



OSMANIA UNIVERSITY
HYDERABAD-500 007

No. 070/DIS/OURC/2017

Dated: 09-01-2017

SHORT NOTIFICATION FOR RATE CONTRACT

Quotations are invited from authorized distributors/dealers/resellers under OU Rate Contract System for supply, installation and commissioning of Desktop Computers, Laptops, Workstations, Servers and other computer peripherals of various reputed brands, viz., HP, Dell, Lenovo, HCL, Acer, etc. For further details, visit our website “www.osmania.ac.in”.

Sd/-
REGISTRAR



OSMANIA UNIVERSITY
HYDERABAD-500 007

No. 070/DIS/OURC/2017

Dated: 09-01-2017

RATE CONTRACT SHORT NOTIFICATION

Quotations are invited from authorized distributors/dealers/resellers under OU Rate Contract System for supply, installation and commissioning of Desktop Computers, Laptops, Workstations, Servers and other computer peripherals of various reputed brands, viz., HP, Dell, Lenovo, Wipro, Acer, etc. The application forms can be obtained from the Office of the Director (Infrastructure), or downloaded from website, on payment of prescribed fee of Rs. 5,000/- (Rupees Five Thousand only) through a Demand Draft drawn in favour of the Registrar, Osmania University, from any nationalized bank payable at Hyderabad from 10-01-2017 to 24-01-2017 during office hours between 11.00 AM and 3.00 P.M. The filled in application forms along with the prices of the Desktop Computer, Laptops, Workstations, Servers and other computer peripherals duly sealed and superscripted on the cover as "OU Rate Contract" should reach the office of the undersigned on or before 24-01-2017 by 4.00 P.M., failing which the applications will be summarily rejected. The Committee will open the sealed covers containing the Technical and Commercial offers on the same day at 4.30 P.M. For further details, visit our website "www.osmania.ac.in".

Sd/-
REGISTRAR



OSMANIA UNIVERSITY, HYDERABAD-500 007

No. 070/DIS/OURC/2017

Dated: 09-01-2017

Sub: OU Rate Contract Notification - Desktop Computers, Laptop Workstations, Servers and other computer peripherals of various brands.

Dear Sirs,

You are requested to submit your Competitive prices for OU Rate Contract in Two sealed covers (Technical Form and Commercial form) for the items as stipulated by the University.

- | | | |
|---|---|--|
| 1. OU RC Quotation No. | : | No. 070/DIS/OURC/2017, Dated: 09-01 -2017 |
| 2. Sale Period and time
(Sale of quotation forms) | : | From 10-01-2017 to 24-01-2017
between 11.00 AM and 3.00 P.M. |
| 3. Closing date & time
(For receiving duly filled in quotations) | : | 24-01-2017 up to 4.00 P.M. |
| 4. Submission of quotation | : | Sealed quotations under the OU Rate Contract System must be submitted superscripting thereon bidder's name, Quotation Number and names of the item at the following address or reach by post on or before the bid closing time and date, failing which the application will be rejected. |

ADDRESS:

THE REGISTRAR,
OSMANIA UNIVERSITY
HYDERABAD - 500007

Technical conditions:

5. Only OEMs (original equipment manufacturers) or exclusive authorized dealers/distributors/resellers are permitted to quote against the requirements. They must submit a certificate obtained from OEMs to the effect that they are appointed as authorized dealers/distributors/resellers.
6. The firms should have the requisite domain expertise with regard to supply, installation and after sales-service of the items.

7. The firm should have executed at least an annual turnover of ONE CRORE during three financial years from 2012-2013 to 2015-2016 in Government/Public sector organizations/Research Organizations/National Laboratories/Educations Institutions/Universities. (Documentary proof is to be attached). In details i.e Name & Address, Telephone, Fax, E-mail.
8. The firm should have been in existence for at least last three years i.e., w.e.f. 01.01.2013. (Documentary proof is to be attached). The firm should have a strong installed base in Hyderabad and within India.
9. The specifications of the desired items in Rate Contract are subject to change without notice.
10. General Conditions: Bid shall be submitted in two parts viz., Technical & Commercial.
11. The Technical Rate Contract form shall contain documents such as:
 - Documents of Technical Qualifications and Technical Competence of the tenderer supported by the certificates
 - Copies of purchase orders issued by organizations indicating the column of transaction
 - Proof of annual turnover
 - Copy of Registration Certificate
 - Copy of TSGST/CST/APGST/CST Registration Certificate
 - PAN allotted by Income Tax Department
 - Detailed profile of the firm, domain expertise and sage details and other supporting Literature substantiating their claim.
12. The Commercial Rate Contract Form shall contain only price details (including payment Terms and conditions).

IMPORTANT NOTE:

Technical Rate Contract and Commercial Rate Contract shall be placed in two separate sealed covers. After acceptance of Technical Form, then only the Commercial Form shall be opened. If any firm places Technical Form and Commercial Form in one cover or in a single folder or submits the Forms in any fashion other than the one prescribed by the University, they will be summarily rejected. Rate Contract selection will be based on technical evaluation of the product and price.

13. The firm shall provide information about the availability of the firms' onsite engineer during the three-year warranty period.
14. The firm may also quote the AMC rates that would be applicable after the completion of the warranty period of three-years for Personal computers and other peripherals.
15. The firm shall enter into an agreement if the value of the order exceeds Rs.5.00 Lakhs as per the University rules in force.
16. After evaluating the technical bids and on acceptance, then only commercial bids will be opened.
17. The offers must be in English. The rates should be indicated both in figures and words and against item.

18. The taxes/duties/discounts if any are to be distinctly and separately shown in the commercial form and under no circumstances, these components shall be added to the basic price and shown as single price. The component of taxes is to be shown in amounts distinctly and under no circumstances, these are included/clubbed with Basic Price.
19. The firm should quote prices for bulk quantities of Computers with basic configurations as per the specifications. The Prices should be clearly, in Indian Rupees. The rates shall be constant throughout the entire period of the contract, i.e. until the supply of items mentioned in Purchase Order.
20. Firms/Agencies having DGS&D rate contract for supply of the items may provide Xerox copy to the current rate contract duly attested.
21. The Offers must be valid for a minimum period of 90 days from bid finalization date. The offers once submitted cannot be modified under any circumstances.
22. Offers received after the bid closing date/time shall not be considered.
 - a. Late and delayed submission of the Technical and Commercial bids shall not be accepted.
 - b. Telex/Tele fax/E-Mail firms shall not be accepted and the University takes no responsibility for delay/loss or non-receipt of forms by Post/Courier.
23. No unsolicited correspondence shall be entertained.]
24. The Osmania University has been granted the benefit of exemption from the payment of Central Excise Duty and Customs Duty by the Department of Scientific & Industrial research (DSIR):
 - a. Scientific and technical instruments, apparatus, equipment, including Computers.
 - b. Accessories and spare parts of goods specified in (a) above and Consumables.
 - c. Computer software, compact disk, CD ROM, Recordable Magnetic Tapes, Micro Films and Micro Chips, etc.,
 - d. Prototypes.
25. No EMD is required in Rate Contract System.
26. Payment Terms: 100% payment will be made after satisfactory installation, testing and commissioning.
27. Period of completion of Job: The supply should be completed within two weeks from the date of Purchase Order.
28. Liquidated Damages:

Timely completion of the job is the essence of the Contract. In case of failure to supply within the time specified in the Purchase Order, penalty @ 0.5% of the total value per week or part thereof shall be levied up to two weeks from the date stipulated in the purchase order, after this period the purchase order will stand cancelled and the firm will be forbidden to participate in further bids issued by Osmania University. Moreover, the University reserves the right to disqualify the firms that do not honor their commitments with regard to delivery of the equipments against the orders placed by the University.
29. The firms those quoting for personal computers shall only forward copies of Annual Reports, auditors report, etc., for the last 3 Financial Years (2012-2013 to 2015-2016) in order to satisfy the financial capabilities.

30. The firms should obtain the requisite approvals for imports, etc. if any.

31. Acceptance/Rejection of offer:

- a) Osmania University reserves the right to accept/reject any offer in full or in part or accept any offer other than the lowest without assigning any reasons thereof.
 - b) Osmania University reserves the right to select more than one brand in its final list for the benefit of Buyers choice.
32. Any offer containing incorrect statement and incomplete information will be summarily rejected.
33. The prices quoted shall include three years onsite warranty.

34. Arbitration:

All disputes or differences whatsoever arising between the parties relating to the contract shall be settled by arbitration in accordance with the rules of arbitration of Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the parties. The venue of arbitration shall be Hyderabad. The Vice-Chancellor, Osmania University, will make the appointment of Arbitrator on behalf of the University.

Sd/-
REGISTRAR



OSMANIA UNIVERSITY, HYDERABAD-500 007.

TECHNICAL FORM

No. 070/DIS/OURC/2017

Dated: 09-01-2017

1. Name of the Organization :
2. Office Address :
3. Address for Correspondence :
4. Name of the contact Person :
5. Telephone Nos. :

The following information has to be filled along with the evidence
(Copies has to be attached)

6. Registration Certificate :
7. TSGST/CST/APGST/CST/ Registration No. :
8. Income Tax Account No. :
9. IT Clearance Certificate :
10. Sales Tax Clearance Certificate :
11. Technical Competence :
12. Annual Turnover :
13. Detailed Profile Of The Firm :
14. Recent Purchase Orders :

I here by declare that the above particulars mentioned are true to the best my knowledge.

AUTHORISED SIGNATORY
AND OFFICE SEAL

Note: Wherever required, information can be furnished in a separate sheet duly attested by authorized and competent authority.

ANNEXURE-1
TABS -Specifications of Item 101

Item No.101	Specifications For – TAB-I
ITEM CODE	Make & Model
CPU	intel® Atom® x5-Z8300 with Intel HD Graphics (1.44 GHz, up to 1.84 GHz using Intel Burst Technology, 2 MB cache, 4 cores) or Higher
Motherboard/ Chipset	Chipset is integrated with processor or Higher
Cache	2 MB Cache or Higher
Memory	4 GB RAM or Higher
HDD	64 GB Internal + Upto 2TB Expandable or Higher
Audio Controller	B&O PLAY with dual speakers, dual microphone array (noise canceling and beam forming) with Conexant Audio or Higher
Webcam	720p HD fixed focus front web camera or Higher
Display	10.1" diagonal WXGA anti-glare WLED eDP ultra-slim with capacitive multi-touch screen (1280 x 800)
Keyboard	full size island-style thin cover keyboard with image sensor Clickpad (multi-touch gestures enabled)
Wireless Connectivity	Intel® Dual Band Wireless-AC 3165 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.0 Combo or Higher
Battery	33 WHr Li-ion polymer or Higher
Expansion Ports	1 USB 3.0 (tablet); 1 USB-C™ 2.0 (tablet); 1 micro HDMI (tablet); 1 headphone/microphone combo (tablet); 1 pogo pin docking connector to keyboard base; 1 pogo pin docking connector to tablet or Higher
Expansion slots	1 microSD (Expandable up to 2 TB)
Power supply	15 W AC charging adapter with USB Type-C™ cable or Higher
Operating system	Windows 10 Professional
Carry case	With carry case
Warranty	1 Year
Price in (Rs.)	
Deviation if any	

ANNEXURE-2
Laptops-Specifications of Item 102 to 104

Item No.102	Specifications for Laptop-I
ITEM CODE	Laptop Make & Model
CPU	Intel Core i3-7100U 7th Generation with Intel HD Graphics 620 (2.4 GHz, 3 MB cache, 2 core); Intel® Pentium 4415U with Intel® HD Graphics or Higher
Motherboard/ Chipset	Intel chipset integrated with processor
Cache	3 MB Intel Smart Cache or Higher
Memory	4 GB DDR 4 RAM expandable to 16 GB or Higher
HDD	1 TB SATA HDD or Higher
Graphic Card	Integrated Graphics
Audio Controller	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Webcam	720p HD webcam or Higher
Display	(14") diagonal HD anti-glare LED-backlit (1366 x 768); 35.56 cm
Keyboard	spill-resistant keyboard with backlit
Network Interface card	Integrated 10/100/1000 Ethernet
Wireless Connectivity	Integrated Wireless Intel 802.11a/b/g/n , Bluetooth
Battery	3-cell, Long Life 48 WHr Li-ion or Higher
Expansion Ports	2 USB 3.0;1 USB 2.0 (power port);1 HDMI;1 RJ-45;1 VGA;1 headphone/microphone combo; 1 AC power
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.) or Higher
Power supply	45 W Smart AC adapte
Operating system	DOS/ Linux
Carry case	With carry case
Warranty	3 Years
Price in (Rs.)	
Deviation if any	

Sd/-
DIRECTOR (IS)

Sd/-
REGISTRAR

Item No.103	Specifications for Laptop-II
ITEM CODE	Laptop Make & Model
CPU	Intel Core i5-7200U 7th Generation with Intel HD Graphics 620 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 core) or Higher
Motherboard/ Chipset	Intel chipset integrated with processor
Cache	3 MB Intel Smart Cache or Higher
Memory	4 GB DDR 4 RAM expandable to 16 GB or Higher
HDD	1 TB SATA HDD or Higher
Graphic Card	Integrated Graphics
Audio Controller	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Webcam	720p HD webcam or Higher
Display	(14") diagonal HD anti-glare LED-backlit (1366 x 768); 35.56 cm
Keyboard	spill-resistant keyboard with backlit
Network Interface card	Integrated 10/100/1000 Ethernet
Wireless Connectivity	Integrated Wireless Intel 802.11a/b/g/n , Bluetooth
Battery	3-cell, Long Life 48 WHr Li-ion or Higher
Expansion Ports	2 USB 3.0;1 USB 2.0 (power port);1 HDMI;1 RJ-45;1 VGA;1 headphone/microphone combo; 1 AC power
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.) or Higher
Power supply	45 W Smart AC adapte
Operating system	DOS/ Linux
Carry case	With carry case
Warranty	3 Years
Price in (Rs.)	
Deviation if any	

Item No.104	Specifications for Laptop-III
ITEM CODE	Laptop Make & Model
CPU	Intel Core i7-7500U 7th Generation with Intel HD Graphics 620 (2.7 GHz, up to 3.5 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 core) or Higher
Motherboard/ Chipset	Intel chipset integrated with processor
Cache	4 MB Intel Smart Cache or Higher
Memory	4 GB DDR 4 RAM expandable to 16 GB or Higher
HDD	1 TB SATA HDD or Higher
Graphic Card	Integrated Graphics
Audio Controller	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Webcam	720p HD webcam or Higher
Display	(14") diagonal HD anti-glare LED-backlit (1366 x 768); 35.56 cm
Keyboard	spill-resistant keyboard with backlit
Network Interface card	Integrated 10/100/1000 Ethernet
Wireless Connectivity	Integrated Wireless Intel 802.11a/b/g/n , Bluetooth
Battery	3-cell, Long Life 48 WHr Li-ion or Higher
Expansion Ports	2 USB 3.0;1 USB 2.0 (power port);1 HDMI;1 RJ-45;1 VGA;1 headphone/microphone combo; 1 AC power
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.) or Higher
Power supply	45 W Smart AC adapte
Operating system	DOS/ Linux
Carry case	With carry case
Warranty	3 Years
Price in (Rs.)	
Deviation if any	

Sd/
DIRECTOR (IS)

Sd/
REGISTRAR

ANNEXURE-3
Business Desktops-Specifications of Item 105 to 107

Item No.105	Specifications for Desktop-I
ITEM CODE	Desktop Make & Model
CPU	Intel Core 6th Generation i3-6100 with Intel® HD Graphics 530 (3.7 GHz, 3 MB cache, 2 cores) or Higher
Motherboard/ Chipset	Intel® H110 chipset or Higher
Cache	3 MB Smart cache 2cores or Higher
Memory	4GB DDR4-2133 UDIMM (Transfer rates up to 2133 MT/s) Memory upgradeable up to 16 GB or Higher
HDD	1 TB 7200 RPM SATA 6.0Gb/s 3.5" HDD or Higher
CD ROM	Slim SuperMulti DVD Writer Drive
Graphic Card	Intel Integrated HD Graphics
Audio	HD audio with Realtek ALC221
Monitor	18.5-inch LED Backlit Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL)
Speakers	Integrated Speakers
Mouse	USB Optical Mouse
Drive Bays	(2) 3.5" internal storage drive bays, 5.25" External Drive Optical Disc Drive Bay, or Higher
I/O Ports	Rear I/O Ports:-(2) USB 3.0 ports,(4) USB 2.0 ports,(1) RJ45 network connection,(1) Audio Line out,(1) Audio Line in,(1) VGA,(1) DVI-D Front: 2 USB 2.0; 1 microphone/headphone combo jack
Expansion slots	One (1) PCIe x 16 (3.0) ; One (1) PCIe x 1 (2.0) or Higher
Cabinet	Micro tower
Power supply	180 W standard efficiency, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	FOR OEM: ISO 9001 : 2000, Windows, Linux, US Energy star, EPEAT , FCC,UL, ROHS
Security	TPM 1.2 Security Chip, USB enable/disable, Power-on password, Administrator Password, Setup password, and chassis lock slot support
Warranty	3 years onsite warranty
Price in (Rs.)	
Deviation if any	

Item No.106	Specifications for Desktop-II
ITEM CODE	Desktop Make & Model
CPU	Intel Core 6th Generation i5-6500 with Intel® HD Graphics 530 (3.2 GHz, 6 MB cache, 4 cores) or Higher
Motherboard/ Chipset	Intel® H110 chipset or Higher
Cache	6 MB Smart cache 4cores or Higher
Memory	4GB DDR4-2133 UDIMM (Transfer rates up to 2133 MT/s) Memory upgradeable up to 16 GB or Higher
HDD	1 TB 7200 RPM SATA 6.0Gb/s 3.5" HDD or Higher
CD ROM	Slim SuperMulti DVD Writer Drive
Graphic Card	Intel Integrated HD Graphics
Audio	HD audio with Realtek ALC221
Monitor	18.5-inch LED Backlit Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL)
Speakers	Integrated Speakers
Mouse	USB Optical Mouse
Drive Bays	(2) 3.5" internal storage drive bays, 5.25" External Drive Optical Disc Drive Bay, or Higher
I/O Ports	Rear I/O Ports:-(2) USB 3.0 ports,(4) USB 2.0 ports,(1) RJ45 network connection,(1) Audio Line out,(1) Audio Line in,(1) VGA,(1) DVI-D Front: 2 USB 2.0; 1 microphone/headphone combo jack
Expansion slots	One (1) PCIe x 16 (3.0) ; One (1) PCIe x 1 (2.0) or Higher
Cabinet	Micro tower
Power supply	180 W standard efficiency, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	FOR OEM: ISO 9001 : 2000, Windows, Linux, US Energy star, EPEAT , FCC,UL, ROHS
Security	TPM 1.2 Security Chip, USB enable/disable, Power-on password, Administrator Password, Setup password, and chassis lock slot support
Warranty	3 years onsite warranty
Price in (Rs.)	
Deviation if any	

Sd/-
DIRECTOR (IS)

Sd/-
REGISTRAR

Item No.107	Specifications for Desktop-III
ITEM CODE	Desktop Make & Model
CPU	Intel Core 6th Generation i7-6700 with Intel® HD Graphics 530 (3.4 GHz, 8 MB cache, 4 cores) or Higher
Motherboard/ Chipset	Intel® Q170 chipset or Higher
Cache	8 MB Smart cache 4cores or Higher
Memory	4 GB DDR4-2133 UDIMM (Transfer rates up to 2133 MT/s) Memory upgradeable up to 32 GB or Higher
HDD	1 TB 7200 RPM SATA 6.0Gb/s 3.5" HDD or Higher
CD ROM	Slim SuperMulti DVD Writer Drive
Graphic Card	2 GB NVIDIA GRAPHICS CARD
Audio	HD audio with Realtek ALC221
Monitor	18.5-inch LED Backlit Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL)
Speakers	Integrated Speakers
Mouse	USB Optical Mouse
Drive Bays	(2) 3.5" internal storage drive bays, 5.25" External Drive Optical Disc Drive Bay, or Higher
I/O Ports	Rear I/O Ports:-(2) USB 3.0 ports,(4) USB 2.0 ports,(1) RJ45 network connection,(1) Audio Line out,(1) Audio Line in,(1) VGA,(1) DVI-D Front: 2 USB 2.0; 1 microphone/headphone combo jack
Expansion slots	One (1) PCIe x 16 (3.0) ; One (1) PCIe x 1 (2.0) or Higher
Cabinet	Micro tower
Power supply	180 W standard efficiency, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	FOR OEM: ISO 9001 : 2000, Windows, Linux, US Energy star, EPEAT , FCC,UL, ROHS
Security	TPM 1.2 Security Chip, USB enable/disable, Power-on password, Administrator Password, Setup password, and chassis lock slot support
Warranty	3 years onsite warranty
Price in (Rs.)	
Deviation if any	

ANNEXURE-4
Workstations-Specifications of Item 108

Item No.108	Specifications for Workstation-I
ITEM CODE	Workstation Make & Model
CPU	Intel® Xeon® processor E3-1225v5, Quad-Core, 8 MB cache, 3.3 GHz, up to 3.6 GHz with Intel Turbo Boost Technology or Higher
Motherboard/ Chipset	Intel® C236 chipset or Higher
Cache	8 MB cache Quad-Core
Memory	16GB (2x8GB) DDR4-2133 ECC Unbuffered RAM 1-CPU or higher or equivalent Memory upgradeable up to 64GB
HDD	1TB SATA 7200 rpm 6Gb/s 3.5" HDD
CD ROM	16X DVD+/-RW SuperMulti SATA Drive
Graphic Card	4GB NVIDIA Quadro K1200 1st GFX same OEM Make or Higher
Audio Controller	Integrated Realtek HD ALC221 Audio
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL) or Higher
Speakers	Integrated
Mouse	USB MOUSE
Drive Bays	2 internal 3.5" Drive Bays,1 external 9.5" Drive Bay or Higher
I/O Ports	Front: 2 USB 3.0; 1 USB 2.0; 1 USB 2.0 charging port; 1 headphone; 1 microphone Back: 6 USB 3.0; 1 serial; 2 PS/2; 1 RJ-45; 1 audio line in; 1 audio line out. Internal: 2 USB 2.0 ; 1 USB 3.0 and 2 USB 2.0 internal ports available as 2 separate 2x6(3.0x1, 2.0x1) and 1x6(2.0x1) headers supporting one Internal USB 2.0 Port Kit and one USB 3.0 Media Card Reader or Higher
Expansion slots	1 PCIe Gen3 x16; 1 PCIe Gen3 x4 (x16 connector); 1 PCIe Gen3 x1 (x4 connector); 1 PCIe Gen3 x1 or Higher
DiskControllers	On board
Power supply	280 W 85% efficient, wide-ranging, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	US Energy star certification , EPEAT Gold
Warranty	3 years
Price in (Rs.)	
Deviation if any	

Sd/-
DIRECTOR (IS)

Sd/-
REGISTRAR

ANNEXURE-5
Servers-Specifications of Item 109 to 113

Item No.109	Specifications for Server-I
ITEM CODE	TOWER SERVER Make & Model
CPU 1	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
CPU 2	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
Motherboard/ Chipset	Intel® C610 Series Chipset
Cache	20MB (1 x 20MB) Cache
Memory	32 GB DDR4 RAM scalable to at least upto 768GB, using DDR4 Load Reduced DIMM (LRDIMM) memory modules
HDD	4x 600GB 6 G SAS 10K rpm SFF (2.5-inch) Enterprise Hard Drive (The server should be supplied with 8 drive bays and should be expandable upto 16 Drive bays with optional drive cage. 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.) or equivalent
CD ROM	DVD Writer
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Optical Mouse
Network Interface card	Server should support networking cards with below features: 1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.
Drive Bays	The server should be supplied with 8 drive bays and should be expandable upto 16 Drive bays with optional drive cage. 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 or equivalent.
I/O Ports	Serial – 1 ,Micro SD slot – 1 ,USB 2.0 Ports 5 (2 front, 2 rear, 1 internal),USB 3.0 3 (2 rear, 1 internal)
Expansion slots	Nine PCI-Express 3.0 slots, atleast three x16 slots
Disk Controllers	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 2GB battery backed write cache (onboard or in a PCI Express slot)
Cabinet	Tower (5U)
Power supply	Redundant platinum Hot Pluggable Power Supplies
OS Support	Microsoft Windows Server,Canonical Ubuntu,Red Hat Enterprise Linux (RHEL),SUSE Linux Enterprise Server (SLES),VMware,Citrix XenServer
Industry standard compliance	ACPI 2.0b Compliant,PCIe 3.0 Compliant,PXE Support WOL Support,Novell Certified,IPMI 2.0, SMASH CLP, DCMI 1.0 compliant, Microsoft® Logo certifications,USB 3.0 Support SMBIOS 2.7.1,ASHRAE A3/A4,Energy Star or equivalent
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.
Price in (Rs)	
Deviation if any	

Item No.110	Specifications for Server-II
ITEM CODE	RACK SERVER Entry Level Make & Model
Processor	Intel Xeon E3-1220v5 (3.0GHz/4-core/8MB/80W) Processor or Higher
CPU L3 CACHE Memory	8 MB (1 x 8 MB) L3 cache or Higher
Motherboard	Intel® C232 Series Chipset or Higher
Memory	8GB (1x8GB UDIMMs, 2133 MHz) or Higher
HDD Bays	2 LFF HDD Bays
Hard disk drive	2 x 1TB 6G SATA 7.2K rpm SFF (2.5-inch) Hard Drive
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Controller	Integrated RAID controller supporting RAID 0,1 & 5
Networking features	Embedded 1Gb 2-port 332i network Adapter
Interfaces	Video – 1,4 USB ports (standard)
Bus Slots	Minimum of 2 No's of PCIe 3.0 slots
Power Supply	Minimum 280W Power Supply
Graphics	Integrated video standard supporting 1280 x 1024 (32 bpp),1920 x 1200 (16 bpp)
Industry Standard Compliance	UEFI (Unified Extensible Firmware Interface Forum),PCIe 3.0 Compliant, PXE Support,WOL Support,Microsoft® Logo certifications, USB 3.0 Support,ASHRAE A3 or equivalent
Security	Power-on password,Serial interface control,Administrator's password, TPM 1.2,TPM 2.0,APCI 2.0b,UEFI
Operating Systems and Virtualization Software Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

Sd/-
DIRECTOR (IS)

Sd/-
REGISTRAR

Item No.111	Specifications for Server-III
ITEM CODE	RACK SERVER Mid Range Make & Model
CPU 1	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
CPU 2	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
CPU L3 CACHE Memory	20 MB (1 x 20 MB) L3 cache
Motherboard	Intel® C610 Series Chipset
Memory	64 GB DDR4 RAM scalable to at least upto1.5 TB , using DDR4 Load Reduced DIMM (LRDIMM) memory modules with 24 DIMM slots or equivalent
Memory Protection	Advanced ECC with multi-bit error protection and memory online spare mode
HDD Bays	Up to 8 SFF, HDD/SSD expandable upto 16 drives with optional drive cage, The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal or equivalent
Optical drive Bay	Optical drive DVD-RW
Hard disk drive	5 x 600 GB 6 G SAS 10K rpm SFF (2.5-inch) Hot pluggable Hard Drive or Higher
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Controller	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/ with 2GB battery backed write cache (onboard or in a PCI Express slot) or equivalent
Networking features	Server should support networking cards with below features:1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.
Interfaces	Serial – 1 ,Micro SD slot – 1 ,USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure)
Bus Slots	Minimum of Three full length full height PCIe 3.0 Slots X16 and Two full length full height PCIe 3.0 Slots X 8 slots which should support two double wide GPU cards
Power Supply	Minimum 94% Hot pluggable Redundant Power Supplies which should support two no's of compute cards
Fans	Redundant hot-plug system fans
Graphics	Integrated video with 16MB of Video RAM
Industry Standard Compliance	ACPI 2.0b Compliant,PCIe 3.0 Compliant,PXE Support,WOL Support ,Microsoft® Logo certifications,USB 3.0 AND 2.0 Support,Energy Star,ASHRAE A3/A4 and UEFI or equivalent
Embedded system management	Should support monitoring ongoing management, service alerting, reporting and remote management with embedded Gigabit out of band management port Server should support configuring and booting securely with industry standard Unified Extensible Firmware. System management should support provisioning servers by discovering and deploying 1 to few servers with Intelligent Provisioning ,System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support
Security	Power-on password ,Serial interface control Administrator's password ,UEFI ,Should support upto 12 customizable user accounts on out of band management port and SSL encryption ,Should also supports directory services integration
Operating Systems and Virtualization Software Support	Microsoft Windows Server ,Red Hat Enterprise Linux (RHEL) ,SUSE Linux Enterprise Server (SLES) ,Oracle Solaris ,VMware ,Citrix Xen Server
Chassis	2 U Rack Mountable
Provisioning	Essential tools, drivers, agents to setup, deploy and maintain the server should be embedded inside the server. There should be a built -in Update manager that can update firmware of system by connecting online.
Remote Management	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication. 2. Server should have dedicated 1Gbps remote management port. 3. Server should support agentless management using the out-of-band remote management port. 4. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. 5. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware update functionality.Should provide support for Java free graphical remote console.
Server Management	The Systems Management software should provide Role-based security
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
	Should provide an online portal that can be accesible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contrats and status. The Portal should also provide a Personalised dashboard to monitor device heath, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be accessible on premise (at customer location - console based) or off premise (using internet).
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes

	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.
	The Server Management Software should be of the same brand as of the server supplier.
	Infra Platform /Infra Software to support a variety of different hypervisors, such as VMware, Microsoft Hyper-V, Red Hat KVM.
	Solution available to Deploy a fast and easy installation via software appliance delivery mode. With its own OS and Database to provide infra and lifecycle management
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

Item No.112	Specifications for Server-IV
ITEM CODE	RACK SERVER Mid-Range Make & Model
CPU 1	Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) Processor Kit or Higher
CPU 2	Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) Processor Kit or Higher
CPU L3 CACHE Memory	30 MB (1 x 30 MB) L3 cache
Motherboard	Intel® C610 Series Chipset
Memory	128 GB DDR4 RAM scalable to at least upto 1.5 TB , using DDR4 Load Reduced DIMM (LRDIMM) memory modules with 24 DIMM slots or equivalent
Memory Protection	Advanced ECC with multi-bit error protection and memory online spare mode
HDD Bays	Up to 8 SFF, HDD/SSD expandable upto 16 drives with optional drive cage, The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal or equivalent
Optical drive Bay	Optical drive DVD-RW
Hard disk drive	5 x 600 GB 6 G SAS 10K rpm SFF (2.5-inch) Hot pluggable Hard Drive or Higher
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Controller	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/ with 2GB battery backed write cache (onboard or in a PCI Express slot) or equivalent
Networking features	Server should support networking cards with below features:1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.
Interfaces	Serial – 1 ,Micro SD slot – 1 ,USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure)
Bus Slots	Minimum of Three full length full height PCIe 3.0 Slots X16 and Two full length full height PCIe 3.0 Slots X 8 slots which should support two double wide GPU cards
Power Supply	Minimum 94% Hot pluggable Redundant Power Supplies which should support two no's of compute cards
Fans	Redundant hot-plug system fans
Graphics	Integrated video with 16MB of Video RAM
Industry Standard Compliance	ACPI 2.0b Compliant,PCIe 3.0 Compliant,PXE Support,WOL Support ,Microsoft® Logo certifications,USB 3.0 AND 2.0 Support,Energy Star,ASHRAE A3/A4 and UEFI or equivalent
Embedded system management	Should support monitoring ongoing management, service alerting, reporting and remote management with embedded Gigabit out of band management port Server should support configuring and booting securely with industry standard Unified Extensible Firmware. System management should support provisioning servers by discovering and deploying 1 to few servers with Intelligent Provisioning ,System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support
Security	Power-on password ,Serial interface control Administrator's password ,UEFI ,Should support upto 12 customizable user accounts on out of band management port and SSL encryption ,Should also supports directory services integration
Operating Systems and Virtualization Software Support	Microsoft Windows Server ,Red Hat Enterprise Linux (RHEL) ,SUSE Linux Enterprise Server (SLES) ,Oracle Solaris ,VMware ,Citrix Xen Server
Chassis	2 U Rack Mountable
Provisioning	Essential tools, drivers, agents to setup, deploy and maintain the server should be embedded inside the server. There should be a built -in Update manager that can update firmware of system by connecting online.
Remote Management	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication. 2. Server should have dedicated 1Gbps remote management port. 3. Server should support agentless management using the out-of-band remote management port. 4. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. 5. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware

	update functionality.Should provide support for Java free graphical remote console.
Server Management	The Systems Management software should provide Role-based security
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
	Should provide an online portal that can be accesible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contrats and status. The Portal should also provide a Personalised dashboard to monitor device heath, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be accessible on premise (at customer location - console based) or off premise (using internet).
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes
	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.
	The Server Management Software should be of the same brand as of the server supplier.
	Infra Platform /Infra Software to support a variety of different hypervisors, such as VMware, Microsoft Hyper-V, Red Hat KVM.
	Solution available to Deploy a fast and easy installation via software appliance delivery mode. With its own OS and Database to provide infra and lifecycle management
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

Item No.113	Specifications for Server-V
ITEM CODE	RACK SERVER High Range Make & Model
CPU 1	Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit or Higher
CPU 2	Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit or Higher
CPU L3 CACHE Memory	60 MB (1 x 60 MB) L3 cache
Motherboard	Intel® C602J Chipset
Memory	128 GB with DDR4 DIMMs and server should support upto 6TB memory supporting across 96 DIMM slots or equivalent
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Memory Features	Should support advanced memory features 1) Memory quarantine 2) Double data device correction 3) Single data device correction 4) Online Memory sparing 5) Memory mirroring
Network controller	Two (2) x Dual Port 10G Base-T Adapter with RJ-45 Ports {Total Four (4) 10G Base-T Ports across Two Adapters with redundant Configuration} or Higher
Expansion Slots	Server should support minimum 9 PCI express 3.0 slots and it should be supplied with minimum two active Full length Full height PCIe 16 slots and two active full length full height PCIe8 slots or Higher
Storage Controllers	Should 12Gbps SAS Controller with 2GB Flash Backed Write Cache. Controller should support data encryption to protect sensitive and mission critical data. Controller should support RAID levels 6, 60, 5, 50, 1, 10 and Advanced Data Mirroring with 3 drives or Higher
Storage Bays	3 x 1.2 TB 10K SAS 12Gbps Hot swappable HDD
Fiber HBA	Two (2) x Single Port 16 Gbps HBAs or Higher
Interfaces	System should support minimum of, Serial port: 1 ; Video: 1 front; 1 rear ;micro-SD Slot: 1 ; USB 2.0 Ports: 8 total: 2 front; 4 rear; 2 internal or Higher
Industry standard compliance	ACPI 2.0. Compliant ; PCIe 2.0 Compliant ; PXE Support ; WOL Support ; Physical Address Extension (PAE) Support ; Microsoft® Logo certifications ; USB 2.0 Support or Higher
Power supply	Configured with platinum efficiency hot plug redundant power supplies
System fans	Configured with hot plug redundant system fans
Form Factor	4 U Rack Mountable
Remote Management	System remote management should support browser based Graphical Remote Console; Virtual Power button, Remote boot using USB / CD/ DVD Drive and should be capable to offer upgrade of software and patches from a remote client using Media / image/folder.
Server Management	System should support both UEFI and legacy system BIOS
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
	Server should support cloud based management by accessing the servers' configuration information, warranty & sla information, support case details anywhere from the internet
	The Server Management Software should be of the same brand as of the server supplier.
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

ANNEXURE-6
Laser Printers-Specifications of Item 114 to 119

Item No.114	Required Specifications for Printer-I
ITEM/CODE	Printer Make & Model
Type	Mono
Functions	Print
Print Speed	14PPM
Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	-----
Network Card	10/100 or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.115	Required Specifications for Printer-II
ITEM/CODE	Printer Make & Model
Type	Mono,Multifunction
Functions	Print,Copy,Scan
Print Speed	Up to18 PPM
Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	8MB
Network Card	10/100 orUSB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.116	Required Specifications for Printer-III
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction ePrint capability
Functions	Print, copy, scan, fax, hotspot
Print Speed	18 PPM
Resolution	600X600 DPI
Paper Size	A4/Legal/Letter
Memory	64MB
Network Card	10/100,USB, and ePrint capability
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.117	Required Specifications for COPIER-IV
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction ,ePrint capability, Duplex
Functions	Print, copy, scan, fax, e print, Wireless, Duplex
COPIER	25 PPM
SCAN	14 PPM (ADF)
Print Speed	25 PPM
FAX	8 Seconds per page
COPY Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	256MB
Network Card	10/100, USB 2.0, WiFi 802.11b/g/n
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.118	Required Specifications for Printer-V
ITEM/CODE	Printer Make & Model
Type	Colour Printer
Functions	Print
Print Speed	16 PPM
Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	8MB
Network Card	10/100 Or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.119	Required Specifications for COPIER-VI
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction ,ePrint capability, Duplex
Functions	Print, copy, scan, fax, e print, Wireless, Duplex
COPIER	25 PPM
SCAN	14 PPM (ADF)
Print Speed	25 PPM
FAX	8 Seconds per page
COPY Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	256MB
Network Card	10/100, USB 2.0, WiFi 802.11b/g/n
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

ANNEXURE-7
COPIER/XEROX-Specifications of Item 120 to 121

Item No.120	Required Specifications for COPIER-I
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction
Functions	COPIER/SCAN/PRINT/WIRELESS
COPIER	31 PPM
SCAN	MANUAL (FLAT BED)
Print Speed	31 PPM
COPY Resolution	1200 x 1200 DPI
Paper Size	A3/A4/Legal/Letter
Memory	256MB
Duty cycle	65000 pages
Network Card	10/100 TX Or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.121	Required Specifications for COPIER-II
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction
Functions	COPIER/SCAN/PRINT/WIRELESS
COPIER	45 PPM
SCAN	ADF , FLAT BED
Print Speed	45 PPM
COPY Resolution	1200 x 1200 DPI
Paper Size	A4/Legal/Letter
Memory	1.25 GB
Duty cycle	150000 pages
Network Card	10/100/1000 TX Or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

ANNEXURE-8
Scanners-Specifications of Item 122 to 123

Item No.122	Specifications for Scanner-I
ITEM/CODE	Scanner Make & Model
Type	Flat Bed
Resolution	1200 DPI
Bit Depth	48 Bit
Scan Size	A4
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Sd/-
DIRECTOR (IS)

Sd/-
REGISTRAR

Item No.123	Specifications for Scanner-II
ITEM/CODE	Scanner Make & Model
Type	Flat Bed , Auto document Feeder
Resolution	2400 x 2400 DPI
Bit Depth	48 Bit
Scan Size	A4 and Legal
ADF	Auto Document Feed
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

ANNEXURE-09
DOT MATRIX PRINTERS – Specifications of Item No 124-126

Item No.124	Specifications for DOT MATRIX PRINTERS
DOT MATRIX	DOT MATRIX 9 WIRE 80 COLUMN PRINTER

Item No.125	Specifications for DOT MATRIX PRINTERS
DOT MATRIX	DOT MATRIX 9 WIRE136 COLUMN PRINTER

Item No.126	Specifications for DOT MATRIX PRINTERS
DOT MATRIX	DOT MATRIX 24 WIRE136 COLUMN PRINTER

ANNEXURE-10
UPS – Specifications of Item No 127-134

Item No.127	Specifications for UPS
Item No.128	UPS 600 VA with 14 AH (APC/NUMERIC)
Item No.129	UPS 1 KVA with 14AH (APC/NUMERIC)
Item No.130	UPS 3KVA (APC/NUMERIC) 3KVA Online UPS System with 6Nos. of 12V.65AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt galvanic Isolation Transformer and installation
Item No.131	UPS 6 KVA(APC/NUMERIC) 6KVA (1P-1P) Online UPS System with 16Nos. of 12V.65AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt Galvanic Isolation Transformer and installation
Item No.132	UPS 10 KVA (APC/NUMERIC) 10KVA (1P – 1P) Online UPS System with 16Nos. of 12V.65AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables inbuilt Galvanic Isolation Transformer and installation
Item No.133	UPS 15 KVA (3P-1P) Online UPS System with 20Nos. of 12V.100AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt Galvanic Isolation Transformer and installation (Make: APC/NUMERIC)
Item No.134	UPS 20 KVA (3P-1P) Online UPS System with 30Nos. of 12V.100AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt Galvanic Isolation Transformer and installation (Make: APC/NUMERIC)

ANNEXURE-11
OPTIONALS/IN LIEU ITEMS(Item No.135)
Options (up to Sl.No1-42) Must be the Desktops Laptops & Servers Make Only

SL.No.	Specifications Required Make and Model
01	18.5 Inch LED Monitor
02	20 Inch LED Monitor
03	21.5 inch LED Monitor
04	23 inch LED Monitor
05	24 inch LED Monitor
06	2 GB NVIDIA Graphic Card
07	4 GB NVIDIA Graphic Card
08	500 GB HDD for Desktop
09	1 TB HDD for Desktop
10	4 GB RAM for Desktop
11	8 GB RAM for Desktop
12	4 GB RAM for Laptop
13	8 GB RAM for Laptop
14	Laptop Adaptor
15	Laptop Battery
16	DVD RW for Desktop
17	SMPS for Desktops

18	1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Hard Drive for Server
19	600 GB 6 G SAS 10K rpm SFF (2.5-inch) Hot pluggable Hard Drive for Server
20	8GB (1x8GB) Single Rank x4 DDR4-2133 CAS Registered Memory Kit for Server
21	16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS Registered Memory Kit for Server
22	Servers Processor Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit
23	EXTERNAL DVD RW
24	1 TB HDD (External Hard Disk)
25	2 TB HDD (External Hard Disk)
26	4 TB HDD (External Hard Disk)
27	USB KEYBOARD
28	USB MOUSE
29	WIRELESS KEYBOARD
30	WIRELESS MOUSE
31	Laptop Carry Bag
32	8 GB Pen Drive
33	16 GB Pen Drive
34	32 GB Pen Drive
35	MOUSE PAD
36	External USB Speakers
37	42U Rack Frame/600X1000/Steel ;Front Perforated door/600/42U-1no ;Rear Dual Perforated Door/600/42U-1no;Side panels/1000/42U-2nos ;Casters Set of 4 -1set ;Shelf -1no ;Vertical Power Manager 12SocX6-16A - 2no's ;Keyboard Tray - 1no ;Fan Modtllle/4Fan/Tower Mount-1no ;Mounting Hardware (pack of 20)-2no's
38	AMC For DESKTOP
39	AMC For LAPTOP
40	AMC For WORKSTATION
41	AMC For SERVER
Warranty	
Price in (Rs.)	
Deviation if any	

ANNEXURE-12
OPTIONALS/IN LIEU ITEMS(Item No.136)
Options (up to SI.No1-66) TONERS FOR PRINTERS

S.NO	TONER PART NO	PRINTER NAME
01	CC388AC	M1136/M1213NF/M1216NF/M1218/P1107/P1008
02	CC388AD	M1136/M1213NF/M1216NF/M1218/P1107/P1008
03	Q2612AC	1020/1020PLUS/AIO3020/AIO3030/3050/3052/1010/1018/M1319
04	Q2612AF	1020/1020PLUS/AIO3020/AIO3030/3050/3052/1010/1018/M1319
05	CE278AC	HP LJ 1536/1606
06	CE278AF	HP LJ 1536/1606
07	CB436AC	M1522/M1505/M1120
08	CB436AF	M1522/M1505/M1120
09	CB540A	CM1312/CP1215/CP1515N/CP1518
10	CB541A	CM1312/CP1215/CP1515N/CP1518
11	CB542A	CM1312/CP1215/CP1515N/CP1518
12	CB543A	CM1312/CP1215/CP1515N/CP1518
13	CC530AC	CM2320/CP2025
14	CC531AC	CM2320/CP2025
15	CC532AC	CM2320/CP2025
16	CC533AC	CM2320/CP2025
17	CE310A	MFP175/CP1025/M275MFP
18	CE311A	MFP175/CP1025/M275MFP
19	CE312A	MFP175/CP1025/M275MFP
20	CE313A	MFP175/CP1025/M275MFP
21	CE314A	MFP175/CP1025/M275MFP
22	CE320A	CM1415fnw/CP1525
23	CE321A	CM1415fnw/CP1525

24	CE322A	CM1415fnw/CP1525
25	CE323A	CM1415fnw/CP1525
26	CE410A	MFP M375nw/M351A/M475/M451
27	CE411AC	MFP M375nw/M351A/M475/M451
28	CE412AC	MFP M375nw/M351A/M475/M451
29	CE413AC	MFP M375nw/M351A/M475/M451
30	CE505AC	HP LaserJet P2035 /P2055
31	CF210A	HP LaserJet Pro M251/M276
32	CF211A	HP LaserJet Pro M251/M276
33	CF212A	HP LaserJet Pro M251/M276
34	CF213A	HP LaserJet Pro M251/M276
35	CF228A	HP LASERJET PRO M403/M427
36	CF280A	HP LASERJET PRO M401/M425
37	CF380A	HP Color LaserJet Pro MFP M476
38	CF381AC	HP Color LaserJet Pro MFP M476
39	CF382AC	HP Color LaserJet Pro MFP M476
40	CF383AC	HP Color LaserJet Pro MFP M476
41	CF400A	HP Color LaserJet Pro M252/M274/M277
42	CF401A	HP Color LaserJet Pro M252/M274/M277
43	CF402A	HP Color LaserJet Pro M252/M274/M277
44	CF403A	HP Color LaserJet Pro M252/M274/M277
45	CN045AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
46	CN046AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
47	CN047AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
48	CN048AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
49	CN053AA	HP OfficeJet 7510 /7110/7610/7612
50	CN054AA	HP OfficeJet 7510 /7110/7610/7612
51	CN055AA	HP OfficeJet 7510 /7110/7610/7612
52	CN056AA	HP OfficeJet 7510 /7110/7610/7612
53	Q6000A	HP LASERJET 2600/2605/1600
54	Q6001A	HP LASERJET 2600/2605/1600
55	Q6002A	HP LASERJET 2600/2605/1600
56	Q6003A	HP LASERJET 2600/2605/1600
57	Q7553A	HP LASERJET P2015/P2014/MFP2727/
58	CF350A	HP M153/M176/M177
59	CF351A	HP M153/M176/M177
60	CF352A	HP M153/M176/M177
61	CF353A	HP M153/M176/M177
62	CE400A	MFP M575f/M551/M570/M575
63	CE401A	MFP M575f/M551/M570/M575
64	CE402A	MFP M575f/M551/M570/M575
65	CE403A	MFP M575f/M551/M570/M575
66	CZ192AC	M435/M701/M706

**Sd/-
DIRECTOR (IS)**

**Sd/-
REGISTRAR**