DESKTOP COMPUTER WITH 22-INCH LCD MONITOR FOR FACULTY

Detailed Technical Specifications

Configuration: Intel Core i5 10th Generation | 16 GB DDR4 RAM | 512 GB NVMe SSD | 22-inch LCD

Parameter	Detailed Technical Specification
Equipment Type	Business-class desktop computer with a separate LCD monitor, suitable for office applications, university administrative work, web-based systems, and general productivity.
Quantity	21
Processor	Intel Core i5, 10th Generation, or the exact generation. Bidder must state the complete processor model number and specifications
Processor Performance	Minimum 6 physical cores and 12 threads preferred
Memory Capacity	Minimum 16 GB RAM.
Memory Type	DDR4 SDRAM compatible with the offered motherboard and processor
Primary Storage	Minimum 512 GB solid-state drive (SSD).NVME
Graphics	Integrated graphics supported by the offered processor/platform, capable of driving the supplied monitor at its native resolution.
Monitor	One Refurbished/UsedLCD monitor per desktop, minimum 21.5-inch diagonal size (marketed as 22-inch), A+ condition, Full HD resolution of 1920 × 1080. All LCDs with the same model and size is preferred.
Monitor Display	Anti-glare panel preferred, minimum 60 Hz refresh rate, and brightness of at least 200 cd/m² or better.
Monitor Inputs	At least one digital input compatible with the desktop video output, such as HDMI or DisplayPort. Any required adapters must be included. VGA is not acceptable.
Monitor Accessories	Monitor supplied with power cable, video cable, and standard stand
Motherboard	OEM-compatible motherboard supporting the offered 10th Generation Core i5 processor, minimum DDR4 memory, PCIe NVMe SSD, and integrated graphics output.
Network Interface	Integrated 10/100/1000 Mbps Gigabit Ethernet LAN port, RJ-45.
Chassis	OEM business desktop chassis, tower
Keyboard and Mouse	A4Tech USB keyboard and optical USB mouse per desktop
Product Condition	Refurbished/Used, If new Desktop Machines is available in ex-stock that can also be considered.
Warranty	Minimum one-year.
Installation and Testing	Supplier shall install and test the desktop and monitor, verify RAM and SSD capacity, check network and USB ports, confirm display output, and demonstrate successful startup. Immediate response time in case of any fault if identify during warranty period.

Mandatory Requirements for the Vendors:

EXPERIENCE:

The bidder should have relevant experience in supply of branded IT equipment.

The bidder shall provide details of at least **three (03) relevant supplies completed during the last five (05) years**, preferably involving:

- Universities;
- Government/semi-government organizations;
- Banks;
- Large private organizations;
- Educational institutions;
- Corporate/enterprise customers;
- Other organizations with comparable IT infrastructure.

WARRANTY SERVICE

During the warranty period:

1. Defective equipment shall be repaired/replaced without additional cost.
2. Defective components shall be replaced with genuine compatible components.
3. The supplier shall bear transportation and related costs.
4. Warranty service shall not void the manufacturer's warranty.
5. Replacement equipment should be new and genuine.
6. Any replaced component shall carry the remaining applicable warranty period.

INSPECTION UPON DELIVERY

Delivery shall not automatically constitute acceptance.

Bahria University authorized Inspection/Acceptance Committee may verify all the equipment received including performance of all parts.

CONFIDENTIALITY

The supplier shall maintain confidentiality regarding any institutional information, configurations, network information or other information obtained during delivery, installation or warranty support.

The supplier shall not disclose institutional information to any third party without written authorization.

ACCEPTANCE

Final acceptance shall be issued only after satisfactory:

- Physical inspection;
- Configuration verification;
- Functional testing;
- Documentation verification;
- Warranty verification;
- Serial-number verification;
- Resolution of identified deficiencies.