

**Specifications/details of items required for establishment of Sessions Court,
Orakzai (at Baber Mela Hangu)**

| Category A | | IT Equipment | | |
|--|---|--|---------------------|---------------------|
| Sr. No | Item | Description | Unit | Quantity |
| 01 | CFMIS Networking System with complete Supply, Fixing, Installation, Commissioning and Testing (Turnkey) | Supply & Laying / Wiring of Network Cable; with 4-pair CAT6 F/UTP data cable; LSZH; 23 AWG; 1g; 350 Mhz; 100Ω; EIA/TIA 568-b; ISO 11801; EN 50173; IEEE 802.3/5; EN 50288; IEC 60754-1; IEC 11656-5; 98.6Ω/km conductor resistance @ 20°C; in PVC dura duct; 16x25 mm | RFT | As per requirements |
| | | Supply & Laying / Wiring with Power Cable; 3x 2.5 ² Mm Stranded; CU/PVC; 450/750v; Bs: 6004; In PVC Dura Duct; 25x25 Mm / 1"Ø PVC Conduit with Fixing Accessories / Civil Work | RFT | |
| | | S/F & Commissioning of Network Point; With Dual Gang Face Plate; 86x86; V0-Abs; White Colour; Including Cost Of 2x Tool Less Keystone Cat6 I/O Jack with Integrated Shutter; EIA/TIA 568-B; ISO 11801; EN 50173; IEC 60603-7 | As per requirements | |
| | | S/F & Commissioning of 19" EIA Standard 1U Rack Mount Patch Panel; 24 Port; Aluminium Construction; Flexible Labelling; EIA / TIA 606; Loaded With 24x Tool Less Keystone Cat6 I/O Jack with Integrated Shutter; EIA/TIA 568-B; ISO 11801 | As per requirements | |
| | | S/F Of 19" EIA Standard 1U Rack Mount Front Cable Manager with Soft Fingers | As per requirements | |
| | | S/F & Commissioning of Rj45 ~ Rj45 Factory Terminated Cat6 Patch Cords; 05 Meter; EIA / TIA 568; ISO 11801; EN 50173-1; IEC 60754-1; EN 50173 | As per requirements | |
| | | S/F & Commissioning of 19" 800 X 1000; Floor Standing; Powder Coated; Black; Perforated; Front / Rear Door with Lock & Key; 2x Fix, 1x Sliding Trays; 4x Ventilator Fans; Standard Data Server Rack; 27u; Temp Sensor; Including Cost Of 2x 6-Way All Usage Type 19" Rack Mount PDU; Make: Imported/EQL | As per requirements | |
| | | S/F & Commissioning of Performance Category Cat6 Applications Standard TIA/EIA-568-2-D Housing Material Polycarbonate UI Flammability Rating UI94v-2 [Rohs Compliant] Contact Type Three Prong Pin For Solid/Stranded Wires Contact Material Copper Contact Plating Gold Plating 50μ [1.27μm] Housing Colour Clear Shield Type Non-Shielded Operating Temperature -10° To 60°C Voltage/Current Rating [UI Applications] 125volts Ac/1.5amps Dielectric Withstanding Voltage 1500volts Dc / Ac Peak Contact Resistance ≤ 20mΩ INSULATION RESISTANCE | As per requirements | |
| | | S/F & Commissioning of 19" Communication #05585 - 590x600x440 Mm; Wall Mount; Powder Coated; Black; Perforated; Rack; 12U; Front Glass Door with Lock & Key; 1x Fix Tray; 2x Ventilator Fans; Including Cost Of 1x 6-Way All Usage Type 19" Rack Mount PDU; Make: Imported/EQL | As per requirements | |
| S/F & COMMISSIONING of Processor; Number 8 cores; L2/L3 cache 2.0 MB per core Up to 12 MB; Memory Module DDR4: 4 udimms with ECC • Speed: Up to 2666MT/s • Min RAM: 32GB; RAID controllers Chipset | As per requirements | | | |

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| | | <p>based SATA, PERC S140 • PERC H330 • PERC H730P; Server management BMC • IPMI 2.0 compliant; Full Open Manage suite • Optional idrac9 Express • Optional idrac9 Enterprise • VFLASH; Hard drives • 2.5” SSD 4*1TB; Embedded LOM/NIC Integrated BROADCOM BCM5720 Gigabit Ethernet Controller; Power supply hot-plug redundant platinum power supplies; Systems management Lifecycle Controller 3.0 • IDRAC9 Enterprise; complete in all respect.</p> | | |
| | | <p>S/F & Commissioning of 1U Rack Mount Network Data Switch (Gigabit); 24 Giga 10/100/1000 Ports; 2x 1g SFP & Or 2x Giga Combo Uplink Ports; Layer-Ii; Managed Type; 40 Mpps Forwarding; 56 GBPs Switching; Vlans; Flash Memory 1gb, Packet Buffer 12mb; complete in all respect.</p> | <p>As per requirements</p> | |
| | | <p>S/F & COMMISSIONING of PDU Electrical Input connector IEC-309, 16 A Nominal output voltage 220–240 VAC Output connectors (36) IEC-309-C13 (6) IEC-309-C19 Cord length 0.91 m (3.00 ft) Max output current (outlet) 10 A–IEC-309-C13 16 A–IEC-309-C19 Max output current (phase) 16 A Max input current (phase) 16 A Nominal input voltage 230/400 VAC, 3-phase Acceptable input voltage ±10% of normal voltage Input frequency 50/60 Hz Physical Dimensions (H dimensions (H x W x D) 213.36 x 15.24 x 12.7 cm (84.00 x 6.00 x 5.00 in) Weight 5.4 kg; complete in all respect.</p> | <p>As per requirements</p> | |
| | | <p>S/F & COMMISSIONING of Dual Core 700mhz CPU 512MB DRAM NAS Hardware of Two (2) Serial ATA II channels Hot swappable trays Two (2) Ethernet ports Two (2) USB 3.0 ports One (1) USM port 256MB flash memory for OS Lock; HDDISK 8*8TB Network Protocols CIFS/SMB for Windows AFP 3.3 for Mac OS 9/X NFS v2/v3 for Linux and UNIX HTTP/S for Web browsers FTP/S RSYNC ISCSI target support for Windows, Mac and UNIX/Linux initiators (available on 2-/4-bay) Network Services DHCP or static IP address assignment NTP server synchronization IEEE 802.3ad LACP support for load balancing and failover Print server RAID Multiple volume support for RAID 0, 1, 5, 10 RAID 0, 1 and JBOD for 2-bay Hot swappable disks (only on 4-bay) Hot spare disk support RAID volume expansion RAID migration. complete in all respect.</p> | <p>As per requirements</p> | |
| | | <p>Supply & Installation/Erection of Triangular Guied MAST/Tower; 60 Meter Height (App.); X* 10 Feet Truss; 2”Ø; SWG: 16 Main ms pipe frame; 1/2” Ø Deformed steel members; one side ladder; 1/2” Ø Galvanized coupling bolts with nuts/washers; 3x coats of enemal [1x Red, 1x White]; 10mm flexible guyed wires (Imported) high quality turn buckles & U-Clamps; 2x Red warning lights [1x active, 1x backup] with photocell & 1.5² mm 2-core CU/PVC/PVC Power Cable; Civil work required for guyed Mast Installation; 1x Foundation & 3x Side stays; 1:1.5:3 concrete ratio including re-enforcement 1/2” Ø MS Deformed steel bars; Including cost of anchor bolts with nuts/washers & hooks for Guyed wires; complete in all respect.</p> | <p>As per requirements</p> | |

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| | | S/F & COMMISSIONING Processor 24KC 400mhz; 64MB SDRAM, 8MB Flash; Interface 1x10/100 BASE-TX (cat.6, RJ-45); Wireless FCC Part 15.247, IC RS210, CE, RoHS Compliance YES; Enclosure Size: 16cm length x8cm width x3cm height, weight 05.kg, RF connector 2x RPSMA (waterproof), Outdoor UV stabilized Plastic; Mounting Kit Pole (Kit included); Power consumption 8 Watts, Supply 24V, 1A POE Supply included; Passive Power Over (4,5:7,8 return); Operating temperature -30C to 75C, Humidity 5 to 95%; Shock vibration ETSI300-019-1.4; Frequency 5470-5825Mhz | As per requirements | |
| | | S/F & COMMISSIONING of Booster/Dish Dimensions: 650 x 650 x 386 mm (25.6 x 25.6 x 15.2"); Weight: 7.4 kg (16.31 lb); Frequency Range: 5.1 - 5.9 GHz; Gain: 30 dBi; HPOL Beamwidth: 5.8° (3 dB); VPOL Beamwidth: 5.8° (3 dB); F/B Ratio: 30 dB: Max. VSWR; Wind Loading: 790 N @ 200 km/h (178 lbf @ 125 mph); Wind Survivability: 200 km/h (125 mph); Polarization: Dual Linear; Cross-pol Isolation: 35 dB Min.; ETSI Specification: EN 302 326 DN2 | As per requirements | |
| | | <ul style="list-style-type: none"> • Must match the exact technical specifications • Must provide Authorization letters from distributors for necessary items. | | |
| 02 | Desktop PCs | Core i5, latest generation, processor 3.2 Ghz min. L3 cache 6MB or more, 8GB RAM DDR4, 1TB HDD, Gigabit 10/100/1000 LAN 1G WLAN Adapters, 02 Gigabit network cards, Standard LED Screen with wireless Keyboard & Mouse, Onsite/parts/labor 1-year local warranty | As per requirements | |
| 03 | USB | Genuine 64 GB with one-year local warranty | As per requirements | |
| 04 | RAM, SSD | 4GB DDR4, Compatible for HP-15 Core i5 8 th Gen, HP-450 G6 9 th Gen, HP-400 G6 9 th Gen, Dell E7440 | As per requirements | |
| | | 512 GB SSD with warranty, compatible with laptops & desktop computers | | |
| Category B | | Plant & Machinery | | |
| 01 | Mosquito Repellant | UV light and octanol, Non-Pollution, Healthful, Lightweight, two 20-WATT Tubes replaceable, Removable washable tray for collecting dead insects | As per requirements | |
| 02 | DSLR Camera | 24.2 Megapixels DX-Format CMOS Sensor EXPEED 4 Image Processor, No Optical Low-Pass Filter, Native ISO 100-25600, 5 FPS Shooting 3.0' 921k-Dot LCD Monitor, Full HD 1080p Video Recording at 60 FPS, Multi Cam 1000 11-Point AF System, Snap Bridge Bluetooth Connectivity, Guide mode and Special Effects, AF-P DX 18-55mm F/3.5-5.56G VR Lens, MH-24 Quick Charger, English language supported. | 01 | |
| 03 | Petrol Generator 5.5KVA | Output Capacity: 5KVA, Fuel: Petrol, Fuel Tank Capacity 24 Litre, Continuous Operating 8 Hours, Fuel Consumption 2.4 Litre/hour. | 01 | |
| 04 | Electric Type Writer | <ul style="list-style-type: none"> • Portable electronic typewriter. • One-line correction memory. • Word and character erase. • Automatic centering, underlining and carriage return. 13-inch carriage and 9-inch print width. Standard Warranty | 01 | |
| Category C | | Hardware | | |
| 01 | Sheet Fed Scanner | Throughput Speeds (Colour) | 70 ppm/140ipm on colour at 300 dpi Duplex or higher, Straight Paper Path with Legal Size Book Edge Flatbed (Detachable). Scanner must Read Barcode for file tracking. | 01 |

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| | | Paper Thickness and Weight | Minimum 27 For Thin Documents like Bank Deposit slips & Maximum 433 g/m ² For Thick documents like Hard Card educational certificate, ID card thickness: up to 1.4 mm 0.55 in. | |
| | | Operator Control Panel | 3.5-inch/89 mm colour touch screen LCD for Multiple user selection. | |
| | | Daily Duty Cycle | Up to 10,000 pages per day | |
| | | Document Feeding Capacity | Up to 80 sheets of 80 g/m ² (20 lb.) paper Handles small documents such as A8, ID cards, embossed hard cards, and insurance cards (portrait and landscape orientations) | |
| | | Connectivity | USB 3.2 GEN1 | |
| | | Brands | USA, Japan, & Europe only | |
| | | OEM Certification | Bidder should provide MAL Letter from manufacturer in favour of procuring authority. | |
| | | Warranty | 1 year | |
| 02 | Snap Shot Scanner | Image Sensor | 21-Megapixel CMOS or above Max Shooting Area, A3 | 01 |
| | | Output DPI | A3 (Approx. 260dpi)/ A4 (Approx. 350dpi) | |
| | | Output Format Picture | JPG, TIFF, BMP, PDF (Image), PDF (Searchable), PDF (Text), Excel, Word, Text, E-Book, EPUB, must read Barcode and QR code. | |
| | | OEM Certification | The Bidder should provide MAL Certificate from OEM in favour of procuring authority in which OEM should undertake the warranty period. | |
| | | Warranty | 1 year | |
| Category D | | Furniture | | |
| 01 | Podium | Podium with Bluetooth, Mic, USB enabled ports, Standard Size, Latest with multiple functionalities. <ul style="list-style-type: none"> Must provide specimen | | 01 |
| 02 | Wooden Rack | Wooden rack for amplifier and speakers with glass door in front, lock and cavities from back side for cables. | | 01 |
| | | Length | 2 feet | |
| | | Height | 1 foot 8 inches (2 rows, first row 6 inches while second row 1 foot 2 inches) | |
| | | width | 2 feet | |
| Category E | | Other Items | | |
| 01 | Plastic Boxes | Plastic boxes for files with lid and handle Height: 15 inches, Width: 16 inches, Depth: 17 Inches <ul style="list-style-type: none"> Firms must provide sample on the opening date of tender | | 50 with green, 50 with red lid, handle and buckle |