

## Enquiry for one HP Work Station

| Component                | Model -Z620 WORKSTATION Specifications  |
|--------------------------|---|
| Processor                | 2 x Intel® Xeon® E5-2690 (2.9GHz/8-core/20MB/8.0GT-s QPI/135W, DDR3-1600, HT, Turbo2) Processors  |
| Chipset                  | Intel® Sandy Bridge Architecture<br>Intel® C602 Chipset<br>with Support for : Intel® Xeon® processor E5-2600 product family & Intel® Xeon® processor E5-1600 product family   |
| Memory                   | 16 GB DDR3-1600 (8x4GB) Registered ECC Memory. 4-channel per processor.<br>Up to 192 GB Memory capacity with 12 DIMM slots and 16 GB DIMMs (with two processors installed)  |
| Hard Drive Controller    | SATA RAID 0, 1, 5, and 10 support standard on motherboard. 2 channels of Serial ATA (SATA) 6.0 Gb/s and 8 channels of SATA 3.0 Gb/s natively supported internally   |
| Hard Drive               | 1TB SATA 7200 rpm 6Gb/s 3.5" HDD  |
| Optical Drive            | HP 16X DVD+/-RW SuperMulti SATA Drive   |
| Audio Subsystem          | High Definition integrated audio with internal speaker  |
| Graphics                 | NVIDIA Quadro 410 512MB Graphics or better  |
| LAN                      | Integrated Dual Port Gigabit Network Adaptor  |
| I/O Expansion Slots      | Slot 1 (top): PCI Express Gen2 x4(1), Full-height, Half-length (not available when 2nd CPU/Memory Module is installed)<br>Slot 2: PCI Express Gen3 x16 Full-height, Full-length (with extender)<br>Slot 3: PCI Express Gen2 x8(4) with open-ended connector, Full-height, Full-length (with extender)<br>Slot 4: PCI Express Gen3 x8 with open-ended connector, Full-height, Full-length (with extender)<br>Slot 5: PCI Express Gen3 x16, Full-height, Full-length (with extender)<br>Slot 6: PCI 32bit/33MHz, Full-height, Full-length (with extender) |
| Internal Bays            | 3 internal 3.5" bays (with acoustic dampening rail assemblies pre-installed)  |
| External Bays            | 2 external 5.25" bays.  |
| Front I/O                | 2 USB 3.0, 1 USB 2.0, 1 Headphone, 1 Microphone, 1 IEEE 1394a   |
| Rear I/O                 | 2 USB 3.0, 4 USB 2.0, 2 RJ-45 integrated Gigabit LAN, 2 PS/2, 1 Audio Line-In, 1 Audio Line-Out, 1 Microphone. Serial supported with optional connector on PCI bracket cabled to system board connector   |
| Internal USB             | 6 USB 2.0   |
| Keyboard + Mouse         | The system must ship with Keyboard and Mouse  |
| Power Supply             | Tool-free 800W 90% Efficient wide-ranging, active Power Factor Correction   |
| Operating System Support | Windows 7 Ultimate 64-bit<br>Windows 7 Professional 64-bit<br>Windows 7 Professional 32-bit<br>Windows 8 Pro 64-bit<br>RHEL 5 & 6 and SUSE Linux Enterprise Desktop 11<br>Red Hat Enterprise Linux Desktop (Preinstall NOT available; 1 year paper license only)<br>The system must ship with Drivers for Linux in a CD or DVD  |
| Form Factor              | 4U Rackable Minitower   |
| Temperature              | Operating: 5° to 35° C (40° to 95° F)<br>Non-operating: -40° to 60° C (-40° to 140° F)  |
| Humidity                 | Operating: 8% to 85% relative humidity, non-condensing<br>Non-operating: 8% to 90% relative humidity, non-condensing  |
| Warranty                 | 3 years compressive onsite warranty   |

1. Your quotation shall contain an Authorization Letter from manufacturer.
2. All quotations must reach on or before 05-09-2013.
3. Quotation must be valid for 60 days.
4. Delivery period 60 days.
5. Send complete detail of the product(s).
6. Payments terms: 90% on installation and 10% satisfactory report.
7. Quotation may be sent to the following address.

Dr. Shridhar R. Gadre  
Department of Chemistry  
I.I.T. Kanpur – 208016