

**SUPPLY AND INSTALLATION OF RACK SERVER (HPC) WITH
ACCESSORIES UNDER SERB PROJECT**



TENDER DOCUMENT
TENDER NO.:2019-20/11
DUE DATE: 17.10.2019 at 15.00 Hrs.

Central University of Tamil Nadu
Neelakudi Campus
Thiruvarur – 610 005
Tamil Nadu
Phone No. 04233-277359
E-mail: purchase@cutn.ac.in

NOTICE INVITING TENDER (NIT)
(Submission of Tender in Two Bid Format)

Sealed Tenders are invited under Two Bid systems (Technical & Commercial) from reputed Computer server and workstation Manufacturers Suppliers for the supply of **Rack Server (HPC) with Accessories** as mentioned below.

Sl. No.	Name of the Item/Description	Quantity
1	Master Node	One(01)
2	Compute Node	Two (02)
3	Primary Communication Network	One(01)
4	Secondary Communication Network	One(01)
5	42 U Floor Standing Server Rack	One(01)
6	Software Stack & Installation	-

Tender Documents can be downloaded from CUTN-website < <https://cutn.ac.in/tenders/> >

IMPORTANT DATES & TIME

Tender Issuing date	26.09.2019 at 09.00 hrs
Last date and time of Submission of bids by the prospective bidders in Two Bid Format	17.10.2019 at 15.00 hrs.
Date and Time of Opening of Technical Bids	17.10.2019 at 16.00 hrs.
Venue of Opening of Bids	Conference Hall, Administrative Block, Room No. F1-02, (First Floor), CUTN
Tenders to be submitted at	Dispatch Section(Administrative section), Admin block , CUTN
Earnest Money Deposit (EMD)	Rs.30,000/-
Technical specification related query contact	admin@cutn.ac.in & prabhav@cutn.ac.in

IMPORTANT NOTE:

- Please strictly adhere to the dates/times mentioned in this document.
- The bid will be opened in the presence of bidders/representatives. If any unscheduled holiday occurs on the date of submission/opening, then next working day shall be prescribed as date of submission/opening.
- Prospective bidders are requested to submit their offers in **Two-Bid format** only as per tender documents.
- Requests for postponement of date and time of submission and opening of bids will not be entertained.
- Fax/email bids will not be accepted.
- Late/Delayed bids shall not be opened.
- Please send your bids to the **Officer In charge** (Purchase) at the address mentioned above

INSTRUCTIONS TO BIDDER FOR SUBMISSION OF BID etc.,
AND TERMS & CONDITIONS

SECTION-A ELIGIBILITY/QUALIFICATION CRITERIA

1. Eligible Bidders

1.1 Bids are invited from manufacturers or their dealers specifically authorized by the manufacturers to quote tender, who have supplied the Rack Server (HPC) with Accessories as specified in the “Technical Specification”. Rack Server (HPC) with Accessories must be of the most recent series/models, incorporating the latest improvements in design.

1.2 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/ product.

1.3 That the Bidder will assume total responsibility for the fault-free operation of Server with Accessories and maintenance during the warranty period and provide necessary maintenance services.

1.4 Bidders who meet the criteria given above are subject to be disqualified, if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, etc.,

1.5 If before/after the placement of the Purchase Order it is found/noticed that the supplier has been black-listed/debarred then such supplier will be dropped from the tendering process as technically not suitable to quote or order will be cancelled. Thus, black-listed/debarred firms are requested not to participate in our tendering process.

1.6 Any additional bid participation criteria/eligibility conditions etc. mentioned in the Technical Specification sheet will also form part of the Qualification Requirements along with those mentioned in this chapter.

2. TECHNICAL QUALIFYING CRITERIA

The Tenderer must fulfill the following eligibility condition.

- i) The Bidder must be an Original Equipment Manufacturer (OEM) or his Authorized Dealer/Channel Partner having a Direct Purchase and Support agreement with the OEM. In case, the Bidder is a Dealer, a valid **LETTER OF AUTHORIZATION** from Original Equipment Manufacturer should be produced along with the bid.
- ii) The bidder should be registered under the Companies Act 1956 or a registered firm. Registration certificate to this effect must be produced.
- iii) The bidder /OEM must have office in Tamil Nadu with well-established Service Centre.
- iv) One OEM can authorize one partner only and one partner can represent only one OEM
- v) The bidder should have average annual sales turnover of **Rs.1 Crores** or more during the last three financial years ending 31 st March 2018. Attach firm’s last **3 years** audited profit and loss Account balance sheet duly audited by C.A.
- vi) The bidder / OEM should have successfully executed at **least three** such High-Performance Computing Cluster (HPCC) projects integrated with Infiniband / OPA, in the last **five** financial years preferably by supplying to the Central/ State Govt./ PSUs/ Universities / IITs /Autonomous bodies/ any firm and proof of supply and its working condition is a mandatory and must be produced along with the bid document.

- vii) The bidder should have in and around sales/ Service centers in Tamil Nadu/Puducherry/Trichy for the past five years with required manpower.
- viii) Bidder must be in existence in the HPC business for at least in the last **Three** years. Documentary evidence to this effect must be produced along with technical bid.
- ix) The bidder should ensure that: Defective part replacement during **warranty period (3 years)** should follow with Advance Replacement Policy.
- x) Bidder should be in a position to provide case logging procedure for both hardware and software failure.
- xi) Bidder shall possess ISO 9000 & BIS certification for Quality System implementation. Required documents shall be provided along with offer.
- xii) Bidder should be registered under GST Act with concerned State Sales Tax Authorities. The bidder should furnish along with the bid document, the relevant GST Registration Document and PAN / GST copies.
- xiii) List of Present Clientele to whom identical or similar equipment supplied in the preceding three years must be produced with contact addresses & telephonenumber.
- xiv) The Technical Bid should be accompanied by **30,000/-** (Rupees Thirty Thousand only) in the form of a bank Demand Draft/Pay Order in favour of **Central University of Tamil Nadu** payable at **Thiruvarur** towards the Earnest Money Deposit (EMD). The firms who are registered with National Small Industries Corporation (NSIC) / or Small Scale Industrial (SSI)/ Micro & Small Enterprises (MSEs) are exempted to furnishing the EMD. Self-attested photocopy of valid registration certificate issued by competent authority for supply of IT equipment must be enclosed with the technical bid.
- xv) The bidder should not have been blacklisted by any State Government/Central Government and/or any Central PSU. Declaration to this effect should be furnished in the Technical Bid. (**Annexure –V**)

SECTION-B: THE BIDDING DOCUMENTS

3. Contents of Bid Document

The goods required, bidding procedures and contract terms are prescribed in this bid document which includes the following:

3.1 The Bidder is expected to examine all instructions, forms, terms and conditions and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and shall result in rejection of the bid.

4. Amendment to Bid Document

4.1 At any time prior to the deadline for submission of bids, CUTN may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bid Document by amendment. Such amendments shall form an integral part of bid documents and it shall amount to an amendment of relevant clauses of the Bid Document.

4.2 The prospective bidders are required to keep a watch on the CUTN website <<https://cutn.ac.in/tenders/>> for any amendment to the tender document or to clarification to the queries raised by the bidders till 05 (Five) day prior to the opening of the tender. CUTN reserves the right to reject the bids if the bids are submitted without taking into account these amendments/ clarifications. Further, bidders will be fully responsible for downloading the tender document and amendments thereto if, any for their completeness.

4.3 In order to allow prospective bidders to take reasonable time in which to effect the amendment into account in preparing their bids, CUTN, at its discretion, may also extend the deadline for the submission of bids.

SECTION - C PREPARATION OF BIDS

5. Language of Bid

The Bid prepared by the Bidders and all correspondence and documents relating to the bid exchanged by the bidder shall be written in English language only.

6. Documents Comprising the Bid

6.1 The bid is required to be submitted in **two Bid Format (TECHNICAL & PRICE)**. The bidders shall submit their bids in sealed covers (Tender No. & Due date must be compulsorily mentioned on the envelope containing the bid)

6.2 Detailed Specifications, Catalogues, List of users, payment terms and warranty terms etc., must be submitted along with technical bid.

6.3 Technical Bid shall include the following

- (i) EMD as specified in the invitation to bids
- (ii) Financial Statement for the year 2016-17,2017-2018 and 2018-2019
- (iii) IT return filed for year 2016-17,2017-2018 and 2018-2019
- (iv) Copy of PAN card
- (v) Copy of GST Registration Certificate
- (vi) Manufacturer's Authorization Letter – Annexure - I
- (vii) Bidder's Performance Statement Form- Annexure-II
- (viii) Declaration certificate-Annexure-III
- (ix) Turnover Details-Annexure-IV
- (x) Copy of the tender document duly signed by the prospective bidders with company seal in all the pages.

7. Prices

The Bidder shall indicate the unit price and total price of the goods it proposes to supply under the order and enclose it with the price bid. Please consider quoting special **prices applicable to centrally funded institutions** as per your company policies.

7.1 Price quoted for equipment must include all costs associated with packing transportation, insurance, all duties and levies, delivery of equipment, loading and unloading on **DOOR DELIVERY** basis to the university at Neelakudi Campus, Thiruvavur 610 005 including its installation, commissioning, integration and validation.

7.3. Price of Annual Maintenance Contract (AMC) for **THREE** years after the warranty period shall be quoted separately. Purchaser reserves the right to negotiate on AMC.

7.4. Prices quoted by the Bidder shall be firm during the validity of the bid.

7.5 Prices indicated shall be entered separately in the following manner

- i. The price of the **Rack Server with Accessories** shall be quoted
- ii. **Taxes:** CUTN is registered with Department of Scientific Industrial Research (DSIR), for the purpose of availing 5 % GST as per the Notification No. 47/2017 - Integrated Tax (Rate) dated 11.09.2015 for computers.
- iii. If there is no explicit mention of taxes in your offer, then quoted price will be **deemed inclusive** of such taxes. **No other charges except those mentioned clearly in the price bid will be paid.**

8. Warranty

All Vendors (Manufacturers / Agents) must submit offers with at least **3 (three) years comprehensive and onsite warranty** after successful installation of the Server and its accessories at Site, i.e., CUTN, Thiruvarur (**which would be considered for the tender evaluation purpose**). The successful installation date along with the date to be reckoned for start of the warranty period needs to be certified by the vendor & the user scientist. **The warranty offered should be unconditional and the seller should agree to replace or repair the Rack Server (HPC) with Accessories at his cost. The spare parts for the warranty repair have to be provided by the vendor.**

8.1 Delivery Period:

- a) The firm **delivery period (5 weeks) after issue of Purchase Order**. Delivery is to be made at CUTN, Thiruvarur. Delivery must be on FREIGHT PAID BASIS for dispatch by Road.
- b) Locations for the supply / services
The items covered by this document is required to be supplied and installed at
Central University of Tamil Nadu
Neelakudi Campus,
Thiruvarur – 610 005

9. Bid Currencies

Prices of items shall be quoted in Indian Rupees (INR).

9.1 Documents Establishing Bidder's Eligibility and Qualifications

The bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualification to perform the contract if the bid is accepted.

9.2 Period of Validity of Bids

Bids must remain valid for at least **150 days** after the date of bid opening prescribed by CUTN. A bid valid for a shorter period may be rejected by the Purchaser as non- responsive.

9.3 In exceptional circumstances, CUTN may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (fax or e-mail). The bid security shall also be suitably extended, if applicable.

9.4 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

10. Patent Right & IPR Laws:

The supplier shall indemnify CUTN against all third-party claims of infringement of Patent, Trademark or Industrial Design Rights arising from the use of Goods or any part thereof in the Purchaser's country (INDIA). The vendor should be sure about his claim on the ownership of technology and total compensation in the event of a claim should be paid to the buyer in case of patent infringement.

11. Right to Information Act,2005

The tenderer may indicate if any information in his tender includes information of commercial confidence, trade secrets or intellectual property, the disclosure of which would harm the competitive position of your company.

12. Format of Bid

The tenders are invited on two bid systems i.e. the qualifying bid (technical bid including EMD) and then the price bid:

12.1 The tender form for Technical bids shall be complete in all respects should be submitted in sealed cover superscribed – “**Technical Bid – Supply and Installation of Rack Server with Accessories under SERB Project**”

12.2 The tender form for price bid shall be complete in all respects should be submitted in sealed cover superscribed – “**Price Bid – Supply and Installation of Rack Server with Accessories under SERB Project**”

12.3 The above two sealed covers should be put together in another big cover/envelope which should be sealed with wax. The cover shall be superscribed as “Tender No:....., dated:..... & Name of Tender “ **Supply and Installation of Rack Server (HPC) with Accessories under SERB Project**” and addressed to

**The Registrar,
Central University of Tamil Nadu (CUTN)
Neelakudi, Thiruvarur – 610**

Further, the sentence “NOT TO BE OPENED” before due date and time of tender opening, should also to be indicated on this envelope. If the outer big envelope is not sealed and marked properly as above, CUTN will not take any responsibility for its misplacement, premature opening etc. The bid document shall be submitted in the above mentioned address latest **by 15.00 hrs. on 17/10/2019**

13. The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed /endorsed by the person or persons signing the bid.

13.1 Any interlineations, erasures or overwriting shall be valid only if the persons or persons signing the bid initial them.

SECTION - D. SUBMISSION OF BIDS

14. BID SECURITY (EARNEST MONEY DEPOSIT):

The bidders shall furnish as part of the bid, a Bid Security (EMD) for an amount of **Rs.30,000/-** (Rupees Thirty Thousand only) in the form of Demand Draft/ Banker Cheque from any nationalized Bank in favour of “**Central University of Tamil Nadu**” payable at **Thiruvarur**. The EMD will bear no interest whatsoever. The EMD should be enclosed with the Technical Bid.

a. The bid security is to protect CUTN against the risk of bidder's conduct, which would warrant the bid security's forfeiture.

b. The bid security of the unsuccessful bidder will be discharged /returned to them in 30 days after award of contract/order. The EMD of successful bidder will be retained as Retention Money and the same will be returned after submitting the Bank guarantee.

c. The bid security may be forfeited:

- (a) If a bidder withdraws his bid during the period of bid validity or makes modifications to his tender which are not acceptable to CUTN
- (b) If the bidder fails to sign the contract and does not furnish the performance security.
- (c) Failure to full fill the contract terms & conditions

d. Fax or e-mail bids will be rejected.

15. Deadline for Submission of Bids

Bids must be received at CUTN in the address specified not later than the time and date specified in the NIT. In the event of the specified date for the submission of Bids being declared a holiday for CUTN, the Bids will be received up to the appointed time on the next working day.

15.2 CUTN may, at its discretion, extend this deadline for submission of bids by amending the bid documents.

16. Late Bids

Any bid received after the deadline for submission of bids prescribed by CUTN, will be rejected and/or returned to the Bidder.

17. Modifications and Withdrawal of Bids

The Bidder may modify or withdraw its bid after the submission of bid provided that written notice of the modification or withdrawal is received by CUTN prior to the deadline prescribed for submission of bids.

18. No bid may be modified subsequent to the deadline for submission of bids.

18.1 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the bid form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security

SECTION- E: OPENING AND EVALUATION OF BIDS

19. Opening of Bids by the Purchaser

19.1 CUTN through its "TENDER OPENING COMMITTEE (TOC)" will open bid in the presence of Bidders/representatives who choose to attend, as per the schedule given in invitation to bids. Bidders interested in participating in the bid opening process, should depute their representatives along with an authorization letter to be submitted to CUTN (Tender Opening Committee) at the time of bid opening as mentioned in the NIT.

19.2 The Bidders' representatives who are present shall sign the bid opening attendance sheet evidencing their attendance. In the event of the specified date of Bid opening being declared a holiday for CUTN, the Bids shall be opened at the appointed time and location on the next working day.

19.3 The bidder's names, bid modifications or withdrawals, specifications, and the presence or absence of requisite bid security and such other details, TOC at its discretion, may consider appropriate, will be announced at the bid opening meeting.

20. Bids that are received late shall not be considered for further evaluation, irrespective of the circumstances.

21. Any correction in the price quoted in the tender in words and/or figures shall be encircled in red ink by the bidders/representative and signed. The members of the tender opening committee shall endorse this.

22. Clarification of Bids

22.1 To assist in the examination, evaluation and comparison of bids, the Purchaser may, at its discretion ask the bidder for any clarification(s) of its bid/offer. The request for clarification and the response shall be in writing and no change in the prices or substance of the bid shall be sought, offered or permitted. **However, no post Bid clarifications at the initiative of the Bidder shall be entertained/considered.**

22.1 Any clarification and confirmation from the vendor after opening of the bid should not result in modification of their original offer in order to suit or meet the tendered specifications which would not be considered and accepted. Technical evaluation will be done strictly as per the details mentioned by the vendor in original offer with respect to the tendered specifications of CUTN.

22.3 Any item not quoted in their original offer will not be accepted even though the party is willing to provide the materials + the unmentioned items at the same cost.

22.4 Any confirmation/clarification/modification by the bidder against the letter from CUTN for communicating them the technical points of rejection would not make the firm technically suitable and their offer will stand as technically rejected. **Technical evaluation will be done strictly as per original offer submitted by the vendor with respect to the tendered specifications of CUTN.**

23. Preliminary Examination

23.1 The TOC will examine the bids to determine whether they are complete, whether required EMD have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

23.2 The TOC shall examine the bids to confirm that all documents and technical documentation as requested have been provided, and to determine the completeness of each document submitted

(a) All the tenders received will first be scrutinized to see whether the tenders meet the basic requirements as incorporated in the NIT. The tenders, which do not meet the basic requirements, are to be treated as unresponsive and ignored. The following are some of the important points, for which a tender may be declared as unresponsive and to be ignored, during the initial scrutiny:

- (i) The Bid is unsigned.
- (ii) The Bidder is not eligible.
- (iii) The EMD is not submitted.
- (iv) The Bid validity is shorter than the required period.
- (v) The Bidder has quoted for goods manufactured by a different firm without the required authorization letter from the manufacturer/OEM.
- (vi) Bidder has not agreed to give the required performance security.
- (vii) The goods quoted are sub-standard, not meeting the required specification etc.
- (viii) Against the schedule of Requirement (incorporated in the tender enquiry), the tenderer has not quoted for the entire requirement as specified in that schedule.
- (ix) The tenderer has not agreed to some essential condition(s) incorporated in the tender enquiry.

24. Responsiveness of Bids

24.1 Prior to the detailed evaluation, the TOC will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is

one, which conforms to all terms and condition of the bidding documents without material deviations, reservations or omissions. A material deviation, reservation or omission is one that:

- (a) affects in any substantial way the scope, quality or performance of the **Server with Accessories** and related services specified in the Contract; or
- (b) limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract ; or
- (c) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

24.2 The TOC determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

24.3 If a bid is not substantially responsive, it will be rejected by the TOC and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.

25. Examination of terms & Conditions, technical Evaluation

25.1 The TOC shall examine the Bid to confirm that all terms and conditions specified in the tender document have been accepted by the Bidder without any material deviation or reservation including the terms & conditions mentioned.

25.2 Prior to the detailed evaluation, the TOC determine the *substantial responsiveness* of each bid to the Bid Document as mentioned. Deviations from or objections or reservations to critical provisions such as those concerning Bid Security/ Performance Security, Warranty, Taxes & Duties will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

25.3 TOC shall evaluate the technical aspects of the Bid submitted to confirm that all requirements specified in Schedule of Requirement of the Bidding Documents have been met without any material deviation or reservation.

25.4 If, after the examination of the terms and conditions and the technical evaluation with respect to the tendered technical specification of CUTN, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB, it shall reject the Bid.

25.5 CUTN may waive any minor informality, non-conformity, or irregularity in a bid, which does not constitute a material deviation, provided such a waiver, does not prejudice or affect the relative ranking of any Bidder.

25.6 After downloading, the language of standard clauses etc. mentioned in this 'Bid Document' should not be tampered with/ changed/modified in any manner whatsoever. If any such modification etc. comes to our knowledge at any stage, the bid shall be rejected immediately and EMD shall also be forfeited.

26. Evaluation & Comparison of Bids.

26.1 For the bids surviving the technical evaluation which have been found to be substantially responsive shall be evaluated and compared.

26.2 To evaluate a Bid, the TOC shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be used.

26.1 PROCESS OF EVALUATION

27. Contacting CUTN

27.1 No bidder shall contact CUTN or concerned scientist on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of CUTN, it should do so in writing.

27.2 Any effort by a bidder to influence CUTN in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

28. Post qualification

28.1 In the absence of pre-qualification, CUTN will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily.

28.2 The determination will take into account the eligibility criteria listed in the bidding documents and will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.

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SECTION-F: PAYMENT TERMS

29. Payment Terms

29.1 Payment for Indigenous supplier: 100% payment would be released after satisfactory installation as certified by the user Scientists, subject to submission of Performance Bank Guarantee (PBG) for 10% of the purchase order value, covering the period of Warranty+60days.

- a) Successful bidder is requested to furnish the following details for making payment.
 - i) 11 digit core banking Account Number.
 - ii) Type of Account (Saving/Current)
 - iii) Name of Account Holder
 - iv) Name of Bank & Branch
 - v) IFSC Code Number
 - vi) MICR Number

29.2 No outright advance payments will be made to the firms. Any advance will be against a bank guarantee of equivalent value.

- (i) No extra charge will be paid by CUTN, Supplier will take care for all transit risks for the safe delivery of the item.

SECTION – G: PENALTY CLAUSE

30. Penalty clauses: -

30.1 Penalty (Liquidated Damages) @ **0.5%** of basic price per week will be deducted from Manufacturer's/ Indian Agent's Bill for delay in Delivery & Dispatch beyond Delivery dates (as extended by CUTN in Purchase Order and Letter of Credit Schedule). Maximum deduction for failing to deliver within CUTN approved delivery period & extensions will be limited to **5%** of Ex-works Value (equivalent in Indian Rupees) for non- fulfillment of delivery deadlines and any other contractual obligations as per Purchase Order. Once the maximum is reached, CUTN may consider termination of the Contract. Delay in Installation

beyond contractual deadline will result in forfeiture of EMD and Performance Bank Guarantee.

31. Performance Guarantee

The successful bidder has to give Performance Bank Guarantee (PBG) in the form of Demand Draft / Bank Guarantee from an Indian commercial bank, for 10 % of Order Value. Performance Bank Guarantee should remain valid for a period of sixty days beyond the warranty period.

32. Corrigenda: Corrigenda, if any, to this tender will be published on our website <https://cutn.ac.in/tenders/>. The bidders are advised to check our website before submitting the bid. For any clarification, please [mail at purchase@cutn.ac.in](mailto:purchase@cutn.ac.in)

COVER -1 (Technical Bids)

TECHNICAL BID FOR COMPUTER RACK SERVER AND ACCESSORIES UNDER SERB PROJECT

CUTN is looking for Prospective bidders for the supply and installation of Rack Server (HPC) with Accessories under SERB project

Item- : Master/Login/Compilation Node

Quantity: One

Make: HP/DELL/TYRONE/CISCO/IBM

S. No.	Technical Specification		Compliance (Yes/No)
1	Processor(s)	Populated with minimum 2 x Intel® Xeon Cascade Lake Silver Processors 10-Core, 2.2GHz, 14M or better	
2	Memory	128GB support up to DDR4-2400 ECC RDIMM System should support minimum 16 DIMM slots or better	
3	RAID	SAS RAID controller supports RAID 0, 1, 5, 6, 10, 50, 60 with 2GB Cache	
4	Storage	2 x 480GB, Enterprise Class Hot Swap SSDs or equivalent	
		6 x 4000GB, 7.2K RPM Enterprise SATA hot-plug HDDs or equivalent	
		(with at least 8 hot swap bays or more)	
5	NIC	2 x Gigabit(10/100/1000Mbps) Ethernet ports with 2 x 2M Gigabit Ethernet PatchCable	
6	Interconnect	1 x FDR (56Gbps) Single Port with cable of 2M length	
7	Graphics	On board Graphics	
8	Management	On-board with dedicated LAN and KVM over LAN support With required License for activation	
9	Exp Slot(s)	Minimum 4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8 slots or equivalent	
10	Ports	Minimum 2 USB 3.0, 4 USB 2.0, 1 x Video or equivalent	
11	Chassis	2U rack-mountable with sliding rails	
12	P. Supply	Redundant, hot-plug power supplies	
13	Peripherals	24" LED Monitor, Keyboard & Optical Mouse	
14	Warranty	Warranty includes 3 – Years parts, 3- years labour, 3-years onsite support with next business day response	

Item – 2: Compute Node

Quantity: Two

Make: HP/DELL/TYRONE/CISCO/IBM

S. No.	Parameter	Specification of the Computer Node	Compliance (Yes/No)
1	Processor(s)	Populated with minimum 2 x Intel® Xeon Cascade Lake Gold Processors 10- Core, 2.5GHz, 14M or better	
2	Memory	128GB support up to DDR4-2667 ECC RDIMM System should support minimum 16 DIMM slots or better	
3	Storage	1 x 240GB, Datacenter Class Hot Swap SSDs, Max 4 Bays should support or equivalent	
4	NIC	2 x Gigabit(10/100/1000Mbps) Ethernet ports with 2 x 2M Gigabit Ethernet Patch Cable	
5	Interconnect	1 x FDR (56Gbps) Single Port with cable of 2M length	

6	Graphics	On board Graphics	
7	Management	On-board with dedicated LAN and KVM over LAN support With required License for activation	
8	Exp Slot(s)	1 PCI-E 3.0 x16 (LP) slots should be free or equivalent	
9	Ports	2 USB 3.0, 1 x Video or equivalent	
10	Chassis	2U or better rack-mountable with sliding rails	
11	P. Supply	Redundant, hot-plug power supplies	
12	Warranty	Warranty includes 3 – Years parts, 3- years labour, 3-years onsite support with next business day response	

Item -3 : Primary Communication Network
Quantity : One

S. No.	Parameter	Specification of the Computer Node	Compliance (Yes/No)
1	Switch Family	Switch X 2-2 based FDR Infiniband	
2	Number of infiniband ports	Minimum 12 QSFP+Ports	
3	Data Transfer Rate	56 Gbps	
4	Management & Protocols	Yes	
5	Media Type Supported	Optical Fibre	
6	Form Factor	Rack Mountable – 1U	
7	Warranty	Warranty includes 3 – Years parts, 3- years labour, 3-years onsite support with next business day response	
8	Other Features, if any		

Item -4 : Secondary Communication Network
Quantity : One

S. No.	Parameter	Specification of the Computer Node	Compliance (Yes/No)
1	Switch Family	24 Port Gigabit Ethernet Switch	
2	Number of Ports	24 Ports 10/100/1000 Base – T + 2 SFP Ports	
3	Switching Capacity	Minimum 140 Gbs	
4	Management & Protocols	Yes	
5	Transmission Method	Store and Forward	
6	MAC Address Table	8000 entries	
7	Form Factor	Rack Mountable -1U	
8	Warranty	Warranty includes 3 – Years parts, 3- years labour, 3-years onsite support with next business day response	
9	Other Features, if any		

Item -5 : 42U Floor Standing Server Rack
Quantity : One

S. No	Description	Compliance (Yes/No)
1	42 U Floor Standing Server Rack	
2	Height x Length x Width – 1993mm x 1070mm x 600mm or equivalent	
3	Hardware Adjustable Mounting Rails	
4	Back Door Construction Steel Mesh	
5	Back Door Key Lock	
6	Cable Management	
7	Fan(s) – Minimum 4 Nos. or equivalent	
8	Front Door Key Lock	
9	Front Door Reversible and /or Removable	
10	Side Panel Construction Solid Steel Side Panel (s) key lock	
11	Side Panels Reversible and / or Removable	
12	Style Floor - Standing	
13	U height 42U	
14	Warranty includes 3 – Years parts, 3- years labour, 3- years onsite support with next business day response	
15	Other Features, if any	

Item -6 : Software Stack & Installation

S. No.	Specification of the Computer Node	Compliance (Yes/No)
1	OS: Open Source Linux	
2	Job Schedulers	
3	GUI based Job monitoring and management Cluster Management Software.	
4	Cluster Management software should have an ability to switch to a different job scheduler at run time.	
5	Vendor has to provide support for Clustering software during the warranty period GUI based reporting,	
6	Workload cum resource manager with policy-aware, resource-aware and topology- aware Scheduling.	
7	Advance reservation support	
8	Support of job submission through CLI, Web-services and APIs	
9	Heterogeneous cluster support	
10	Multi-cluster support	
11	Pre-emptive and backfill scheduling support	
12	Application integration support	
13	Live reconfiguration capability SLA/Equivalent	

14	GPU Aware scheduling	
15	Intuitive web interface to submit and monitor jobs	
16	MPI: Open MPI, MVAPICH	
17	Libraries: Open Source Libraries for C, C++ & FORTRAN, MPI, MKL, Blas 1,2,3, Lapack, Scalapack etc.	

Technical Bid shall include the following

- a. EMD as specified in the invitation to bids
- b. Financial Statement for the year 2016-2017, 2017-2018 and 2018-19
- d. IT return filed for year 2016-2017, 2017-2018 and 2018-19
- e. Copy of PAN card
- f. Copy of GST Registration Certificate
- g. Manufacturer's Authorization Letter- Annexure -1
- h. Bidder's Performance Statement Form-Annexure-II
- i. Declaration certificate- Annexure - III
- j. Turnover Details- Annexure - IV
- k. Copy of the tender document the entire Page duly signed by the prospective bidder with company seal.

I/We certify that all the terms and conditions of the tender documents are acceptable to us.

Signature of the authorized person

Name :

Designation :

Company Seal

Date :

Place :

Cover-II (Price Bid)

PRICE BID

S.No	Item Description	Qty.	Brand	Unit Price	Taxes GST @ 5%	Total Price
1	Master Node	1				
2	Compute Node	2				
3	Primary Communication Network	1				
4	Secondary Communication Network	1				
5	42 U Floor Standing Server Rack	1				
6	Software Stack & Installation	-				
Total Amount in Rs (Inclusive of All Taxes)						

Total Rupees in words:

Signature of the bidder/authorized Person

Name:

Company Seal:

Date :

Place :

ANNEXURE -I

MANUFACTURER'S AUTHORIZATION LETTER

Dated-----

To
The Registrar
Central University of Tamil Nadu
Neelakudi , Thiruvavur-610 005
Tamil Nadu.

Dear Sir:

We _____ who are established and reputed manufacturers of having factories at _____ (*address of factory*) do hereby authorize M/s. _____ (*Name and address of Agent*) to submit a bid, negotiate and receive the order from you against your tender enquiry.

No company or firm or individual other than M/s _____ is authorized to bid and conclude the contract in regard to this business.

We hereby extend our full guarantee and warranty as per the requirement of CUTN mentioned in the tender document for the goods and services offered by the firm.

Yours faithfully, (Name)

(Name of manufacturers)

Note: This letter of authority should be on the **letterhead of the manufacturer** and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its techno-commercial un priced bid.

ANNEXURE -II

BIDDER'S PERFORMANCE STATEMENT FORM

(For a Period of Last 3 Years)

Sl. No.	Year	Date of Receipt of order	Name of the Department	Value of order	Whether full supply was made within the time stipulated, if not, Give details of delayed offers and reasons thereof.
1					
2					
3					
4					
5					
6					

Name of the bidder

Signature & Seal

Date :

Place:

Annexure-III

DECLARATION

I/We having our office at declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

Signature :

Name :

Designation :

Name of the Company :

Address of the Company :

Seal of the company :

Date :

Place :

ANNEXURE – IV
TURN OVER DETAILS

As per the tender eligibility criteria, the sales turn-over should not be less than **1 crore (Rupees One Crore only)** per annum in the past three years for procurement of computers/workstations. These turn-over details will have to be substantiated with the appropriate documentary evidences duly enclosed.

The last three years sales turn-over details are furnished as follows.
Name of the Company / Firm

Sl. No.	Financial Year	Turnover (Rs. In Lakhs)
1	2016-17	
2	2017-18	
3	2018-19	

Proof of the above sales turn-over details should be furnished in the form of audited balance sheet of the bidder. In case, if the Audited balance sheet is not ready, financial statements duly authenticated by the qualified Company Auditor should be enclosed.

Signature of the bidder/authorized Person

Name:
Company Seal:

Date :

Place :