

Technical Specifications:**1. Workstation with 8GB Graphics Card.**

Sl. No.	Features	Qualifying Minimum Requirements
1	Processor	Dual (Intel Xeon E5-2630 V4 Series processor with 10MB Cache Memory , 3 Ghz or above , Quad Core
2	Chipset	Intel C612
3	RAM	128 GB ECC, DDR4, 2400 ECC memory ; Total 16 DIMM slots
4	Drive Controllers	Integrated SATA 6.0 Gb/s; Integrated LSI SAS 2308 with RAID; LSI MegaRAID® 9270-8i SAS 6.0 Gb/s ROC RAID Card and iBBU09 Battery Backup Unit (optional); Factory integrated RAID available for SATA/SAS drives (RAID 0, 0 Data, 1, 5, and 10); Factory integrated RAID available for PCIe SSDs (RAID 0 Data)
5	Hard Disk	PCI Express x4 based 256GB SSD Drive for OS. 1 TB SATA 7200 RPM HDD Option for future expansion of additional up to 4 SATA Hard drives.
6	Optical Drive	9.5mm Slim SuperMulti DVD Writer
7	Graphics Card	Nvidia Quadro M5000 8GB Graphics card.
8	Monitor	24" LED Backlit IPS monitor. Monitor specifications as attached separately.
9	Bays	2 x External 5.25" 4 x Internal 3.5" Slim Optical Drive bay
10	Slots	2 PCIe Gen3 x16; 1 PCIe Gen3 x16 (when 2nd CPU installed); 1 PCIe Gen2 x4 (when 1 CPU installed) OR PCIe Gen3 x8 (when 2nd CPU installed); 1 PCIe Gen3 x8; 1 PCIe Gen3 x4; 1 PCIe Gen2 x1 (1 PCIe Gen2 x 4 when 1 CPU is installed. Transforms to PCIe Gen3 x8 when 2nd CPU installed. The PCIe x8 connectors are open ended, allowing a PCIe x16 card to be seated in the slot.)
11	Security	BIOS controlled electro-mechanical internal chassis lock for the system.
12	Ports & Connectors	Front: 4 USB 3.0; 1 combo headset; 1 microphone Back: 4 USB 3.0; 2 USB 2.0; 1 serial; 2 PS/2; 2 RJ-45; 1 audio line in; 1 audio line out Internal: 2 USB 2.0; 1 USB 3.0 (Internal USB 2.0 available by the 2x5 header. Internal USB 3.0 available by a shrouded 9-pin connector.) Drive
13	Keyboard and Mouse	Minimum 104 keys USB Keyboard and USB Optical Scroll mouse - Same make as that of the workstation
14	3D Mouse	Optional SpacePilot Pro USB 3D Mouse
15	Audio	High Definition Integrated Audio with Internal speaker.
16	GPU Computing Card	Nvidia Tesla K40 to be Supported
17	Power Supply	Minimum 1125W 90% Efficient Power supply EPEAT Gold certification for the system model. Power supply should support standalone self test.
18	Chassis	Tool less chassis with easy access. Provision for Kensington lock and Panel lock required. Integrated handles on the chassis. System should be rack-mountable
19	Operating System	Windows 10 Professional 64 bit OS with downgrade option to Windows 7. System should be certified for running RHEL and SLED.

20	Remote Collaboration Software	Hardware or Software based Remote Collaboration system which can help remotely access 3D data across network has to be supplied with the system. - It should allow collaboration between multiple participants on an OpenGL 3D or DirectX applications. - It should support One to One for remote work and One to many for collaboration with keyboard and mouse control. - Application should be stateless and should not transfer actual data over the network. - Pixel information or images should be 128 SSL encrypted. - Should work on both Linux and Windows, and should be inter-operable.
21	Additional Software	1. The hardware vendor should supply an automatic system performance tuning and monitoring software on Windows. 2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilization (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards. 3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.
22	Warranty	3 years onsite parts and labor warranty for system and monitor
23	Vendor Status	The hardware vendor should be a reputed concern, having global presence in multiple countries. Vendor should have ISO certifications. Thunderbolt Certified for Windows support for Thunderbolt™ 2 technology Client Management Solutions, ENERGY STAR® certified and EPEAT® registered configurations Networking 10GbE Dual Port Adapter with Hardware Certifications FCC B, UL, CE, VCCI, BSMI, CTICK, KCC Environmental Certification for Low halogen
24	Cooling Solution	Processor cooler with 3D vapor chamber phase-change cooling with staggered hex-fin heat exchangers.

Note: 1. Case Specific authorization from OEM mentioning the enquiry number and the date.
2. Bidder should have local office and service facilities.