

Government of Pakistan
Ministry of Federal Education and Professional Training

SPECIFICATION OF COMPUTER HARDWARE/IT EQUIPMENT

Sr #	Item	Specification	Qty.																						
1.	LEDs 65 inch	Smart Android LED 65 inch. Samsung, TCL or Equivalent.	04																						
2.	Split Air Conditioner (Invertor)	Split Air Conditioner 1.5 ton Inverter. Kenwood, Gree or Equivalent.	02																						
3.	ADF Scanner	<p>Kodak, Canon or Equivalent.</p> <table border="1"> <tr> <td>Scanner Type</td> <td>ADF Straight Path, Sheet Fed, Duplex Color Scanner , with support for Flatbed</td> </tr> <tr> <td>Scanning Speeds</td> <td>ADF 45 ppm/90 ipm or higher. Please specify ppm and dpi rate clearly in quoted documents)</td> </tr> <tr> <td>Operator Control Panel</td> <td>User Friendly.</td> </tr> <tr> <td>Paper Thickness & Weight</td> <td>30–400 g/m² (20 % marginal difference acceptable)</td> </tr> <tr> <td>Recommended daily volume</td> <td>3000 or higher number of pages</td> </tr> <tr> <td>Document Feeding Capacity</td> <td>60 sheets (25 lb./80 g/m²) or higher</td> </tr> <tr> <td>Scan able Media Type</td> <td>Paper (plain, inkjet, handwriting), Envelopes, Labels, Business cards, Insurance cards, Plastic cards, ID cards, Credit cards, Greeting and Wish cards, recycled paper, Photographs etc.</td> </tr> <tr> <td>Connectivity</td> <td>USB 2.0/3.0 compatible or higher</td> </tr> <tr> <td>Imaging Features</td> <td>Background color smoothing, Brightness and Contrast control, Auto color balance, Auto contrast, brightness and color balance, Multiple Dual Stream, Color drop out, Image merging Fixed Cropping, Relative Cropping, Multi-Lingual Auto Orientation, Orthogonal Rotation, , Remove Border, bar code reading. (Better feature will relax the mentioned features).</td> </tr> <tr> <td>OS Compatibility</td> <td>Windows Family, Linux Family, MAC OS with support for latest version.</td> </tr> <tr> <td>File Format Outputs</td> <td>Single and multi-page TIFF (Single page ,multi-page, compressed , JPEG, RTF, BMP, PDF, searchable PDF, PNG & MS Word/Excel etc.</td> </tr> </table>	Scanner Type	ADF Straight Path, Sheet Fed, Duplex Color Scanner , with support for Flatbed	Scanning Speeds	ADF 45 ppm/90 ipm or higher. Please specify ppm and dpi rate clearly in quoted documents)	Operator Control Panel	User Friendly.	Paper Thickness & Weight	30–400 g/m ² (20 % marginal difference acceptable)	Recommended daily volume	3000 or higher number of pages	Document Feeding Capacity	60 sheets (25 lb./80 g/m ²) or higher	Scan able Media Type	Paper (plain, inkjet, handwriting), Envelopes, Labels, Business cards, Insurance cards, Plastic cards, ID cards, Credit cards, Greeting and Wish cards, recycled paper, Photographs etc.	Connectivity	USB 2.0/3.0 compatible or higher	Imaging Features	Background color smoothing, Brightness and Contrast control, Auto color balance, Auto contrast, brightness and color balance, Multiple Dual Stream, Color drop out, Image merging Fixed Cropping, Relative Cropping, Multi-Lingual Auto Orientation, Orthogonal Rotation, , Remove Border, bar code reading. (Better feature will relax the mentioned features).	OS Compatibility	Windows Family, Linux Family, MAC OS with support for latest version.	File Format Outputs	Single and multi-page TIFF (Single page ,multi-page, compressed , JPEG, RTF, BMP, PDF, searchable PDF, PNG & MS Word/Excel etc.	01
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4.	Printer LaserJet Duplex	<p>HP Printer 402 DN or Equivalent.</p> <table border="1"> <tr> <td>Technology</td> <td>Laser Print (dn: Duplex & Network Printing) or higher</td> </tr> <tr> <td>Print Speed (Black)</td> <td>35 - 40 ppm</td> </tr> <tr> <td>Processor Speed</td> <td>1200 MHz</td> </tr> <tr> <td>Memory Standard</td> <td>128 - 256 MB</td> </tr> <tr> <td>Print Resolution</td> <td>1200 x 1200 dpi</td> </tr> <tr> <td>Ports</td> <td>USB 2.0, 1 Host USB, 1 Gigabit Ethernet 10/100/1000T network</td> </tr> <tr> <td>Protocol</td> <td>TCP/IP (FTP, SMB, SMPT, WebDAV) (IPv4/IPv6)</td> </tr> <tr> <td>Warranty</td> <td>01 Year with parts and Labour</td> </tr> </table>	Technology	Laser Print (dn: Duplex & Network Printing) or higher	Print Speed (Black)	35 - 40 ppm	Processor Speed	1200 MHz	Memory Standard	128 - 256 MB	Print Resolution	1200 x 1200 dpi	Ports	USB 2.0, 1 Host USB, 1 Gigabit Ethernet 10/100/1000T network	Protocol	TCP/IP (FTP, SMB, SMPT, WebDAV) (IPv4/IPv6)	Warranty	01 Year with parts and Labour	10						
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