LTU(376 Licenses)
 - c. RHEL HPC HN 2 Sckt 1 Gst 3 yr 24*7 1 ELTU (4 licenses)



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- d. RHEL HA 2 Sckt/2 Gst 1 yr E-LTU (4 licenses)
- e. RHEL Svr 2 Sckt/2 Gst 1 yr 24*7 E-LTU
- f. Lustre Support

D. Terms and Conditions:

1. The AMC includes any update and upgrade of the firmware and installed software of all components described above as is needed from time to time as well as repair, maintenance and replacement of faulty hardware as and when necessary,
2. The period of the Maintenance Contract shall be deemed to be effective from March 11, 2019 in case the PO is released. Any actuals may be charged on maintenance during the interim period in case the PO is not released.
3. Payments for the Maintenance Contract will be made on a post quarterly basis.
4. The Annual Maintenance Contract rates will be valid for a period of 1 year. However, the AMC can be terminated on one month notice at the end of a quarter.
5. The bid must be valid for at least 60 days from the date of bid opening.
6. The bid should also include proprietorship certificate for any of the components for which MS HPE are an OEM. It should also contain authorization letter from the OEM authorizing MS HPE to participate in the said tender for components for which MS HPE are not an OEM. The OEM should also declare that all support would be directly given by the OEM for the components for which MS HPE are not an OEM. The AMC would require comprehensive support for Hardware and Software by the OEM only.
7. Service Level Agreement (SLA) should be signed on the award of the contract ensuring at least 98% uptime of the services. A penalty clause shall be the part of the SLA for the committed uptime.
 - a. MS HPE shall maintain systems in full working condition for the duration of the agreement. MS HPE shall agree to provide an annual uptime of not less than 98%.
 - b. In case of system failure a complaint shall be made to the OEM. The complaint shall be attended by the OEM within 4 Hrs.
 - c. For calls not requiring spare parts, the system will be made operational within one working day or two calendar days, whichever is earlier, from the day call is registered with the OEM.
 - d. For all calls requiring spare parts, the system will be made operational within three working days or six calendar days, whichever is earlier, from the day the call is registered with the OEM. However, the uptime of the entire system should not be less than 98%.
 - e. System down time will be computed in numbers of calendar day. IIT Kanpur will impose penalty on MS HPE if the total uptime is less than 98%
 - f. System downtime will not include time taken for the upgrade and update of software and firmware that is undertaken for the entire cluster.
 - g. Sufficient spare parts must be kept on site to ensure the required uptime.



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- h. Penalty for down time will be computed as follows:
2X (AMC value of each down system/365) per day of down time. Total penalty in a quarter will be limited to 10% of the quarterly contract value.
8. Back to back agreement shall be signed between the OEM and MS HPE for all components for which MS HPE are not the OEM. All such agreement/s shall be submitted by MS HPE before any payments are made.
 9. The AMC covers all components of the HPC 2010 cluster installed at the Computer Centre IIT Kanpur, except PBS Pro scheduler. The details of all the components should be verified for building a comprehensive inventory.

E. Final Decision Making Authority:

The decision of the Director, Indian Institute of Technology Kanpur will be binding on all bidders.

F. Disclaimer:

1. Information disclosed under and in accordance with the tender document will not constitute as an offer, also the acceptance of responses to this tender cannot be considered as a binding contract.
2. Applicants are solely responsible for all expenses associated with responding to this tender.
3. Indian Institute of Technology Kanpur reserves the right to annul the tender process at any time, without thereby incurring any liability to the affected bidders or specifying the grounds for the action.

G. Legal:

1. If any dispute, difference, question of disagreement or matter, whatsoever, before or after completion or abandonment of work, hereafter arises between the parties, as to the meaning, operation or effect of the contract or out of or relating to the contract or breach thereof, the same shall be referred to a Sole Arbitrator to be appointed by the Director of the Institute at the time of dispute.
 - a. The venue of the arbitration shall be at Kanpur.
 - b. Subject to as aforesaid, the provisions of the Arbitration and Conciliation Act. 1996 and any statutory modifications or re-enactment thereof and rules made there-under and for the time being in force, shall apply to the arbitration proceedings under this clause.
2. The contract shall be governed by and construed according to the laws in force in India. The Parties shall hereby submit to the jurisdiction of the courts situated at Kanpur.



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Appendix

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)