



P. G. Department of Computer Application
North Orissa University

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TENDER NOTICE

Sealed quotations are invited from reputed registered authorized supplier/distributor having valid GSTIN and up-to-date GST clearance for supply of **Linux Server** as per following specification under DST, Govt. of Odisha Grant. Quotations must reach the undersigned on or before **03.00 PM of 04.08.2020** and will be opened at **11.00 p.m. of 06.08.2020** in the office of the H.O.D, P.G. Dept. of Computer Application, North Orissa University. Interested parties may be present at the time of opening of the quotations. The detail specifications can be availed from the undersigned or from website <http://www.nou.nic.in/>. The authority reserves the right to reject any or all quotations without assigning any reason thereof.

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Sd/-
Dr. Sujata Dash
Principal Investigator

Project: "Plagiarism Detection Software for Odia Documents using Fuzzy Neural Network"

Linux Server Specification

Sl.	Item	Description of Requirement
1	Make	Dell/HP
2	Chassis	2U Rack Mountable
3	CPU	1 x Intel Silver 4210R Processor
4	Memory	12 DIMM slots. DDR4 2933 MHz. 2 x 32 GB RAM and 2 x 16 GB RAM
5	Memory Protection	Advanced ECC with multi-bit error protection, Online spare, mirrored memory and fast fault tolerance
6	HDD Bays	Upto 8 HDD Bays The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid dataloss/downtime due to wrong drive removal.
7	Hard disk drive	3 x 960 GB SAS SSD
8	Controller	Hard Controller Should SUPPORT RAID 0,1 and 5
9	Networking features	Server should support below networking cards: 1. 1Gb 4-port network adaptors 2. 10Gb 2-port Ethernet adaptor 3. 10GBaseT 4-port Ethernet adaptor 4. 4x25Gb Ethernet adaptor 5. 10/25Gb 2-port Ethernet adaptor 6. 100Gb Ethernet Infiniband Options: 40Gb dual port or 100Gb Single or Dual port Adapter 100Gb Single port Omni path adaptor Also 1G x Quad Port Should be Provided from Day 1



10	Interfaces	Serial - 1 VGA Port - 1 , Micro SD Slot - 1 Micro SD USB 3.0 support With Up to 6 total: 2 front , 2 rear, 2 internal (secure)
11	Bus Slots	4 PCI-Express 3.0 slots, atleast two x16 PCIe slots
12	Power Supply	Should support hot plug redundant low halogen power supplies minimum 2 x 500 Watt
13	DVD	9.5mm SATA DVD-RW Optical Drive
14	Fans	Redundant hot-plug system fans
15	Secure encryption	System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.
16	Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
17	Firmware security	1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable 2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware
18	Monitor	19.5" Led Monitor
19	Keyboard & Mouse	Standard Usb Keyboard with Moue
20	OS	Ubuntu (Free)

Terms & Conditions

1. Financial Bid and Technical Bid to be submitted separately. Financial bid will be considered only after fulfilling the technical Bid.
2. Items are to be delivered and installation to be done at P.G. Dept. of Computer Application, North Orissa University, Baripada, Odisha.
3. Training must be provided to the user at the installation place only.
4. Document related to license, warranty, service and maintenance must be handed over to the Principal Investigator.
5. Any driver software of equipments, installation guide and user manual are to be delivered to the Principal Investigator.
6. Post installation maintenance, upgradation of the software version is to be mentioned clearly with time frame.
7. In any matter, the University's decision shall be final and shall be accepted by the Bidder without any objection or resistance.