

FINAL SPECIFICATION AFTER PREBID MEETING

SECTION VI - TECHNICAL SPECIFICATIONS AFTER PREBID

S.No.	Features	Specification Required
1	Processor	Intel ® 8 th Generation Core i7-8700 Hexa Core CPU with minimum base frequency of 3.20 GHz to 4.6 Ghz, 8GT/s DMI3, 12MB Smart Cache or better
2	Chipset	Intel Q370 /H370 series chipset or better (Launched in 2017 or later)
3	Motherboard	OEM Motherboard with logo embossed on the motherboard (No sticker)
4	Memory	8 GB DDR4 RAM (2666Mhz) expandable to 32GB ; Two DIMM slots; Non –ECC dual-channel upto 2666MT/s DDR4 SDRAM
5	Hard Disk Drive & Controller	1 TB HDD, 7200 RPM, SATA III 6 Gbps, with prefigure alert indication
6	Optical Drive	8x DVD Writer or better
7	Graphics	Integrated Intel®HD Graphics 630 or higher
8	Audio	High Definition integrated Audio with Internal Speaker
9	Ethernet / Communication	Integrated Intel Gigabit (10/100/1000 NIC) LAN, 802.1a/b/g/n card
10	Slots	Minimum 3 PCIe Slots (at least 01 PCI Express x16) & 1 M.2 PCIe x1 slot
11	Bays	3 Bays (1 external & 2 internal)
12	Ports	Minimum 8 USB ports (4 USB 3.0 Gen 1, 4USB 2.0)of which at least 2 USB Ports in Front Universal Audio jack for headphone & MIC 1 audio in , 1 audio out (1) VGA video port; (2) HDMI (1) RJ-45 network connector (1) RS-232 serial port Internal Serial Port Display Port to DVI-D Adapter, Display Port to HDMI 4K Adapter
13	Form Factor	Mini / Micro Tower
14	Power Supply	300W or more active PFC SMPS Surge protected with 85% efficiency or more , ENERGY STAR compliant , Screen Blanking , Hard Disk and System Idle Mode in Power On , Set up Password
15	Keyboard / Mouse	USB keyboard (same make as PC), USB Optical Mouse (same make as PC)
16	Operating System	Genuine Windows 10 Pro (32/64-bit) factory preload
17	Diagnostic Tool	Inbuilt Pre-Boot Bios Diagnostic
18	Security	TPM 2.0 Security Chip, SATA port disablement (via BIOS); Serial, USB enable/disable(via BIOS); Removable media write/boot control Power on Password (via BIOS) ;Administrator password (via BIOS); Setup password (via BIOS); Support for chassis padlock and cable lock devices; Solenoid Lock and Intrusion
19	O S Certification	Genuine Windows 10 Pro 64-bit factory Preloaded with media
20	Compliance and Certification	Energy Star for the quoted form factor of desktop & monitor EPEAT registered India for quoted desktop & Monitor TCO Certified for Monitor FCC, CE, RoHS, UL Certified ISO 9001,14001 certification for OEM
21	Information Accessibility	Product details, specifications and brochure to be available in public domain

22	Support	Driver should be available for download from OEM site for at least 3 years from the date of purchase order
23	Monitor	21.5" LED FHD backlit 1920 X 1080 resolution 3 side Micro Edge IPS panel, VGA and HDMI/ DVI – D input With wall mount option
24	Warranty	3 Years comprehensive onsite warranty.
25	Authorization	The firm has to provide Manufacturer’s authorization letter specific to this tender enquiry from the OEM of the item offered otherwise the bid will be outright rejected.

<u>Server hardware (rackmountable)</u>		
Sno.	Component	Desired Specifications
1	Make Offered	
2	Model Offered	
3	Certification(s) Required	OEM - ISO 9001Manufacturer
4		Certified on proposed OS(s)
5	Std. Compliance(s) Req.	UL, FCC & RoHS
6	Server Form Factor	1U
7	No. of CPU	1x Intel Xeon Silver 4110 scalable to 5110 Series or higher. 2.1 GHz 8 cores, or better
8	No. of Sockete	2
9	Chipset	Intel® C621 Series Chipset or better
10	RAM (Min/Scalable)	64 GB scalable to 3 TB, DDR4/2666Mhz /FB-Registered DIMM with ECC, 24 DIMM Slots
11	Hard Disk Drive(s)	3 x 600 GB Hot plug @ 10K SFF 6G SAS ,(Total • 8 internal drive bays with capability to support SSD, SAS and NL-SAS drives,
12	HDD Controller	Integrated RAID controller with minimum 4 GB Memory cache and to support Raid 0,1,5
13	Network Port	Min. 4 X 1Gbps
14	Dedicated Network Mgmt port	Required
15	Power Supply/Cooling Fans	Hot swappable - Redundant PS / Cooling units
16	Slot on board	At least 1 x PCIX/PCI-e free slots
17	Virtualization	Support industry standard virtualization solution
18	Management	OS independent hardware health Status Standards based OEM remote server management suite/sw
19	Rack Mountable KVM Console	17 Inch LCD TFT Console with 8 Port KVM & Cables Etc.

20	Graphics	Integrated Matrox graphics controller with 16MB of video Frame Buffer .
		1280 x 1024 (32 bpp)
		1920 x 1200 (16 bpp)
	Certification & Compliance	ENERGY STAR
		US Federal Energy Management Program (FEMP).
		IT ECO declaration.
		ROHS Compliance.
		ACPI 2.0b Compliant
		PCIe 3.0 Compliant
		PXE Support
		WOL Support
		Microsoft® Logo certifications
		USB 3.0 Support
		ASHRAE A3/A4
	Operating Systems and Virtualization Software Support and certification	Microsoft Windows Server
		Canonical Ubuntu
		Red Hat Enterprise Linux (RHEL)
		SUSE Linux Enterprise Server (SLES)
		Oracle Solaris
		VMware
	Citrix Xen Server	
Manageability Software	Embedded Self-Management, Diagnostics & Alert Feature	
	Embedded Remote Support Feature	
	UEFI	
	Built-in Interface Tool for Management	
Warranty	3 years Onsite Warranty	
22	OEM Certification	The OEM of the server should be listed atleast two times in last three published reports in the leader quadrant of Gartner reports for blade server/ modular server.
	RACK	OEM RACK 42 U Including PDU , FAN and Tray etc
	OS	Windows Server Standard Edition Latest version

