

Technical specifications for Desktop computers		
Item Description	Specification Name	Bid Requirement (Allowed Values)
Processor	Processor Generation	Latest Generation
	Number of Cores per	14 or more
	Processor Description	Latest Gen RPL - Refresh 4 Bit processor vPro enabled or equivalent , should support up to 5.00 Ghz or more
	Cache (MB)	24 or more
Motherboard	Chipset Series	Intel Q or W series Chipset. Motherboard make from the same desktop OEM (OEM logo must be embossed in
	Security	Discrete TPM 2.0 or above
	security features	The system must be configured with both a BIOS administrative password and a boot password to prevent
	Expansion Slots	1 Half-height PCIe x16 slot, 1 Half-height Gen PCIe x1 slot, Two SATA 3.0 slots, 2x M.2.
Graphics	Graphics Type	Dedicated / Integrated
Certification		ROHS Compliance,, Energy Star for the quoted Model, FCC,UL or equivalent certification ,CE (all certification is for the quoted Desktop model not for the quoted Desktop series), EPEAT INDIA / EPR , ISO 14001, ISO 9000, MIL STD-810H, TCO 8.0 or higher Certification for Monitor
Operating System	Operating System (Factory Pre-Loaded)	The system must come with Microsoft Windows 11 Professional pre-loaded directly from the OEM factory, and it should be capable of upgrading to the next OS version, Windows 12, 64-bit, with the latest service pack. Only digital licenses for Windows are accepted, and these licenses must be integrated with the motherboard's BIOS/UEFI firmware; paper licenses will not be considered valid. Additionally, the required hardware drivers for the offered model must be available on the OEM's website, and the OEM must provide a letter confirming that the operating system is pre-loaded or pre-installed solely from the OEM factory.
	OS Certification	Microsoft Windows and Linux certification must available in the Public Domain with the quoted Desktop model no .Quoted Desktop series will not accept)
Memory	RAM Size (GB)	16 DDR5 @ 4400 MHz or above
	RAM Expandability up	64
Power	Power Supply Capacity	Minimum 240W
	Minimum Power	92%
Storage	Type of Drives used to	NVMe SSD (M.2), HDD SATA.
	NVMe SSD Capacity	256 or above
	HDD SATA Capacity	2048 or more (with minimum 7200 RPM)
Connectivity	Wireless Connectivity	NO
	Audio	Integrated audio
	Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port
I/O Ports	Front	2 X USB 2.0
	Rear	2 x USB 2.0 2 x USB 3.2 1 DisplayPort 1.4
Monitor (Same Desktop OEM Make)	LED Backlit Monitor Size (INCHES)	21.5 or above
	Monitor Resolution	1920 x 1080 or higher
	Monitor Bezel	Ultrathin Bezel to have seamless view while easy arrange of parallel monitors
	Monitor Technology	IPS with Bezel less with DP & HDMI ports or Higher
	Number of HDMI Port in the Monitor	1
	Monitor Stand feature	Height Adjustable and tilt adjustable.
	Type of connector	HDMI
Cabinet	Cabinet Form Factor	Small form Factor PC (SFF) max chassis volume (7 - 13 Liters)(Reliability Engineering Certificate with min. MTBF of 70,000 Hrs. must be submitted from OEM for quality and Assurance of the display)
Input Devices (Same PC OEM Make)	Mouse Connectivity	USB optical scroll mouse (same Desktop OEM Make)
	Keyboard Connectivity	USB 104 Keys Standard (Same Desktop OEM Make)
Warranty	On Site OEM Warranty (Year)	3Y (OEM supplied Desktop model warranty must be visible in the OEM website in respect to each product serial number)/ Hard Drive Retention service is mandatory.
Extended Warranty	On Site OEM Warranty (Year)	Extended Warranty for 2 Years after Completion of 3 Years warranty to be quoted sepreatly, which will be freezed and executed after completion of 3 years warranty period.
Application	Trend Micro Apex 3Y	Trend Micro Apex One AC with 3Y subscription.

Application Software	MS Office Latest	Latest Microsoft office standard edition, perpetual, academic.
Manufacturer's Authorization Form (MAF)		The vendor should submit the MAF certificate for the quoted desktop model, along with the MAF for Trend Micro antivirus, and a partner certification from Microsoft.
Scope Of work & Local presence of vendor		The above mentioned warranty has to be supported with help of onsite engineer for the period of 3Y.
Eligibility Criteria		
Desktop Engineer Eligibility Criteria:		
(i) The Engineer shall have Diploma/Graduate in Electronic and Communication/Computer Engineering with minimum 1 year experience in maintenance/repair of computers.		
(ii) The bidder shall furnish the copies of the educational qualification of the Engineer & proof of experience after awarding the workorder to the bidder.		
(iii) The Engineer shall be a person of integrity and good moral character. He shall observe the security regulations of HBCH&RC(VIZAG). In case of leave or absence of Engineer from duty, the bidder shall provide a substitute. The Engineer shall be at disposal of HBCH&RC(VIZAG) and follow the discipline prescribed for the employees of HBCH&RC(VIZAG) including attendance, punctuality and job requirement.		
(iv) The duty of Engineer shall include maintenance & repair of computers supplied in pursuance of present tender enquiry including preventive maintenance. The Engineer shall be responsible for providing support to both hardware & software of above computers.		
(v) The normal working hours of the engineer shall be from 9:30 AM to 5:30 PM on working days i.e. from Monday to Saturday. However, in special circumstances he will be required to work late and on weekends and holidays.		
Vendor Eligibility Criteria:		
(i) The Bidder must have their Head office/Branch office in INDIA and must conform to norms of the Government pertaining to registration and taxation.		
(ii) The Bidder must have infrastructure for providing services for maintenance of computers. The detail of the same shall be furnished in Technical Bid.		
(iii) There must be Service Centre of OEM in Visakhapatnam Region and the details of the same shall be furnished in Technical Bid.		
(iv) The bidder must be authorized by the OEM whose product is quoted for this tender enquiry. The Authorization of the OEM shall be furnished in original in the format given in the Tender and furnished in the Technical Bid.		
(v) Bidder must have minimum three years' experience of supply of Computers to Government Departments/PSUs/Autonomous organizations and should not have been blacklisted by any of them.		
(vi) The bidder must not be blacklisted by any Government Departments/PSUs/Autonomous organization.		
(vii) The Bidder shall be capable to execute the order and must have experience of supplying the computers / Servers to Government Departments/PSUs/Autonomous organizations.		
(viii) Bidder must have minimum turnover of Rs.38 lacs during each of the last three consecutive financial years.		
Warranty & Complaint Redressal:		
(i) The product quoted shall have 3 years onsite warranty of OEM.		
(ii) The warranty period shall commence after the successful installation of all the 75 Pcs by the Bidder.		
(iii) The OEM shall make available direct & hassle free facility including dedicated telephone nos. for lodging the complaint. The OEM/bidder shall also furnish monthly report of the complaints lodged and action taken thereon.		
(iv) In case of replacement of Hard Disk, the defective Hard Disk, for security reasons, will not be returned to the OEM/Bidder.		
(v) The bidder shall ensure that the terms & conditions of warranty and complaint redressal are honored by their OEM though bidder. In case of default of the OEM, the penalty may be imposed on the bidder at the discretion of HBCH&RC(VIZAG). In case of delay in complaint redressal, a penalty not exceeding Rs.500 per day per computer may be imposed on the bidder at the discretion of HBCH&RC(VIZAG).		
General Terms		
1	EMD	As per the MSME Act, EMD is exempted only for Manufacturers who are having MSME Certificate. (Traders/Dealers/Distributors/Channel Partners/ Agents are not exempted to submit the EMD with MSME Certificate) Other than manufactureres who are having MSME have to submit EMD
2	Doc.	Submit Land sharing boarder declaration as per GFR 143