# Tender (Proposal/Bid Document) for Purchase of Items/Equipment(s) for Establishing Central Computing Facility

at

# Central University of Haryana, Mahendergarh, Haryana



Under Two Bid System (Technical and Financial)

No. CUH/IT-CELL/01/2020

### **Central University of Haryana**

Mahendergarh, Haryana-123031

No: CUH/IT-CELL/01/2020 Dated: 31-01-2020

#### TENDER NOTICE

Central University of Haryana (CUH) invites techno-financial proposals, for the item(s) mentioned in tender document, from reputed firms having expertise and experience in the relevant field. The interested parties /firms/OEM desirous of supplying, installing and integrating the system(s)as given in tender documents, may send their sealed offer addressed to the **Registrar, Central University of Haryana**, at the following address:

Assistant Registrar (E & GA) Academic Block No. 3 (Ground Floor) Central University of Haryana Jant Pali Villages Mahendergarh (Haryana) PIN-123031

Complete tender details are available on University website: www.cuh.ac.in or may be obtained in person from the office of the Registrar.

Last Date for submission of Tenders: 24/02/2020 up to 2PM Date of opening of Technical Bids: 25/02/2020 at 11AM Place of Opening the Tender: Room No: 136 (Seminar Hall) in

Place of Opening the Tender: Room No: 136 (Seminar Hall) in Academic Block-III,

CUH, Jant Pali- Mahendergarh(Haryana).

The interested parties should carefully read the tender document and accordingly submit their bids

Sd/-Registrar Central University of Haryana

## **Check List for submission of documents:**

| Sl | Description                               | Yes /No | Page No  | Remarks if any  |
|----|---|---------|----------|-----------------|
| No | Description                               | 1657110 | Tage 110 | Tremains in any |
|    | Whathan Tandan Eas maid?                  |         |          |                 |
| 1  | Whether Tender Fee paid?                  |         |          |                 |
| 2  | Whether EMD / Tender Fees                 |         |          |                 |
|    | attached?                                 |         |          |                 |
| 3  | If EMD exempted, Valid                    |         |          |                 |
|    | Exemption Certificate                     |         |          |                 |
|    | attached?                                 |         |          |                 |
| 4  | Whether Firm Registration                 |         |          |                 |
|    | attached?                                 |         |          |                 |
| 5  | Whether GSTIN certificate                 |         |          |                 |
|    | attached                                  |         |          |                 |
| 6  | Whether PAN attached?                     |         |          |                 |
| 7  | Whether affidavit duly attested by        |         |          |                 |
| ′  | the Oath                                  |         |          |                 |
|    | Commissioner/Executive                    |         |          |                 |
|    | Magistrate regarding non-black            |         |          |                 |
|    | listing of supplier attached?             |         |          |                 |
| 8  | Whether tender document along             |         |          |                 |
|    | with all Annexures (1 to 8) duly          |         |          |                 |
|    | signed & stamped by the                   |         |          |                 |
|    | authorized signatory attached?            |         |          |                 |
| 9  | Whether copy of Turnover and              |         |          |                 |
|    | ITR attached?                             |         |          |                 |
| 10 | Whether orders executed in last           |         |          |                 |
|    | three years attached?                     |         |          |                 |
| 11 | Whether technical specifications          |         |          |                 |
|    | of the quoted equipment                   |         |          |                 |
|    | attached?                                 |         |          |                 |
| 12 | Whether catalog of the                    |         |          |                 |
| 10 | equipment attached? In case of authorized |         |          |                 |
| 13 | agent/distributor whether                 |         |          |                 |
|    | certificate/ authorization letter for     |         |          |                 |
|    | the same issued by the                    |         |          |                 |
|    | manufacturer attached?                    |         |          |                 |
| 14 | Whether list of                           |         |          |                 |
| 17 | Institutes/Organizations where            |         |          |                 |
|    | the quoted model of equipment             |         |          |                 |
|    | supplied by the tenderer in India         |         |          |                 |
|    | is attached?                              |         |          |                 |
| 15 | In case of foreign suppliers              |         |          |                 |
|    | quoting directly, whether, the            |         |          |                 |
|    | name of Indian agent mentioned?           |         |          |                 |
| 16 | Whether past performance                  |         |          |                 |
|    | certificate from reputed Client           |         |          |                 |
|    | such as IIT/NIT/Institutes of             |         |          |                 |
|    | National Importance has been              |         |          |                 |
|    | attached                                  |         |          |                 |
| 17 | NABL certification /BIS                   |         |          |                 |
|    | certification                             |         |          |                 |
| 18 | ISO and /or any other relevant            |         |          |                 |
|    | certification                             |         |          |                 |
| 19 | Any other certification or                |         |          |                 |
| _  | Manufacturing licence                     |         |          |                 |

|    | Whether a Certificate of          |  |  |
|----|-----------------------------------|--|--|
|    | supplying spare parts for 5 years |  |  |
|    | after warranty attached?          |  |  |
| 20 | Whether Self-certificate that the |  |  |
|    | firm has never been debarred or   |  |  |
|    | indicted in corruption case(s)    |  |  |
|    | attached?                         |  |  |
| 21 | Whether certificate that no       |  |  |
|    | complaint of poor performance     |  |  |
|    | have been received by the firm    |  |  |
|    | from suppliers attached?          |  |  |
| 22 | Whether drawing and calibration   |  |  |
|    | attached? Wherever necessary      |  |  |
| 23 | Have you been declared poor       |  |  |
|    | performer by any of the Govt;     |  |  |
|    | institution? Give undertaking     |  |  |
| 24 | Have Bio date of trainer data     |  |  |
|    | been attached                     |  |  |
| 25 | Any other General information     |  |  |

#### 1. Instructions to bidder

Submission, Receipt, and Opening of Proposals

- a) The bidder shall read the instructions, technical specifications and the bid documents carefully before filing and submission of bidding documents.
- b) The bidder shall sign on each page of the bidding documents and assign serial number in integer value starting from one and submit the proposal/bid strictly as per the instructions.
- c) The original Technical and Financial Proposals/bids shall be prepared and submitted in separate sealed envelopes and both the envelopes should be kept in third envelope.
- d) The envelope should be super subscribed "*Tender for Central Computing Facility*". The proposal/bid shall be sent by post so as to reach at the address mentioned on invitation to bid letter, on or before the due date and time (upto 2:00 pm), as specified in the tender notification or as per the corrigendum if issued any.
- e) Bids received after deadline will not be accepted and the CUH will not be responsible for any delay due to whatever reasons.
- f) **Bid Processing Fee:** Each bidder shall pay the bid processing fee for Rs. 1000 +18% GST = Rs. 1180 in the form of *DD drawn in favour of Central University of Haryana*, *Payable at Mahendergarh*, Haryana.
- g) Earnest Money Deposit (EMD): Each bidder shall paay EMD of Rs 2,50,000(Two Lakh Fifty Thousand rupee) of the quoting value in the form of *Demand Draft drawn in favour of "Registrar Central University of Haryana, payable at Mahendergarh.*
- h) Valid NSIC and MSE Certificates will be accepted for relaxation of EMD and tender fee. Presently EMD/Tender Fee exemptions and price preference are applicable to only Micro and Small Industries. In view of the above, if the vendor will claim for EMD/Tender Fee exemptions, the vendor should meet all the criterias for Micro and Small Industries. The vendor must have to submit the supporting documents like NSIC registration certificate, MSE registration certificate issued by competent government bodies to become eligible for the tender fee/EMD exemptions. The certificates of the vendor (NSIC/MSE) shall cover the items tendered to get EMD/Tender Fee exemptions. NSIC certificate shall be valid as on due date/extended due date of the tender. This is not applicable for non NSIC unit. Note In case the bid is submitted as an Indian arm of a foreign bidder and the eligibility criteria conditions were met through foreign company, then the EMD exemption cannot be claimed under the MSME status of India arm/subsidiary. Thus a bidder who solely on its own, fulfills each eligibility criteria condition as per the tender terms and conditions and who are having MSE status, can claim EMD exemption/tender fee.
- i) **Technical Bid format:** The bidder shall confirm that the product quoted (by the bidder) shall be in conformance with the conditions/criteria as specified herein.
- j) **Financial Bid Format:** Bidders shall quote items with inclusive prices (i.e. price inclusive of taxes and all other expenses) for delivery and installation.
- k) Successful Bidder has to provide irrecoverable Performance Bank Guarantee to the tune of 10% of the order value for the warranty period in the form of *Demand Draft/FDR/Banker's cheque drawn in favour of "Registrar Central University of Haryana, payable at Mahendergarh.* The paying document of the performance Bank Guarantee should be valid till 60 days after the end of warranty/Guarantee period.

- l) **Payment Schedule**. 100% payment will be released on delivery, satisfactory installation, and integration and commissioning of said system as applicable to the procurement after deduction of taxes as applicable or as per the university norms.
- m) **Delivery Schedule:** The equipment(s)/good(s) are required to be supplied within 60 days (or mutually agreed time-period) on issue of the Purchase Order by the university. In case successful tenderer fails to complete the order in part or whole in the stipulated period of 60 days (or mutually agreed time-period) of a penalty @ 1% of the order value will be imposed per week subject to maximum penalty of 10% the order value. In case the delay is more than six weeks (after the expiry of the stipulated period) the purchase order may be cancelled and the EMD will be forfeited
- n) **Validity of quotation**: The quotation should be valid for 12 months (365 days) after the date of the opening of the bids.
- o) All the equipment's should have an onsite warranty for three years. The warranty shall take effect from the date of successful installation of machine/item and handing over of the system to the user department satisfaction.
- p) The maintenance services, including spares parts shall be free of cost during the warranty/guarantee period.
- q) The supplier shall provide assurance to give spare parts of the items/Goods at least for 10 years' time from the date of commissioning. The bidder shall provide certificate from OEM in this regard.
- r) The University reserves the right to place order or not to place order to finally selected vendor(s), depending upon the availability of the funds with the university at that point in time.

#### 2. General Conditions of the contract

- a) The Manufacturer/Bidder should not be associated or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the purchaser to provide consulting services for the preparation of the design, specification, and other documents to be used for the procurement of the goods to be required under this invitation of tender.
- b) Manufacturer/Bidder shall not be under any declaration of ineligibility for corrupt and fraudulent practices issued by any State Government/Government of India (GOI)/Union territory. The Manufacturer/Bidder should not be a defaulter of any financial institute or Bank and their assets should have never been put on auction for recovery of debts.
- c) The Manufacturer /Bidder should be in the business in India for more than 3 years as on 31-12-2019. This should be supported by the certificate of registration issued under the companies act by a competent authority.
- d) The bidder should have executed at least 2 High Performance Computing Cluster projects either directly or through system integrators(at least one cluster of the size 100TF CPU-CPU or CPU-GPU) during last 5 years in india using an architecture and technologies similar to this tender in premier Govt Indian academic and research institutions like IISc, TIFR, IISER, IIT, NIT, JNCASR, Central University or other Govt education & research organizations. The bidder shall provide the details/proof of the same must be submitted with technical bids given in **Annexure 1**.
- e) The bidder must have supplied 2 x PFS solutions (50TB or more) earlier in the past along with HPC Solutions during last 5 years in India using an architecture and technologies similar to this tender in premier Govt Indian academic and research institutions like IISc, TIFR, IISER, IIT, NIT, JNCASR, Central University or other Govt education & research

- organizations in India. Details/Proof of the same must be submitted with technical bid. The document in this regard shall be of OEM or Authorized Distributor/Bidder is required.
- f) Neither Server OEM nor the bidder be debarred or blacklisted or stopped from supplying equipment to any govt organization in the past.
- g) The details of OEM for Server Nodes, Storage and Switches must be attached with the bid
- h) Bidder has to deploy sensors for monitoring temperature, humidity and smoke detection before handover.
- i) The bidder must have executed at least one project of supplying items during last 5 years for items including 10 or more HPCC Nodes or Data Centre x86 Architecture based Servers.
- j) The bidder should have at least one service Center in India with service engineers in the relevant field of quoted items. In the event of a failure of any of the sub-systems or components of the proposed solution, the bidder has to ensure that defects are rectified within 48 hours from the time of call logged. The failure to meet the above requirement will result in extension of the warranty services by one day for delay of each day during the warranty period.
- k) Bidder should take into account any corrigendum on the tender document before submitting their bids.
- 1) The bidder must be authorized partner/system integrator of Server and Switch OEM and a letter of authorization for the tender from the OEMs must be enclosed.
- m) The CUH reserves the right to accept or reject any or all of the offers in full/part without assigning any reason whatsoever.
- n) The parts supplied should not become obsolete within 3 years of installation.
- o) Bidder should be having at least two orders minimum of Rs. 3 Crores or a single order of Rs. 5 Crores in last three years for similar items being supplied to any Central University/IIT/NIT/IISc/IIIT/Reputed Research Organization and Institute of National importance. The bidder should furnish the information supported by Purchase order or Work done certificates from the concerned department(s) OR Institution.
- p) The Manufacturer /Bidder should have the cumulative turnover of Rs. 10 Crores in last three financial year towards supply of machines/equipment(s) for the relevant computing facilities taken together or for individual items. They should furnish the details as per Performa given in **Annexure-1**. This should be supported by audited balance sheet of the company for that particular year.
- q) The Manufacturer/Bidder should submit complete Technical manual with Make and Model for technical evaluation purpose. Bids without technical manual are liable to be rejected.
- r) There should be no complaint against the Manufacturer/Bidder for poor performance of the equipment's supplied by any institute or customer. The self-certified certificate to be attached with bid in this regard on firms letter head.
- s) The Manufacturer / Bidder should submit copy of ITR of last three years.
- t) Installation, Demonstration and Testing of equipment is to be done by the supply firm in the presence of subject expert of Central University of Haryana.
- u) 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 the damaged or unapproved goods shall be returned at bidder cost. Defective part in equipment, if found before installation and /or during warranty period, shall be replaced within seven days on receipt of the intimation from CUH at the cost and risk of the bidder including all other charges.

- v) The bidder should provide the satisfactory training to our Teaching/Technical staff after installation/commissioning. The trainer should be a permanent employee of the company with a minimum of 3 years' experience in demonstrating such equipments. The details about the training programs and a brief bio-data of the trainer should be submitted along with the technical bid.
- w) The CUH is reserves the right not to place the order for one or any of the item quoted in this tender even after finalization of tender without assigning any reason for not doing so.
- x) The Manufacturer should have certification which certify the quality of instrument as per the National/International Standard applicable to respective instruments and same to be provided along with bid documents.
- y) The Bidder should have Authorization certificate from Manufacturer for the items mentioned in the tender No CUH/IT-CELL/01/2020, for Software License and other equipment(s).
- z) The Manufacturer / Bidder should be ready for demonstration of the product quoted on short notice as per the tendered specifications.
- aa) The bidder has to connect the system with University network and demonstrate the connectivity of CCF from any Department/Lab of the University.
- bb) Bidder/Manufacturers are required to quote for all the items mentioned in Tender to be eligible to award. The lowest price aggregate price of CCF will be the final for award of contract.
- cc) CUH is the final authority to judge the tender and has every power to accept or reject the same without assigning any reasons.
- dd) Technically qualified bidders should demonstrate the machine/item functionality during the installation and training.
- ee) CUH reserves the rights to accept/reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.
- ff) Any effort by a supplier to influence CUH's tender evaluation, tender comparison or contract/order award decisions may result in the rejection of the supplier's tender and forfeiture of the supplier's EMD.
- gg) After opening of bids, information relating to the examination, clarification, evaluation and comparisons of bids and recommendations concerning the award of contract shall not be disclosed to bidders or other persons not officially concerned with such process.
- hh) Technical bid should include the details as per performa given in Annexure-2
- ii) Financial bid should include the details as per performa given in- Annexure-5

- **jj**) Acceptance letter by bidder -**Annexure -6**
- kk) Warranty certificate-Annexure- 7
- II) Undertaking of support from OEM –Annexure 8

#### 3. Special conditions of the tender

(To be returned by Tenderer along with the Tender duly signed)

a) **GENERAL**: Tenderer, who are Indian Agents of OEMs, should furnish a clear declar ation as follows: We declare that I am/we are Accredited Agents of the suppliers ab oard.

DGS&D enlistment certificate needs to be attached (applicable only for the Indian Agents)

### b) **DEVIATION FROM SPECIFICATIONS**: It is in the interest of the tenderer to

study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer

makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements. Otherwise, your tender will be considered incomplete.

- c) The bidder shall submit the following:
  - i. Complete address of the dealing person along with all the details such as mobile no, e-mail id, and correspondence address.
    - Address of the OEM's Banker and their swift code.

Name and designation of the person whose name the purchase order to be placed.

- ii. Bidder shall also give the certificate that the goods for which bidding is done in this tender are of good quality and produced as per the industry specifications and best workmanship.
- iii. Jurisdiction –All the question, dispute, or differences arising under or out of or in connection with this contract, the Jurisdiction will be Narnaul (Mahendergarh). Acceptance to this affect shall be signed by the bidder at the time of bidding.
- iv. The bidder shall provide the Acknowledgement that they have gone through the whole tender documents and have thoroughly understood all the conditions, provisions, specifications and we abide by all the conditions and have understood that violation or concealment any information essential will be liable for penal action from the university and may even result in cancellation of bid and/or forfeiting of EMD.
- v. The bidder shall give the certificate that they will supply the spare parts as an when required by the university during the warranty, AMC and post AMC period for at least seven years after the warranty is over.

#### 4. Schedule of requirement

Within 60 days of placing of purchase order by the University or the period as decided mutually by the CUH and supplier.

## **Scope of Work:**

The proposed Central Computational Facility (CCF) system is expected to run scientific applications of different area of interest to the Faculty members, research scholars and students of Central University of Haryana. The proposed system is expected to handle voluminous data with sizes beyond the ability of the commonly used computers. The big data set can come from various sources including outcome of scientific computing and or/ data generated for other academic work.

#### 5. Specifications of machines/items are given as under:

- 1. Site preparation, supply, installation and commissioning of Central Computing Facility(CCF) at CENTRAL UNIVERSITY HARYANA for 540 CPU Cores and 44.5TF (Peak) Computational Facility with the all the accessories required.
- **A. Specifications**: The system provided by the bidder should have at least the components described in the table below with all the accessories required for setting up CCF. If any other item is required then that should be included.

| S.No. | Item Name     | Description                               |
|-------|---------------|---|
| Α     | Master Node   | Intel Latest Generation and scalable,     |
|       |               | minimum 2.6 GHz, minimum 18 cores,        |
|       |               | RAM 2 GB DDR4/core or more, 6TBX6         |
|       |               | HDD SATA, 8 HDD supporting BAYS or        |
|       |               | more, I/O slots, RAID level support,      |
|       |               | Graphic controller, Network interface,    |
|       |               | Chipset, Ethernet ports, Cluster          |
|       |               | interconnect with the associated software |
|       |               | stack, Rack mount , Power supplies,       |
|       |               | Server management, Form factor, Three     |
|       |               | years onsite warranty, suitable for linux |
|       |               | based simulation software and other       |
|       |               | software like MATLAB, Mathematica,        |
|       |               | MAPPLE, SPSS etc.                         |
| В     | Compute Nodes | Intel latest Generation, minimum 2.6 GHz  |
|       |               | with minimum 18 cores, RAM 3.5 GB         |

|   |                                | DDR4/Core, 480 GB SATA HDD, HDD              |
|---|--------------------------------|--|
|   |                                | Bays, I/O slots, RAID level support,         |
|   |                                | Graphic controller, Network interface,       |
|   |                                | Ethernet ports, Cluster interconnect, Server |
|   |                                | management, Chipset, Cooling system,         |
|   |                                | Power supplies, System should support 64     |
|   |                                | bit CentOS, Form factor, Three years         |
|   |                                | onsite warranty, Rack mount, All required    |
|   |                                | cables, suitable for linux based simulation  |
|   |                                | software and other software like MATLAB,     |
|   |                                | Mathematica, MAPPLE, SPSS etc                |
| С | Compute Node (CPU-GPU)         | Latest generation and scalable, with         |
|   | Node                           | minimum 18 cores, 2.6 GHz, Minimum           |
|   |                                | RAM 7.11 Gb DDR4/core, 480 GB SATA,          |
|   |                                | HDD supporting Bays, GPU Accelerator,        |
|   |                                | I/O slots, RAID level support, Graphic       |
|   |                                | Controller, Network Interface, Ethernet      |
|   |                                | port, Cluster interconnect, Chipset, Server  |
|   |                                | Management, Power Supplies, Three            |
|   |                                | Years onsite Warranty, cooling system,       |
|   |                                | Rack mount, form factor, all required        |
|   |                                | cables, suitable for linux based simulation  |
|   |                                | software and other software like MATLAB,     |
|   |                                | Mathematica, MAPPLE, SPSS etc                |
| D | HDD Storage                    | Minimum 100 TB and scalable, PFS, I/O        |
|   |                                | Nodes, power supplies, Hi speed              |
|   |                                | interconnect, all required cables, three     |
|   |                                | years onsite warranty, power supplies,       |
|   |                                | suitable for linux based simulation          |
|   |                                | software and other software like MATLAB,     |
|   |                                | Mathematica, MAPPLE, SPSS etc                |
| Е | High Speed Interconnect Switch | Latest generation managed switch with all    |
|   |                                | required accessories.                        |
|   | I                              |  |

| accessories  G Smart Rack with cooling system  Latest generation with all required accessories, 42 U  H UPS  20 KVA, with three year warranty of batteries, LCD display, Battery make Quanta/Exide/Rocket/Panasonic  Two units of console consisting of 21 Ir LED with Keyboard, mouse and all required accessories  J Warranty  Three Years onsite warranty for all the components  K Training  Proper hands on training of one week for Faculty/Operator/Technical Staff is required enable them to handle system independent!  C Cluster Management and other S/W Stack  C CCF operating system required, Resource manager & scheduler, file system support, Commercial licensed cluster management (License should be issued in the name of CENTRAL UNIVERSITY OF HARYANA System should be suitable to carry out simulations based on linux operating system with the associated software stack. The system with the associated software stack. The system under the system of the system with the associated software stack. The system should suits the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I |      |
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| Accessories, 42 U  |      |
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| enable them to handle system independent  CUster Management and other S/W Stack  CCF operating system required, Resource manager & scheduler, file system support, Commercial licensed cluster management (License should be issued in the name of CENTRAL UNIVERSITY OF HARYANA  M Software suits  System should be suitable to carry out simulations based on linux operating system with the associated software stack. The system should suits the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I  |      |
| L Cluster Management and other S/W Stack  CCF operating system required, Resource manager & scheduler, file system support, Commercial licensed cluster management (License should be issued in the name of CENTRAL UNIVERSITY OF HARYANA System should be suitable to carry out simulations based on linux operating system with the associated software stack. The system should suits the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I  | l to |
| manager & scheduler, file system support, Commercial licensed cluster management (License should be issued in the name of CENTRAL UNIVERSITY OF HARYANA  M Software suits  System should be suitable to carry out simulations based on linux operating system with the associated software stack. The system should suits the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I   | 7    |
| M Software suits  System should be suitable to carry out simulations based on linux operating system with the associated software stack. The system should suits the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I  | )    |
| with the associated software stack. The system of the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I   | 7    |
| should suits the software like MATLAB, MAPPLE, MATHEMATICA, SPSS, Big I  | ı    |
| MAPPLE, MATHEMATICA, SPSS, Big I   | tem  |
|  |      |
|  | ata. |
| The software required by the CCF should be   | 3    |
| provided free of cost for three years.   |      |
| N Other Items False flooring,  |      |
| 16 Port KVM over IP Switch (USB base   | d)   |
| with all required Cables & Accessories.  |      |
| 24 Port ,1 Gbps (RJ-45) Ethernet Swit  | :h   |
| for Secondry Communication Purpose   | and  |
| 1 unit of 48 Port, 1 Gbps (RJ-45) Ether  | et   |
| Switch for management. 36-ports OR   |      |
| MORE based , 100Gbps, 100% Non-  |      |

|  | blocking, Switching Fabric (Mellanox EDR  |
|--|---|
|  | InfiniBand or higher or Intel® Omni-Path) |
|  | with embedded Subnet Manager for 36       |
|  | devices(Nodes) or more and with           |
|  | redundant power supply/supplies. All      |
|  | cables                                    |

2. Also provide the separate quotations for upgradation of proposed CCF in item no.1 to 1000 CPU Cores and 100TF (Peak) Computational Facility with the technical specifications same as mentioned above in item no. 1.

# **1. Anenexure**(**1-8**)

# Annexure 1

# PROFORMA FOR PAST PERFORMANCE

| Tender | No | Date | of | Opening | Time |
|--------|----|------|----|---------|------|
|        |    |      |    |         | hour |
| S      |    |      |    |         |      |

| Sl<br>No | Orders placed by (Full address of Purchaser) | Order No. and Date | Description<br>and<br>Quantity of<br>ordered |   | Date of completion of delivery as per contract/actual | Remarks<br>if any |
|----------|--|--------------------|--|---|---|-------------------|
|          |  |                    | items  |   |   |                   |
| 1        | 2  | 3                  | 4  | 5 | 6   | 7                 |
|          |  |                    |  |   |   |                   |
|          |  |                    |  |   |   |                   |
|          |  |                    |  |   |   |                   |
|          |  |                    |  |   |   |                   |
|          |  |                    |  |   |   |                   |
|          |  |                    |  |   |   |                   |

| Authorized signatory                |
|-------------------------------------|
| Name of the Firm:                   |
| Signature and Seal of the Tenderer: |

# Annexure-2 The bidder should fill in the below format to be submitted in Technical Bid

| S.<br>No | Brief Description of Equipment's | Quantity to<br>be<br>Supplied | Delivery and<br>installation<br>period in days<br>from date of<br>issue of purchase<br>order | years | AMC in years |
|----------|----------------------------------|-------------------------------|--|-------|--------------|
| 1        | Master Node                      |                               |  |       | Optional     |
| 2        | Compute Node                     |                               |  |       | Optional     |
| 3        | Compute (CPU-GPU)                |                               |  |       | Optional     |
|          | Node                             |                               |  |       |              |
| 4        | HHD Storage                      |                               |  |       | Optional     |
| 5        | High Speed                       |                               |  |       | Optional     |
|          | Interconnect                     |                               |  |       |              |
| 6        | 24 Port Switch                   |                               |  |       | Optional     |
| 7        | Smart Rack with                  |                               |  |       | Optional     |
|          | Cooling System                   |                               |  |       |              |
| 8        | UPS                              |                               |  |       | Optional     |
| 9        | Display                          |                               |  | -     | Optional     |
| 10       | Cluster Management               |                               |  |       | Optional     |
|          | and other S/W Stack              |                               |  |       |              |

| Authorized signatory                |
|-------------------------------------|
| Name of the Firm:                   |
| Signature and Seal of the Tenderer: |

# Annexure-3 Evaluation of the Tenders

1.

- a) Central University of Haryana, Mahendergarh shall first evaluate the technical bids. The commercial bids of only those bidders who happened to be responsive/qualified in the technical bids, will be opened.
- b) Decision of the University in the evaluation of the Technical bids shall be final.

#### 2. Financial bid evaluation

The financial quotes submitted by technically responsive/qualified bidders will be opened. Then Contract will be awarded to the successful Bidder whose Bid has been determined to be substantially responsive and has been determined as the Best Value Bid. The bidding will be done based on lowest price quoted as a whole system whole.

- 3. **Bid submission timelines:** The timelines for bid-submission etc., will be as it is given in the Tender Schedule published.
- 4. University reserves the right to cancel any or all tenders partially or fully, without assigning any reasons.

#### Annexure-4

#### **Terms & Conditions**

#### PAYMENT SCHEDULE

Payment: 100% payment will be released on delivery and satisfactory installation and commissioning of goods after deduction of taxes as applicable.

#### **DELIVERY SCHEDULE:**

The equipment(s)/good(s) are required to be supplied within 60 days (or mutually agreed time-period) on issue of the Purchase Order by the university. In case successful tenderer fails to complete the order in part or whole in the stipulated period of 60 days (or mutually agreed time-period) of a penalty @ 1% of the order value will be imposed per day subject to maximum penalty of 10% the order value. In case the delay is more than four weeks (after the expiry of the stipulated period) the purchase order may be cancelled and the EMD will be forfeited.

#### **VALIDITY OF QUOTATION:**

The quotation should be valid for 12 months (365 days) after the date of the opening of the bids.

#### **GARANTEE/WARRANTY**

All the equipment(s) should have an onsite warranty for three years. The warranty shall take effect from the date of successful installation of machine/item and handing over of the system to the user Dept. to its satisfaction.

The maintenance services, including spares parts shall be free of cost during the warranty/guarantee period.

The supplier shall provide assurance to give spare parts of the items/Goods at least for 10 years' time from the date of commissioning.

#### **Annexure 5:**

#### FINANCIAL BID/PRICE BID

| Sl<br>No | Item | Rate | Qty | War | ranty | Total includir | in<br>ng GST | Rs<br>Γ |
|----------|------|------|-----|-----|-------|----------------|--------------|---------|
|          |      |      |     |     |       |                |              |         |

**Grand Total** 

#### **Total in words:**

Terms and conditions if any:

#### **Annual Maintenance Contract.**

The Bidder should quote the charges for Annual Maintenance Contract (AMC) for 03 (Three Years) . The charges to be quoted per annum. The cost AMC shall not be counted for the contract.

The University reserve the right to award the contract CCF along with AMC depending upon the funds available.

| S. No. | AMC Charges (after the warranty period) | Rate |
|--------|---|------|
| 1      | First Year                              |      |
| 2      | Second Year                             |      |
| 3      | Third Year                              |      |

Note: The Annual Maintenance Contract (AMC) will be awarded along with Purchase Order but will come into force after the expiry of Warranty period. Payment will be made annually and will be paid after the end of each year after the expiry of warranty period.

# Annexure - 6

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

| То,   |   | Date:  |  |   |   |
|---|---|--|--|---|---|
| <u> </u>  |   | ···  |  |   |   |
| Sub: Acceptance of Tender Reference   |   |  |  | Name of Tend  | der / Work: -   |
|   |   |  |  |   |   |
|   |   |  |  |   |   |
|   |   |  |  |   |   |
|   |   |  |  |   |   |
| Dear Si   | *   | ained the tend   | or doormant  | a) for the above  | wa mantianad  |
| 1. I/ We have dov<br>'Tender/Work'  | from  | the  | web  | site(s)   | namely:   |
| 2. I / We hereby c documents (including the contract agreent contained therein.  3. The corrigendum also been taken into 4. I / We hereby undocument(s) / corriging I / We do hereby Department/Public 6. I / We certify the event that the information department organism reject the bid or to including the forfeit. | ng all document<br>nent and I / we<br>n(s) issued from<br>o consideration,<br>inconditionally<br>gendum(s) in its<br>declare that ou<br>sector undertaking<br>at all information<br>ormation is four<br>sation shall with<br>terminate the co | e have read the s like annexure e shall abide he time to time be while submitting accept the tender totality / entire r Firm has not ang/Govt. Autoron furnished by and to be incornout giving any ntract, without | entire terms (s), schedule(ereby by the yyour depart of this acceptater conditions ety. 5.  been blackli nomous organization the our Firm rect/untrue of notice or reaprejudice to | and conditions (s), etc.,), which terms / conditions (s), etc.,), which terms / conditions (s) of above mentations (s) of above mentations.  In its true & correct found violated (s) therefore connections (s) any other right | of the tender<br>h form part of<br>ions / clauses<br>tions too have<br>attioned tender<br>by any Govt.<br>The ect and in the<br>ed, then your<br>an summarily |
| (Signature of the Bi  | dder, with Offic  | cial Seal)   |  |   |   |

#### Annexure-7

# Warranty Declaration {Submitted on Letterhead of bidder/supplier}

The warranty declaration states 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 computational tasks, as specified in the tender document."

| Sign of authorised person of bidder:      |  |  |  |
|---|--|--|--|
| Date: -                                   |  |  |  |
| Name of the authorised Person of bidder:- |  |  |  |

## Annexure-8 Undertaking {Submitted on Letterhead of Original Equipment Manufacturer (OEM)}

An undertaking from the Original Equipment Manufacturer (OEM) is required and stating that they would facilitate the bidder on a regular basis with technology/product updates and extends support for the warranty as well.

| Sign of authorized person (OEM):-    |
|--------------------------------------|
| Date: -                              |
| Name of the authorized Person (OEM): |