

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
**Department of Earth Sciences**

**Enquiry No: ES/RS/2014-2015/19**

**Date: 17.11.2014**

**Subject: Quotation for supply of WORKSTATION HP.**

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover in order to reach us by November 25, 2014 in the form of a hard copy to the address mentioned below. If you have any questions please call Dr. Rajiv Sinha at 2597317, email: rsinha@iitk.ac.in.

**Technical Specification:**

	<b>WORKSTATION HP</b>
<b>Features</b>	<b>Description</b>
<b>Processor</b>	2 * Intel Xeon E5-2620 v2 2.10Ghz 15MB 1600 6C 2nd CPU
<b>Chipset</b>	Intel C602 chipset
<b>RAM</b>	16 GB DDR3-1866 MHz (2*8GB) 2CPU Reg RAM; System should support upto 12 DIMM slots and memory expandability up to 96GB of RAM for each CPU & 192GB with 2 CPU using 16GB RAM module
<b>HDD 1<sup>st</sup></b>	256 GB SSD
<b>HDD 2<sup>nd</sup></b>	1 TB 7200 RPM SATA 2nd Hard Drive
<b>Optical Drive</b>	16X DVD RW
<b>Graphics Card</b>	AMD Radeon R9 270 with 4 GB Memory
<b>Drive Bays</b>	2 external 5.25-inch bays, 3 internal 3.5-inch bays
<b>Expansion Slots</b>	2 PCI Express Gen3 x16;  1 PCI Express Gen3 x8,  1 PCI Express Gen2 x8 mechanical/x4 electrical;  1 PCI Express Gen2 x4 mechanical/x1 electrical;  1 Legacy PCI
<b>USB Ports</b>	Front : 2 x USB 3.0, 1 x USB 2.0, 1 x 1394a, mic in, headphone out  Rear : 2 x USB 3.0, 4 x USB 2.0, 1 audio in, 1 audio out, 1 microphone in, 2 PS/2, 2 RJ-45  Internal: 5 USB 2.0
<b>Chasis</b>	Cable-less and Tool-free chassis -
<b>Diagnostics</b>	Diagnostic tool that can be used by the end user or technical support personnel to view information about the hardware configuration of the computer and perform hardware troubleshooting Workstation systems. This should be independent of OS and works on Linux as well. This should perform comprehensive test on the motherboard.
<b>Collaboration</b>	Solution for collaboration on complex 3D applications and designs between users/groups sitting anywhere in the world.
<b>Other Features</b>	Solution where users can themselves know the exact RAM, BIOS settings, Graphics memory, Cache size, Processor cores and other system configurations required by the applications on the Workstations.

	Aslo suggest on latest patches and updates on drivers
<b>Operating System</b>	Linux Installer Kit OS
<b>Power Supply</b>	800W 90% Efficient EPEAT Gold Certified
<b>Certifications and Additional Software</b>	<p>The system should be certified by leading ISV's for running their applications.</p> <ul style="list-style-type: none"> <li>• Application for remotely accessing 3 dimensional data via screen sharing with lossless image compression technology.</li> <li>• Application for monitoring graphics card utilization, fine tuning HW with respect to application being used, monitoring system resource utilization (With windows)</li> <li>• Offline diagnostic utility</li> </ul>
<b>Warranty</b>	3/3/3 Warranty
<b>Audio</b>	Integrated Intel/Realtek HD ALC262 Audio
<b>Network</b>	Broadcom 5761 Gigabit PCIe NIC Dual integrated Intel LAN; Infineon TPM 1.2 Controller
<b>Keyboard</b>	USB standard keyboard
<b>Mouse</b>	USB Laser scroll mouse
<b>Integration &amp; testing</b>	Full configuration as listed above should be tested and integrated at OEM manufacturing plant which includes all major components, power supply, cooling fan, cabinet etc. A certificate from the manufacturer should be enclosed with this effect.
<b>After sales service</b>	Local services should be available and OEM (manufacturer) should have at least one authorized service provider (ASP) in the region. Also, provide name & address of the ASP.
<b>Vendor Status</b>	The hardware vendor (manufacturer) should be a reputed concern, having global presence in multiple countries. Vendor should have ISO certifications.
<b>Firm's authorization</b>	1. The firm (bidder) must be authorized by the manufacturer or OEM to supply, install and maintain the system. Specific authorization by the manufacturer for participating in this tender has to be enclosed.
<b>Industry Standards</b>	<p>System should be fully compliant with industry standards.</p> <p>System and all internal components should be RoHS compliant.</p> <p>System model should be EPEAT Gold certified for selected configurations.</p> <p>Energy Star Enabled Configuration</p>
<b>Security</b>	Solenoid Hood Lock & Hood Sensor & Protect tools software should be provided

Dr Rajiv Sinha  
WLE 202, Earth Sciences Department  
I.I.T. Kanpur PIN 208016