

Annex “I”

LOT 4. ICT AND OFFICE EQUIPMENT

QUANTITY	TECHNICAL SPECIFICATIONS																																													
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5	NOTEBOOK COMPUTERS
3	<p>Processor 1.4GHz quad-core 8th-generation Intel Core i5 processor Turbo Boost up to 3.9GHz</p> <p>Storage 128GB SSD storage</p> <p>Memory 8GB of 2133MHz LPDDR3 onboard memory Configurable to 16GB of memory</p> <p>Touch Bar Touch Bar with integrated Touch ID sensor</p> <p>Display Retina display 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050 1440 by 900 1024 by 640 500 nits brightness Wide color (P3) True Tone technology</p> <p>Graphics Intel Iris Plus Graphics 645</p> <p>Charging and Expansion Two Thunderbolt 3 (USB-C) ports with support for: Charging DisplayPort Thunderbolt (up to 40Gb/s) USB 3.1 Gen 2 (up to 10Gb/s)</p> <p>Keyboard and Trackpad Full-size backlit keyboard with: 64 (U.S.) or 65 (ISO) keys including 4 arrow keys Touch Bar with integrated Touch ID sensor Ambient light sensor Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures</p> <p>Wireless Wi-Fi 802.11ac Wi-Fi wireless networking IEEE 802.11a/b/g/n compatible Bluetooth Bluetooth 5.0 wireless technology</p> <p>Camera 720p FaceTime HD camera</p> <p>Video Support Simultaneously supports full native resolution on the built-in display at millions of colors and: One display with 5120-by-2880 resolution at 60Hz at over a billion colors Up to two displays with 4096-by-2304 resolution at 60Hz at millions of colors</p>

	<p>Up to two displays with 3840-by-2160 resolution at 60Hz at over a billion colors Thunderbolt 3 digital video output Native DisplayPort output over USB-C VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters (sold separately) Audio Stereo speakers with high dynamic range Three microphones 3.5 mm headphone jack Battery and Power Up to 10 hours wireless web Up to 10 hours iTunes movie playback Up to 30 days of standby time Built-in 58.2-watt-hour lithium-polymer battery 61W USB-C Power Adapter Size and Weight Height: 1.49 cm Width: 30.41 cm Depth: 21.24 cm Weight: 1.37 kg Operating System macOS macOS is the operating system that powers every Mac. macOS Catalina gives you more of everything you love about Mac. So you can take everything you do above and beyond. In the Box 13-inch MacBook Pro 61W USB-C Power Adapter USB-C Charge Cable (2 m) MS OFFICE 2016 or later</p>
<p>2</p>	<p>Operating System : Windows 10 Home Processor : Intel Core i7-8565U Processor (8M Cache, up to 4.6 GHz) Graphics : 2GB NVIDIA GeForce MX250 Display : 14-inch (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel Memory : 4GB DDR4 2400 Keyboard : Illuminated chiclet keyboard Storage : 1TB HDD + 500GB SSD Connectivity : Integrated Wi-Fi 5 (802.11 ac (2x2)) Ports : 1 x COMBO audio jack 1 x Type-A USB2.0 1 x Type-A USB 3.0 (USB 3.1 Gen 1) 1 x Type-C USB 3.0 (USB 3.1 Gen 1 / Gen 2) 1 x HDMI Battery : 2 -Cell 37 Wh Battery Webcam : HDWebcam MS OFFICE 2016 or later</p>
<p>5</p>	<p>DESKTOP COMPUTERS</p>
<p>3</p>	<p>Intel Core 2 Duo 2.4GHz 6MB shared L2 cache at full processor speed 1066MHz frontside bus 1GB memory 250GB Serial ATA 7200-rpm hard drive 8x double-layer SuperDrive ATI Radeon HD 2400 XT with 128MB memory</p>

	Mac OS X v10.5 Leopard Built-in 20-inch (viewable) glossy widescreen TFT active-matrix liquid crystal display MS OFFICE 2016 or later UPS 1KVA
2	<p>Processor : Intel Core i5-7400 Processor (6M Cache, up to 3.50 GHz)</p> <p>Memory : 8GB DDR4 SDRAM</p> <p>Hard Drive : 128GB Solid State Drive + 1TB 3.5-inch 7200 RPM</p> <p>Optical Drive : 8X DVD-Writer, 9.0 mm slim, tray-load</p> <p>Graphics : AMD Radeon RX 480 4 GB GDDR5 (supporting: HDMI, 3x DisplayPort) VR (Virtual Reality) Ready</p> <p>Webcam : N/A</p> <p>Card Reader : Yes</p> <p>Audio : Integrated high-definition, 5.1-channel surround sound</p> <p>Networking : WLAN 802.11ac/a/b/g/n wireless LAN and Bluetooth 4.0 LE LAN Gigabit Ethernet</p> <p>I/O Ports : Front/Side I/O connectors Card reader: Yes Audio jack(s): 2 USB 3.0 port(s): 2 Rear I/O connectors HDMI port(s): 1 (out) DisplayPort (DP) ports: 1 LAN port(s): 1 Audio jack(s): 3 USB 2.0 port(s): 2 USB 3.0 port(s): 4</p> <p>Expansion Slots : Number of PCIe x16 slot(s): 1 Number of PCIe x1 slot(s): 2 M.2 slot (for SSD): 1 M.2 slot (for WLAN): 1</p> <p>Power Supply and Adapter : 500 W PFC (EuP), auto-sensing, 80PLUS Bronze, ATX</p> <p>Keyboard and Mouse : USB Keyboard and Mouse</p> <p>Speakers : USB Speakers</p> <p>Hinge : N/A</p> <p>Accessory : DVI to VGA</p> <p>Display : GN246HL Bbid Size: 24" 16:9 Input: VGA, DVI, HDMI (VGA & HDMI Cable) Max Res.: 1920x1080 Technology: Colors: 16.7 Million Glare: No Response Time: 1ms</p> <p>Operating System : Windows 10 SL 64 Bit</p> <p>Warranty : 1 Year Parts - 1 Year Labor Only MS OFFICE 2016 or later UPS 1KVA</p>

<p>2</p>	<p>LCD PROJECTOR</p> <p>Front/Side Ports : Card reader: Yes Audio jack(s): 2 USB 3.0 port(s): 2 Rear I/O Ports : HDMI port(s): 2 (out) LAN port(s): 1 Audio jack(s): 3 USB 2.0 port(s): 4 USB 3.0 port(s): 1" Number of PCIe x16 slot(s): 1 Number of PCIe x1 slot(s): 1 M.2 slot (for SSD): 1 M.2 slot (for WLAN): 1 Power Supply : 300W CR Accessories : Wired Keyboard and mouse Display port : DVI to D-Sub Monitor : Acer R231 bmid 23" Monitor VGA + DVI + HDMI Operating System : Win 10 SL 64 Bit Warranty : 1 Years Part - 1 Years Labor Only (1-1-0)</p>
<p>1</p>	<p>3D PRINTER WITH ACCESSORIES</p> <p>3D printer 12" Dimensions: 193X193X23.2 in Build Volume: 11.8X11.8X11.8in Technology: LPD Layer Resolution: 140- 300microns Wall Thickness: 800microns Material Diameter: 1.75mm Nozzle Diameter: 0.40mm Extruder Max Temp.: 380°C Heated Platform Connectivity: SD Card</p>
<p>1</p>	<p>ALL IN ONE TANK SYSTEM PRINTER</p> <p>Printing Technology:</p> <p>Print Method: Precision Core Print Head Maximum Print Resolution: 4,800 x 1,200 dpi Minimum Ink Droplet Volume: 2.8pl Printer Language: ESC/P-R Automatic Duplex Printing: Yes, up to A3 size Control Panel: 4.3" TFT Colour LCD</p>

Print Speed:

Draft, A4 (Black / Colour):

Up to 32 ppm / 20 ppm

ISO 24734, A4 Simplex (Black / Colour):

Up to 18 ipm / 10 ipm

ISO 24734, A4 Duplex (Black / Colour):

Up to 8.7 ipm / 6.0 ipm

ISO 24734.2, A3 Simplex (Black / Colour):

Up to 10 ipm / 6.0 ipm

ISO 24734.2, A3 Duplex (Black / Colour):

Up to 6.0 ipm / 3.7 ipm

Photo Default:

Approx. 42 sec per photo (with Border)

Copy Function:

Copy Resolution:

600 x 600 dpi

Max Copies:

999 copies

Reduction / Enlargement:

25 - 400%, Auto Fit Function

Maximum Copy Size:

A3