



## BIDS AND AWARDS COMMITTEE

Re-Bidding for One (1) Lot - Supply and Delivery of Various I.T. Equipment

### SUPPLEMENTAL BID BULLETIN NO. 01 07 December 2017

This Supplemental Bid Bulletin No. 01 is issued to clarify issues in the Bidding Documents. This shall form an integral part of the Bid Documents.

1. Section VII. Technical Specifications

- Amended Technical Specifications, specifically item nos. 7 and 28, pages 70 and 82 are attached in this supplemental bid bulletin.

2. Section VIII. Bidding Forms

- Amended form on page 95 and Checklist of Eligibility and Technical Requirements for Bidders Class "A" Documents on page 98 are attached in this supplemental bid bulletin.

For guidance and information of all concerned

  
**JOSEFINO I. TORRES**  
Chairman

# Technical Specifications

Item	Specification	Statement of Compliance
		<p>Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to</p>

		the provisions of <b>ITB Clause 3.1(a)(ii)</b> and/or <b>GCC Clause 2.1(a)(ii)</b> .
<b>1.</b>	<p><b><u>Laptop Computer Branded (9 units)</u></b></p> <p>Processor: 7th Gen. Intel Core i7-7500U Processor 2.70 GHz (4M Cache. up to 3.50 GHz)  Operating System: Windows 10  Graphics: 2 GB  Memory : 8 GB  Hard Drive: 1 TB  Display: 15.6-inch HD (1366 x 768) Display  Optical Drive: Super Multi DVD  Connectivity: 802.11 ac wireless LAN adapter, Bluetooth v4.2  Connectors: 2 x USB 3.0, 1 x USB 2.0, 1 x USB Connector Type-C, 1 x VGA, 1 x HDMI, 1 x RJ-45 Gigabit LAN, 1 x SD Card Reader  Accessories: Carry Bag  Warranty: At least (1) One Year Warranty</p>	
<b>2.</b>	<p><b><u>Laptop Computer Branded (1 unit)</u></b></p> <p>Processor: 1.6 GHz dual-core Intel Core i5 (Turbo Boost up to 2.7 GHz) with 3MB shared L3 cache  Operating System: macOS Sierra  Graphics: Intel HD Graphics 6000  Memory : 8 GB of 1600MHz LPDDR3 onboard memory  Hard Drive: 128 GB PCIe-based flash storage  Audio: Stereo speakers Dual microphones 3.5 mm headphone jack  Display: 13.3-inch (diagonal) LED-backlit glossy widescreen display with support for millions of colors  Connectivity: 802.11 ac Wi-Fi wireless networking, IEEE 802.11 a/b/g/n compatible Bluetooth 4.0 wireless technology  Camera: 720p FaceTime HD camera  Connectors: Two USB 3 ports (up to 5 Gbps) Thunderbolt 2 port (up to 20 Gbps) MagSafe 2 power port SDXC card slot 3.5 mm headphone jack  Accessories: Carry Bag  Warranty: At least (1) One Year Warranty</p>	
<b>3.</b>	<p><b><u>External Hard Drive 1 TB (5 units)</u></b></p> <p>Capacity: 1 TB  Interface: USB 2.0 or higher  Compatibility: Windows/Mac  Includes : USB Cable, Soft Pouch  Warranty: At least (1) One Year Warranty</p>	
<b>4.</b>	<p><b><u>External Hard Drive 2 TB (2 units)</u></b></p> <p>Capacity: 2 TB  Interface: USB 2.0 or higher</p>	

	<p>Compatibility: Windows/Mac Includes : USB Cable, Soft Pouch Warranty: At least (1) One Year Warranty</p>	
<b>5.</b>	<p><b><u>Desktop Computer Branded (19 units)</u></b> Processor: Intel Core i7-6700 3.40 GHz Processor (8M Cache. up to 4.00 GHz) Operating System: Windows 10 Graphics: 2 GB Memory : 8 GB Hard Drive: 1 TB Display: 21.5-inch LED Monitor Optical Drive: DVD Recordable Connectivity: WiFi 802.11 a/c, Bluetooth 4.0 Audio: 5.1 Channel Surround Sound Connectors: 2 x USB 3.0, 4 x USB 2.0, 3-in-1 Audio (Mic-in, Line-in, Line-out), LAN 10/100/1000, 1 x VGA, 1 x HDMI, 7-in-1 Multi Card Reader, 2 Audio (Mic-in, Line-out) Accessories: USB Keyboard and Mouse Includes: AVR Warranty: At least (1) One Year Warranty</p>	
<b>6.</b>	<p><b><u>Desktop Computer Branded (2 units)</u></b> Operating System: Windows 10 Processor: Intel Core i5-4460 Processor 3.2GHz (6M Cache, up to 3.40GHz) Memory : 8GB DDR3L 1600 MHz UDIMM; Dual-channel Storage : 1 TB 3.5-inch 7200 RPM Optical Drive: 8X Super-Multi Drive, 9.0 mm slim, tray-load Audio : Integrated high-definition, 5.1-channel surround sound Connectivity: WLAN 802.11 b/g/n wireless LAN and Bluetooth® 4.0 LE LA Gigabit Ethernet F/S I/O Ports: Card reader: Yes Audio jack(s): 2 USB 3.0 port(s): 2 Rear I/O Ports: D-Sub port(s): 1 HDMI-port(s): 1 LAN port(s): 1 Audio jack(s): 3 USB 2.0 port(s): 4 Number of PCIe x1 slot(s): 1 Mini PCI Express® slot(s): 1 Power: 300 W PFC (EuP), auto-sensing, 80PLUS Bronze, ATX Accessories: USB Keyboard, Mouse and Speakers Display: 23-inch LED Monitor Warranty: 1 Year Parts - 1 Year Labor Only (1-1-0)</p>	
<b>*7.</b>	<p><b><u>Desktop Computer Branded (32 units)</u></b> Processor: Intel Core i7-6700 Processor 3.4GHz (8M Cache, up to 4.00GHz) Operating System: Windows 10 <i>Graphics: 2 GB*</i> Memory: 4 GB Hard Drive: 1 TB Display: 21.5-inch LED Monitor</p>	

	<p>Optical Drive: DVD Recordable  Connectivity: Gigabit Ethernet 10/100/1000  Audio: 5.1 Channel Surround Sound  Connectors: 6 x USB 3.0. 4 x USB 2.0. 3-in-1 Audio (Mic-in, Line-in, Line-out)  LAN, 1 x VGA, 1 x HDMI, Multi-in-1 Card Reader.  2 Audio (Mic-in, Line-out)  Accessories: USB Keyboard and Mouse  Includes : AVR  Warranty: At least (1) One Year Warranty</p>	
<p><b>8.</b></p>	<p><b><u>3 In 1 Printer Branded (7 units)</u></b>  Printing Technology  Printing Method : Precision Core Print Head  Maximum Print Resolution: 4800 x 1200 dpi  Minimum Ink Droplet Volume : 3.3pl  Automatic Duplex Printing: Yes  Print Speed  Draft, A4 (Black / Colour): Up to 33ppm / 20ppm  ISO 24734, A4 Simplex (Black / Colour): Up to 13.7ipm / 7.3ipm  ISO 24734, A4 Duplex (Black / Colour): Up to 6.5ipm / 4.5ipm  Copy Function  Copy Resolution: 600 x 600 dpi  Max Copies: 99 copies  Reduction / Enlargement: 25 – 400%, Auto Fit Function  Maximum Copy Size: A4  Copy Speed  ISO 29183, A4 Flatbed (Black / Colour): Approx. 11ipm / 5.5ipm  Scan Function  Scanner Type: Flatbed colour image scanner  Sensor Type: CIS  Optical Resolution: 1,200 x 2,400 dpi  Scanner Bit Depth (Colour): 48-bit internal, 24-bit external  Scanner Bit Depth (Grayscale): 16-bit internal, 8-bit external  Scanner Bit Depth (Black &amp; White): 16-bit internal, 1-bit external  Max Document Size: 216 x 297 mm (8.5 x 11.7")  Scan Speed  Flatbed (Black / Colour): 300 dpi: 12 sec / 27 sec  Paper Handling  Number of Paper Trays: 1  Standard Paper Input Capacity: Up to 150 sheets  Output Capacity: Up to 30 sheets  Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")  Paper Sizes: Legal, Letter, A4, B5, A5, A6, 5x7", 4x6"  Envelopes: #10, DL, C6, C4  Connectivity  Standard: USB 2.0  Network: Ethernet, Wi-Fi, Wi-Fi Direct  Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10  Windows Server 2003 / 2008 / 2012  Consumables  Standard Capacity Black: 6,000 pages – 774  Standard Capacity Cyan: 6,500 pages (Composite Yield) – 664  Standard Capacity Magenta: 6,500 pages (Composite Yield) – 664  Standard Capacity Yellow: 6,500 pages (Composite Yield) – 664  Warranty: At least (1) One Year Warranty</p>	

<p><b>9.</b></p>	<p><b><u>Check Printer Branded (1 unit)</u></b>          Printing Technology          Print Method: On-demand ink jet (Piezoelectric)          Maximum Print Resolution: 5,760 x 1,440 dpi          Minimum Ink Droplet Volume: 3 pl          Automatic Duplex Printing: No          Print Speed          Draft, A4 (Black / Colour): Up to 33 ppm / 15 ppm          ISO 24734, A4 Simplex (Black / Colour): Up to 9.2 ipm / 4.5 ipm          Copy Function          Max Copies: Approx. 69 sec per photo          Maximum Copy Size: A4, Letter          Copy Speed          Draft, A4 (Black / Colour): Approx. 5.0sec / 10sec          Scan Function          Scanner Type: Flatbed colour image scanner          Sensor Type: CIS          Optical Resolution: 1,200 x 2,400 dpi          Scanner Bit Depth (Colour): 48-bit internal, 24-bit external          Scanner Bit Depth (Grayscale): 16-bit internal, 8-bit external          Scanner Bit Depth (Black &amp; White): 16-bit internal, 1-bit external          Max Document Size: 216 x 297mm (8.5 x 11.7")          Scan Speed          Flatbed (Black / Colour): 300 dpi: 11 sec / 28 sec          Paper Handling          Number of Paper Trays: 1          Standard Paper Input Capacity: Up to 100 sheets          Output Capacity: Up to 30 sheets          Maximum Paper Size: 215.9 x 1117.6mm (8.5 x 44")          Paper Sizes: A4, A5, A6, B5, 10 x 15cm (4x6"), 13 x 18cm (5 x 7"),          9 x 13cm (3.5x5"), Letter, Legal, Half Letter (5.5x8.5"),          13 x 20cm (5x8"), 20 x 25cm (8 x 10"), 16:9 wide size,          100 x 148mm          Envelopes: #10 (4.125 x 9.5"), DL (110 x 220mm), C6 (114 x 162mm)          Connectivity          Standard: USB 2.0          Network: Wi-Fi          Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10          Mac OS X 10.6.8 or later          Consumables          Standard Capacity Black: 4,500 pages - 664          Standard Capacity Cyan: 7,500 pages (Composite Yield) - 664          Standard Capacity Magenta: 7,500 pages (Composite Yield) - 664          Standard Capacity Yellow: 7,500 pages (Composite Yield) - 664          Warranty: At least (1) One Year Warranty</p>	
<p><b>10.</b></p>	<p><b><u>Colored Inkjet Printer (4 units)</u></b>          Printing Technology          Printing Method: On-demand ink jet (Piezoelectric)          Maximum Print Resolution: 5,760 x 1,440 dpi          Minimum Ink Droplet Volume: 3 pl          Automatic Duplex Printing: No          Print Speed          Draft, A4 (Black / Colour): Up to 33 ppm / 15 ppm          ISO 24734, A4 Simplex (Black / Colour): Up to 9.2 ipm / 4.5 ipm          Paper Handling          Number of Paper Trays: 1</p>	

	<p>Standard Paper Input Capacity: Up to 100 sheets  Output Capacity: Up to 30 sheets  Maximum Paper Size: 215.9 x 1117.6mm (8.5 x 44")  Paper Sizes: A4, A5, A6, B5, 10x15cm (4x6"), 13x18cm (5x7"), 9x13cm (3.5x5"), Letter, Legal, Half Letter (5.5x8.5"), 13x20cm (5x8"), 20x25cm (8x10"), 16:9 wide size, 100x148mm  Envelopes: #10 (4.125x9.5"), DL (110x220mm), C6 (114x162mm)  Connectivity  Standard: USB 2.0  Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10  Mac OS x 10.6.8 or later  Consumables  Standard Capacity Black: 4,500 pages - 664  Standard Capacity Cyan: 7,500 pages (Composite Yield) – 664  Standard Capacity Magenta: 7,500 pages (Composite Yield) – 664  Standard Capacity Yellow: 7,500 pages (Composite Yield) – 664  Warranty: At least (1) One Year Warranty</p>	
<p><b>11.</b></p>	<p><b><u>Colored Inkjet Printer (2 units)</u></b>  Functions : Print, copy, scan, wireless  Printing Specifications  Print speed black: ISO: Up to 8 ppm  Print speed color: ISO: Up to 5 ppm  : Draft: Up to 16 ppm  First page out (ready): Black: As fast as 13 sec  Color: As fast as 17 sec  Duty cycle (monthly, A4): Up to 1000 pages  Recommended monthly page volume: 400 to 800  Printer technology: Thermal Inkjet  Print quality (best): Color: Up to 4800 x 1200 optimized dpi color  : Black: Up to 1200 x 1200 rendered dpi  Number of print cartridges: 1 black bottle, set of 3 color bottles  Connectivity  Wireless capability: Yes  Connectivity, standard: 1 Hi-Speed USB 2.0  Compatible operating systems: Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Vista, Windows XP SP3 (32) bit  OS x v10.8 Mountain Lion, OS x v10.9 Mavericks, OS x v10.10 Yosemite  Paper handling  Paper handling input, standard: 60-sheet input tray  Paper handling output, standard: 25-sheet output tray  Duplex printing: Manual  Media sizes supported: A4, B5, A6, DL envelope  Media sizes custom: 76.2 x 127 to 215 x 355 mm  Media types: Plain paper, Photo paper, Brochure paper  Scanner specifications  Scanner type: Flatbed  Scan file format: JPEG, TIFF, PDF, BMP, PNG  Scan resolution, optical: Up to 1200 dpi  Bit depth: 24-bit  Scan size, maximum: 216 x 297 mm  Copier specifications  Copy resolution (black text): Up to 600 x 300 dpi</p>	

	<p>Copy resolution (color text and graphics): Up to 600 x 300 dpi  Copies reduce / enlarge settings: fit to page  Copies, maximum: Up to 9 copies  Warranty: At least (1) One Year Warranty</p>	
<b>12.</b>	<p><b><u>Colored Inkjet Printer with Wi-Fi (1 unit)</u></b>  Printing Technology  Printing Method: Precision Core Print Head  Maximum Print Resolution: 4800 x 1200 dpi  Minimum Ink Droplet Volume: 3.3pl  Automatic Duplex Printing: Yes  Print Speed  Draft, A4 (Black / Colour): Up to 33ppm / 20ppm  ISO 24734, A4 Simplex (Black / Colour): Up to 13.7ipm / 7.3ipm  ISO 24734, A4 Duplex (Black / Colour) : Up to 6.5ipm / 4.5ipm  Copy Function  Copy Resolution: 600 x 600 dpi  Max Copies: 99 copies  Reduction / Enlargement: 25 – 400%, Auto Fit Function  Maximum Copy Size: A4  Copy Speed  ISO 29183, A4 Flatbed (Black / Colour) : Approx. 11ipm / 5.5ipm  Scan Function  Scanner Type: Flatbed colour image scanner  Sensor Type: CIS  Optical Resolution: 1,200 x 2,400 dpi  Scanner Bit Depth (Colour): 48-bit internal, 24-bit external  Scanner Bit Depth (Grayscale): 16-bit internal, 8-bit external  Scanner Bit Depth (Black &amp; White): 16-bit internal, 1-bit external  Max Document Size: 216 x 297 mm (8.5 x 11.7")  Scan Speed  Flatbed (Black / Colour): 300 dpi: 12 sec / 27 sec  Paper Handling  Number of Paper Trays: 1  Standard Paper Input Capacity: Up to 150 sheets  Output Capacity: Up to 30 sheets  Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")  Paper Sizes: Legal, Letter, A4, B5, A5, A6, 5x7", 4x6"  Envelopes: #10, DL, C6, C4  Connectivity  Standard: USB 2.0  Network: Ethernet, Wi-Fi, Wi-Fi Direct  Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10  Windows Server 2003 / 2008 / 2012  Consumables  Standard Capacity Black: 6,000 pages – 774  Standard Capacity Cyan: 6,500 pages (Composite Yield) – 664  Standard Capacity Magenta: 6,500 pages (Composite Yield) – 664  Standard Capacity Yellow: 6,500 pages (Composite Yield) – 664  Warranty : At least (1) One Year Warranty</p>	
<b>13.</b>	<p><b><u>LaserJet Printer (4 units)</u></b>  Recommended Use: Plain Paper Print  Functions : Laser Printer  Display: 196 x 34 pixel graphic LCD  Print  Output Type: Monochrome</p>	



	<p>Laser Technology: Laser  Black Print Speed: Up to 26 ppm  Black Print Quality: 1200 x 1200 dpi  Color Print Quality: 1200 x 1200 dpi  Time To First Page (seconds): 8 sec.  Print Languages. std.: PCL 5c. PCL 6. PS. PCL.m. PDF  Duplex printing: Automatic  Max. Duty Cycle: Monthly duty cycle: Up to 15.000 pages  Recommended monthly print volume: 250 to 2000 pages  Media Handling  Paper Trays. std.: 1  Paper Trays. max. 1  Input Capacity. std.: 250 pages input tray  10 pages priority tray  Input Capacity. max.: 260 sheets  Output Capacity. std.: 150 pages  Output Capacity. max.: 260 sheets  Media Type: Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, transparencies, postcards  Media sizes supported: A4; A5; A6; B5; Postcards; Envelopes (C5, DL, B5)  Media sizes. custom: 250 pages input tray: 3.00" x 7.40" to 8.50" x 14.00"  Priority feed slot: 3.00" x 5.00" to 8.50" x 14.00"  Supported media weight: 16.00 to 43.00 lbs.  Media weights by paper path: 60 to 163 g/m2  Ports  USB Ports 1 Hi-Speed USB 2.0  Network Ports Ethernet 10/100BaseTX (RJ-45)  Other Ports HP ePrint Apple AirPrint  Connectivity Technology Wireless 802.11b/g/n  Hardware  Processor (MHz) 750  Memory. std. 128 MB  Memory. max. 128 MB  Power Requirements 110-volt input voltage: 110 to 127 VAC (+/- 10%),  60 Hz (+/- 2 Hz), 7 A  220-volt input voltage: 220 to 240 VAC (+/- 10%).  50 Hz (+/- 2 Hz), 4 A  Power Consumption 450 watts (Printing)  2.2 watts (Ready)  0.1 watt (Auto-Off)  0.1 watt (Manual-Off)  Compatibility  Windows all version  Warranty: At least (1) One Year Warranty</p>	
<p><b>14.</b></p>	<p><b><u>Inkjet Printer (1 unit)</u></b>  Printing Technology:  Print Method: On-demand ink jet (Piezoelectric)  Maximum Print Resolution: 720 x 720 dpi  Minimum Ink Droplet Volume: 3pl  Automatic Duplex Printing: No  Print Speed Draft. A4 (Black / Colour): Up to 8.5 ipm / 4.5 ipm  Paper Handling  Number of Paper Trays: 1  Standard Paper Input Capacity: Up to 50 sheets  Maximum Paper Size: 215.9x1117.6mm (8.5 x 44")  Connectivity:</p>	

	<p>Standard: USB 2.0</p> <p>Supported OS and Applications:</p> <p>Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10 Mac OS X 10.5.8 or later</p> <p>Electrical Specifications:</p> <p>Rated Voltage: AC 100 - 240V</p> <p>Rated Frequency: 50 - 60 Hz</p> <p>Operating: 10W</p> <p>Standby: 2.0W</p> <p>Sleep: 0.6W</p> <p>Power Off: 0.3W</p> <p>Noise Level:</p> <p>PC Printing / Plain Paper Default: 6.0 B(A), 47 dB(A)</p> <p>Dimensions and Weight:</p> <p>Dimensions (W x D x H): 461 x 215 x 130 mm</p> <p>Weight: 2.4kg</p> <p>Printer Software:</p> <p>Operating System Compatibility: Mac OS X 10.5.8 or later</p>	
<b>15.</b>	<p><b><u>LED Monitor 50 Inch (1 unit)</u></b></p> <p>Display Size: 50inch</p> <p>HDMI PORT: 3</p> <p>Technology: LED</p> <p>Resolution: 4K Ultra HD</p> <p>Wifi Ready: Yes</p> <p>Includes: Movable TV Rack</p> <p>Warranty: At least (1) One Year Warranty</p>	
<b>16.</b>	<p><b><u>Network Router (2 units)</u></b></p> <p>Standards: IEEE 802.11n, 802.11g, 802.11b, 802.3af, 802.3u, 802.1X (security authentication), 802.1Q (VLAN), 802.1D (Spanning Tree), 802.11i (WPA2 security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460)</p> <p>Ports: LAN Fast Ethernet auto sensing, DC jack 10BASE-T/100BASE-TX Ethernet, 12V DC power</p> <p>VLAN support: Yes</p> <p>Number of VLANs: 1 management VLAN plus 4 VLANs for Service Set ID (SSID)</p> <p>Multiple SSIDs: 4</p> <p>IPv6: Yes</p> <p>IPv6 host support</p> <p>IPv6 RADIUS, syslog, Network Time Protocol (NTP)</p> <p>WPA/WPA2/WEP: Yes, including Enterprise authentication</p> <p>Access control: Yes, management access control list (ACL) plus MAC ACL</p> <p>Secure management: HTTPS</p> <p>Wireless throughput: Up to 300 Mbps data rate (real-world throughput will vary)</p> <p>Frequency: Single-band 2.4 GHz</p> <p>WLAN: 802.11n</p> <p>Warranty: At least (1) One Year Warranty</p>	
<b>17.</b>	<p><b><u>Heavy Duty Access Point (2 units)</u></b></p> <p>Frequency: at least 2 GHz</p> <p>Throughput: at least 300 Mbps</p> <p>Range: 122 m (400 ft)</p> <p>Wi-Fi Standards: 802.11 b/g/n</p>	

	Power Supply: 48V, 0.5A PoE Adapter (Included) Passive PoE Warranty: At least (1) One Year Warranty	
<b>18.</b>	<p><b><u>NAS-4 BAY 20TB Drive (1 unit)</u></b>  Total Capacity: 20TB  4-Bay: 4 x 5TB  Dual Gigabit Network Interface  Failover and link aggregation  ARM 1.2GHz processor  512 MB DDRIII  Small desktop form factor Chassis  Power on/off button  System reset button (pinhole)  LED for power and disk activity  2 x USB 3.0 Ports  2 x 10/100/1000 Base-TX  Hot swappable HDD trays  RAID 0, 1, 5, 6, 10  Password authentication and access control  User, User group  System Management:  Web-based GUI  System resource monitoring (CPU, memory, network)  System configuration backup/restore  Alert Management and email notification  Software Supported Clients: Windows 7, 8 Mac OS X 10.6 and later, Linux/Unix  Warranty: At least (1) One Year Warranty</p>	
<b>19.</b>	<p><b><u>Developer Laptop (1 unit)</u></b>  OS: Sierra  13-inch display  Touch Bar and Touch ID  3.3GHz dual-core Intel Core i7 processor, Turbo Boost up to 3.6GHz  16GB 2133MHz memory  1TB PCIe-based SSD  Intel Iris Graphics 550  Four Thunderbolt 3 ports  Backlit Keyboard (US English) &amp; User's Guide (English)  With free Bluetooth mouse, VGA adapter  At least (1) One Year Warranty</p>	
<b>20.</b>	<p><b><u>Heavy Duty Scanner (1 unit)</u></b>  Type: Desktop sheetfed scanner  Scanning document size: Plain paper  Width: 54mm to 216mm (2" to 8.5")  Length: 50.8mm to 356mm (2.12" to 14")  Long Document mode up to 3.000mm (118.1")  Business card 50mm x 85mm (1.97" x 3.35") or larger  Card 53.9mm x 85.5mm (2.12" x 3.37") (ISO standard)  Scanning document thickness: Plain paper  Page separation: 27 to 209g/m2 (7 to 56lb bond)  0.04mm to 0.25mm (0.00157" to 0.00984")  Bypass: 27 to 255g/m2 (7 to 68lb bond)  0.04mm to 0.3mm (0.00157" to 0.0118")  Business card 380g/m2 (80lb bond) 0.15mm (0.0059") or smaller  Card 1.4mm (0.55") or smaller  horizontal feeding only</p>	