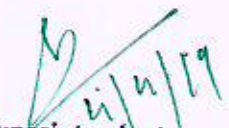
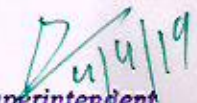


TECHNICAL SPECIFICATIOS OF COMPUTER SYSTEMS

| | |
|------------------------------------|---|
| Computer System Type | Intel i5 All in One Desktop. |
| Category | Business (for work) segment (Not Home segment). |
| Form Factor | All in One |
| Make, Model/Part No. | (to be given by the bidder – exactly and in specific). |
| PROCESSOR & MOTHERBOARD | |
| Processor Family | Intel Core i5 (8 th Generation). |
| Base Frequency | 2.8 GHz or more. |
| Processor Cache | 6 MB or more L3 cache. |
| Motherboard | Intel Original Motherboard. |
| TDP (Thermal Design Power) | Not more than 65W. |
| MEMORY & DISK STORAGE | |
| System Memory (RAM) | 8 GB DDR4 with one unused slot. |
| Expandable Memory | Up to 16 GB, at least 2 slots. |
| Hard Disk | Integrated Dual Port SATA III Controller, HDD 500 GB, 7200 RPM or more. |
| PLATFORM / ARCHITECTURE | |
| Preloaded Operating System | Ubuntu / Free DOS / Without OS Drivers & plugins for all hardware for ubuntu 14.04 required. |
| Operating System Certification | Ubuntu-Linux 14.04 LTS |
| System Architecture | 64-Bit |
| DISPLAY & GRAPHICS | |
| Screen Size & Resolution | Non-touch 19/19.5 inch, HD Resolution or better with relevant TCO Certification. |
| Screen Type | HD Wide Screen Backlit LED Anti – Glare Display. |
| Graphic Processor | Intel HD or equivalent integrated HD Graphics as per the Processor. |
| Monitor Mounting Support | Wall / Cart / Arm Mountable through VESA bracket. |
| Wall Display 40 inch LED(TV) | 1920 x 1080 Full HD. 100 Hz 3 x HDMI 2 x USB |
| INPUT | |
| Web Camera | 1.0 Megapixel HD Built in Webcam. |
| Pointer Device & Keyboard | OEM USB Optical Scrolling Mouse, OEM USB Standard 104 keys keyboard. |


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| AUDIO | |
|---|--|
| Microphone | Digital Microphone. |
| Speakers | Stereo Sound Speakers (Built-in). |
| COMMUNICATION | |
| Ethernet | Integrated Gigabit Ethernet (IPv6 complaint) |
| Wireless | IEEE 802.11 b/g/n |
| PORTS / SLOTS | |
| USB Port | 4 x USB 2.0, 2 x USB 3.0. |
| Other Ports | Mic. In, Speaker Out, RJ45, VGA/HDMI/Display Port Out. |
| POWER SUPPLY & ENERGY EFFICIENCY (GREEN COMPLIANCE) | |
| Power Supply / Adaptor | Internal/External Power A.C. Adaptor. |
| Energy Certification | Energy Star (EPA) ver. 5.0 or later / BEE India Star ver. 1 or later. |
| Power Management | ACPI complaint. |
| SECURITY FEATURES | |
| USB Ports Security | USB Port Disable (through BIOS). |
| OTHER SPECIFICATIONS | |
| Hardware Drivers | Vendor to provide drivers for Ubuntu-Linux 14.04 LTS. |
| OEM Product | Original Equipment Manufacturer (OEM) Manufacturer or its authorized distributor/dealers with OEM. |
| WARRANTY & SERVICE SUPPORT | |
| Warranty | 5 years on site Comprehensive Warranty support with L 1 support from bidder and L2 support from OEM. |
| Service Centre | Must have / preferred Company Authorized Service Centre in Capital City / High Court Place. |
| NOTE : ALL THE ABOVE SPECIFICATIONS SHOULD BE READ AS EQUIVALENT OR BETTER THAN. | |


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 VSK

Specifications of Desktop based Video Conferencing Equipments

1. USB BASED MICROPHONE CUM SPEAKER WITH BUILT IN ECHO CANCELLATION FOR DESKTOP BASED VC SYSTEM

Quantity = 1

USB based plug n play device to operate with various Linux OS including Ubuntu Linux & Windows Operation System

Good pickup of about 1.5 meters (5-7 feet) distance from the Microphone coverage of 360 Degree

Full Duplex Operation (Speak and listen simultaneously)

Built in Echo Cancellation

Volume Control button for increase and decrease according to local preferences

Local Microphone Mute/Un mute button with visual indication such as bi colour LED

Frequency response for microphone = 200 Hz - 7 KHz or better

HD quality speaker output

3.5 mm mini phone connector to connect to external devices such as speaker and Microphones with echo cancellation

Upgradable Firm ware

With 10 feet additional USB extension connecting cable

2. BLUETOOTH/WIRELESS ENABLED SPEAKER CUM MICROPHONE FOR DESKTOP BASED VC SYSTEM

Quantity = 1

USB based plug n play device to operate with various Linux OS including Ubuntu Linux & Windows Operation System

Bluetooth/Wireless connectivity with a USB based Dongle to be connected to PC/Laptop

Should cover distance of typical distance of 20-25 feet from the dongle using Bluetooth/Wireless connectivity

Built in Echo Cancellation

Volume Control button for increase and decrease according to local preferences

Local Microphone Mute/Un mute button with visual indication such as bi colour LED

Frequency response for microphone = 100 Hz - 7 KHz or better

HD quality speaker output / 220 Hz to 14 KHz or better

Firm ware upgradable through USB

With 10 feet additional USB extension connecting cable

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Specifications of Desktop Based Video Conferencing Equipments

| |
|--|
| <p>2. USB BASED CAMERA FOR DESKTOP BASED VC SYSTEM</p> <p>USB based plug n play device to operate with various PC/OS n/ptops</p> <p>Motorized PTZ (Pan, Tilt, Zoom)</p> <p>180 Degrees PAN, 50 Degrees Tilt and 70 Degrees Field View</p> <p>Compliance to USB 2.0 or better</p> <p>Full HD 1080p30 video calling (up to 1920 x 1080 pixels)</p> <p>Thermal stabilized lens such as Carl Zeiss® lens with autofocus/ High Precision lens for clear picture</p> <p>Compliant with software for video recording using H.264 codec</p> <p>Compliant with various Linux OS including Ubuntu Linux, Windows and Mac OS systems</p> <p>Minimum 5 feet USB connecting cable</p> <p>Compliant low lighting environment</p> <p>Built in microphones for audio pickup from distance of 5 feet</p> <p>Remote Controller to PTZ functions</p> <p>10 feet additional USB extension connecting cable</p> |
| <p>3. DISPLAY UNIT FOR VC SYSTEM with 10m Cable</p> <p>40/48 or more inches HD LED Monitor compatible with VC SYSTEM as given at item 1 above</p> <p>Two or more HDMI In Ports with 10 meters HDMI Cable</p> <p>One D-Sub (No 15) Input for PC Input including for Audio</p> <p>One Component Video In with audio</p> <p>Built in Stereo Speakers with Amplifier with 5 W x 5W capacity</p> <p>Tablet Top Stand / Wall Mount Kit</p> <p>Remote Control with Display Unit Functionalities</p> <p>Input Power 230 +/- 5% with 50 Hz</p> <p>5 years on site warranty</p> |

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Specifications of Desktop based Video Conferencing Equipments

| 4. UPS FOR VC SYSTEM | |
|---|--|
| Capacity | 1 KVA LINE INTERACTIVE (ONLINE) |
| Input Voltage and Frequency | 140-270 V, 47 to 53 Hz |
| Output Voltage and Frequency (On Mains) | 230 \pm 5% with AVH (Automatic Voltage Regulator), 50 Hz \pm synchronized with Input Power Frequency |
| Output Voltage and Frequency (On Battery) | 230 V \pm 3% with 50 Hz |
| Backup time | 60 minutes |
| Battery Type | Maintenance free sealed Lead Acid battery with suspended electrolyte leakproof |
| Overload Capacity | 110% |
| Efficiency | 80% or more |
| Output Wavetype | Quasi Sinewave or better |
| Transfer Time | < 5 milliseconds |
| Load Power Factor | 0.6 |
| Other Features | Cold Start, Auto Start, Generator Compatible, No Load Shutdown |
| Protections from | Surge, Short Circuit, Spikes, DC Undervoltage and Overload |
| Indicators | Mains, On Battery, Charge, Overload |
| Alarms | Low Battery, Mains Off, Tripping |
| Operating Environment | 0-40 °C |
| Operating Relative Humidity | 0-95% |
| Audible noise at 1 meter from surface of unit | Not more than 50.00 dBA |
| Output Sockets | 3 or more with 3 pin |
| Warranty | 5 years Onsite including batteries |

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Specifications of Desktop based Video Conferencing Equipments

Specifications as approved by the E Committee
for All in One Computers for Courts of 15 equivalence

Specifications as approved by the E Committee
for All in One Computers for Courts of 15 equivalence

Note: All of the above specifications should be read as equivalent or better

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