



PONDICHERRY UNIVERSITY
(A Central University)
Department of Electronics Engineering
(R.V.NAGAR, KALAPET, PUDUCHERRY – 605 014)
Website: www.pondiuni.edu.in



PU/DEE/SET/Tender/Hardware & Software/2019-20/227

19.07.2019

Tender Notification

Sub: Tender for Procurement of Hardware (Desktop Computers & Tower Server) and Software (Netsim - Academic and R&D Version; & ANSYS Academic Research HF Package) – Sealed Tenders called for – Reg.

Ref: PU/PS4/Desktop/2018-19/311., dt., 10/05/2019

Sealed Tenders under single bid system are invited from reputed manufacturers / authorized dealers of reputed manufacturers for Supply, Installation and Networking of Desktop Computers, Server and Software as per the specifications mentioned below.

The Tender should be sent by post (Speed/ Registered/Gourier) accompanied by appropriate Illustrative literature/ Catalogue/ Pamphlets/ Technical Details and Specifications as the case may be. The Price quoted should include all the costs viz., unit cost, delivery, installation, networking, testing and all taxes, etc., Warranty terms should be explicitly specified in your quotation. **The last date for submission of the Tenders is 19.08.2019 by 3.00 PM** and the Tenders will be opened on the same day at 3.30 pm in the presence of the available tenderers.

I. Schedule of Requirement:

Tenders are invited in a sealed cover for supply of:

Sl. No.	Items	Requirements
1	Desktop Computer	14 nos.
2	Tower Server	01 no.
3	NetSim Academic: Latest Version	10 User Perpetual Licenses.
4	NetSim R&D: Latest Version	Single User Perpetual License.
5	ANSYS Academic Research HF Package: Latest Version	Single Task Perpetual License.

II. Specifications:

Sl. No.	Item	Specification
1	Desktop Computer	<p>8 Gen Intel core i7-8700 (3.2GHz and Above)</p> <p>8GB RAM DDR4 – 2400 MHz & above , HDD 1 TB 7200 rpm SATA; Dual layer DVD Writer; Motherboard Intel H370/Q370 Chipset, Wi-Fi, 2GB NVIDIA Graphics, Windows-10 Prof(64bit), MSO,DVD RW, Wireless mouse & Keypad, SFF chassis with suitable power supply; 18.5” or higher TFT LED Monitor</p> <p>Integrated: Sound and Graphics controller; Integrated 10/100/1000 GbE LAN, Wireless 802.11b/g/n (1x1) and Bluetooth® 4.0 M.2 combo.</p> <p>Warranty: 3 years.</p>

2	Tower Server	<p>Intel Xeon Silver 4110(2.1GHz/8-core/11MB/85W)</p> <p>1x16GB DDR4-2666 Registered Memory, 24 DIMM slots (Max 3 TB), 8 SFF hot plug drive cage, 4PCIe 3.0 expansion slots, HPE Smart Array P408i-aSR Gen10/2GB Cache (RAID 0,1,10,5,6,50,6,60,10ADM), 2xHPE 800w Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit, Embedded 4-Port 1GbE PPE Ethernet 1GB 4 port 369i Adapter, VGA Port, iLO Management port, 4USB 3.0 ports and 2USB 2.0 ports, 1serial port, HPE iLo5 ASIC 2xHPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in). With necessary software to interconnect and operate 100 computers through the server.</p> <p>Warranty: 3 years.</p>
3	NetSim Academic: Latest Version	<p>Comprises of various components such as Internetworks; Legacy and Cellular Networks; Advanced Routing; Mobile Adhoc Networks; Software Defined Networks; Wireless Sensor Networks and Personal Area Networks : WSN and Zigbee; IoT; Cognitive Radio Networks : IEEE 802.22 WRAN; LTE (LTE, LTE-Adv, LTE D2D, LTE Femto Cell); Vehicular Adhoc Networks.</p> <p>Warranty: 2 years.</p>
4	NetSim R&D: Latest Version	<p><i>Inter Networks:</i> TCP, UDP, IP, Routing, Queuing, Ethernet, ARP, WLAN, RF Propagation Protocol C Source Code Library</p> <p><i>Common Modules:</i> Applications (Traffic Generator) Virtual Network Stack, Simulation Kernel Command Line Interface, Metrics Engine Packet Trace and Event Trace. Packet Animator, Command Line Interpreter Wireshark and MATLAB interfacing</p> <p><i>Legacy & cellular Networks:</i> Aloha - Pure & Slotted, CSMA/CD, CDMA, GSM Protocol C Source Code Library</p> <p><i>Advanced Switching & Routing:</i> IGMP, PIM, VLAN, ACL, NAT, Layer 3 Switch Protocol C Source Code Library</p> <p><i>Mobile Adhoc Networks (MANET's):</i> MANET - DSR, AODV, OLSR, ZRP Multiple MANETs interfacing with Bridge Node Protocol C Source Code Library</p> <p><i>Software Defined Networks (SDN):</i> Open flow v1.3 Compatible Protocol C Source Code Library</p> <p><i>Internet of Things (IOT):</i> Wireless Sensor Network. Zigbee, Internet of Things (IOT). RPL Protocol Protocol C Source Code Library</p> <p><i>Cognitive Radio:</i> Networks IEEE 802.22 WRAN Protocol C Source Code Library</p> <p><i>Long Term Evolution (LTE) Networks:</i> LTE (4G), LTE Advanced (4.5G) LTE Device to Device, LTE Femto Cell Protocol C Source Code Library</p> <p><i>Vehicular Ad-hoc NETWORKS (VANETS) :</i> IEEE 1609 DSRC, LTE Based VANETs, External Interfacing with SUMO Protocol C Source Code Library.</p> <p>Warranty: 2 years.</p>
5	ANSYS Academic Research HF Package: Latest Version	<p>Ansoft Designer (RF&SI), HFSS, SLwave, Q3D Extracter, Optimetrics, ECAD Translators (Ansoft Links), MCAD Translators, Parallel Multiprocessing.</p> <p>Warranty: 2 years.</p>

III. Terms & Conditions of Contract:

1. **Place to Supply the Equipments:**

The supply shall be made at Pondicherry University premises.

2. **Payment terms:**

Normally 90% Payment will be released upon successful Installation and Testing of the equipment. However, 100% Payment will be considered, if the supplier provides Bank Guarantee towards performance security for the 10% of the total cost to cover the warranty period.

3. **Settlement of Disputes:**

In case of any dispute in respect of the Tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

4. **Liquidated damages:**

Timely supply of the ordered items, installation, commissioning (wherever applicable) and training, etc. is the essence of contract. In case of failure to supply within the time specified in the Purchase Order, a penalty/ LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5 % in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.

5. **Time limit for the supply:**

Delivery is to be made within **15 Days** from the date of receipt of the Supply Order.

IV. General Instructions to the Tenderer:

1. **Purchase of Tender Document:**

The Tender document can be downloaded from the University website www.pondiuni.edu.in and the tender document fee (each item) and Earnest Money Deposit (EMD) should be remitted in the form of separate Demand Drafts drawn from any one of the Nationalised Banks, in favour of **The Finance Officer, Pondicherry University, payable at Pondicherry.**

2. **Submission of Tender Document:**

- a) The tender should be submitted in the sealed cover, superscribing **Tender for 'Hardware /Software Items' for Pondicherry University.** The name and address of the tenderer should also be mentioned clearly at the "From Address" space.
- b) Tenders are to be sent by Registered post/ courier service addressed to the **The Head Department of Electronics Engineering, School of Engineering and Technology, Pondicherry University, Puducherry - 14.**

3. **Tender document fee and EMD rates**

- a) Tender Document Fee is Rs.500/- (each item) and EMD amount paid at 2.5% of the quoted rates.
- b) The Small Scale Units/Industries are exempted from payment of EMD, provided the proof of Exemption Certificate issued by the Competent Authority is to be enclosed.

4. **Last date and item of receipt of the Tenders: 19/08/2019 at 3.00 p.m.**

5. **Date & Time of opening of Tender: 19/08/2019 at 3.30 p.m.**

6. **Quoting the Core Price & Tax, Duties, Discount etc.,**

The taxes/duties/discounts, if applicable, are to be explicitly and separately shown in the tender and under no circumstances these components shall be added to the basic price and shown as single price. All the components of taxes, if applicable, should be shown explicitly and separately.

7. **Electrical Power:**

The equipment must operate at 230V/50 Hz single phase and / or equivalent three phase electrical power.

8. **The validity of the Quotation:**

The validity of the quotation should be at least for SIX MONTHS from the closing date.

9. **Late Bids:**
The offers will not be considered if received after the tender closing date and time.
10. **Invalid quotes:**
The offers through telex / tele-fax/ e-mail will not be accepted by the University under any circumstances.
11. **In case of Postal Loss:**
The University shall not be responsible for any delay/ loss or non-receipt of the tender by post/courier service.
12. **No unsolicited correspondence:**
No unsolicited correspondence shall be entertained after the submission of the tender.
13. **Purchase Agreement:**
If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.
14. **Addition in terms & conditions:**
Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.
15. **Non-transferable:**
Tender is not transferable
16. **Power to reject the offer:**
 - a) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, any deviation between tender specification and tenderer specification may lead to rejection of the tender.
 - b) Pondicherry University reserves the right 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.

V. Other Terms & Conditions:

1. The supply should be strictly as per the specifications. In case of any deviation, the University has the right to reject the goods. No claim of any nature will be entertained in this regard.
2. Company / Firms registration Certificate under Companies Act, PAN, TIN No., GST Registration Certificate etc., should be provided.
3. Quoting merely the lowest price does not confer any right to any tenderer for the award of Supply Order. The University Purchase Committee reserves the right to select any tender under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support and training, offer of additional/special features, compatibility with the existing systems, etc.
4. **The rates should be quoted for a single unit.** The rate of Delivery and Training Charges, Tax etc., shall be shown separately. The prices quoted shall remain the same for next one year.
5. If any item found defective during warranty period, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
6. The Tender should be quoted in English only and Operating Manual, Technical manual, Pamphlets should be provided in English only.
7. Filled in signed check list is to be compulsorily enclosed along with the technical bid.




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