

Technical Specifications

Bidders must state “**Comply**” in the column “**Statement of Compliance**” against each of the individual parameters of each “Specifications.”

Lot 1 – ICT Equipment and Software Applications			
Item No.	Description	Qty.	Statement of Compliance
1	<p>Server Hardware</p> <p>At least (2.1GHz/8-core/85W) 16.5 MB L3 Cache At least 128GB (8x 16GB) 1Rx4 16 GB DDR4 SDRAM, Memory voltage: 1.20 V, Memory Speed: 2933 MHz NOTE: Runs at 2400 MT/s due to processor limitation. At least 12 DIMM slots per processor, 6 channels per processor At least Embedded 2-Port 1GbE At least 2 x 1TB SAS 12G Midline 7.2K SFF (2.5in) At least 8 SFF HDD Bays At least 2 PCIe: 1 x16 FH / 1 x8 LP At least 2x 500W Hot Plug; RPS ready At least 3- Standard Fans At least 5 total: 1 front, 2 rear, 2 internal (standard on all chassis types) Remote server management processor embedded on the system boards At least 1U Rack mounted Warranty: At least-Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response</p>	2	
2	<p>High-end desktop</p> <p>At least 8-core CPU with 4 performance cores and 4 efficiency cores 16-core Neural Engine Storage: At least :256GB SSD Configurable to: 512GB, 1TB, or 2TB Memory: At least 8GB Display: At least 24-inch 4.5K Retina, At least 4480-by-2520 resolution at 218 pixels per inch with support for 1 billion colors, At least Actual diagonal screen size is 23.5 in Camera: At least 1080p HD camera Video Support: At least Simultaneously supports full native resolution on the built-in display at 1 billion colors and: At least one external display with up to 6K resolution at 60Hz At least Thunderbolt 3 digital video output or equivalent At least Native DisplayPort output over USB-C Audio: High-fidelity six-speaker system with force-cancelling woofers Wide stereo sound: At least Support for spatial audio when playing music or video with Dolby Atmos 3 or equivalent Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming Connections and Expansion At least Two Thunderbolt or equivalent / USB 4 ports with support for: DisplayPort, Thunderbolt 3 or equivalent (up to 40Gb/s), USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s) At least Gigabit Ethernet At least Two USB 3 ports (up to 10Gb/s) Input: Keyboard, Mouse Wi-Fi: At least 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible Bluetooth: Bluetooth 5.0 wireless technology Operating System: Latest Licensed operating system 64 bit Warranty: At least 1-year warranty, including technical support and hardware replacement services.</p>	13	

<p>3</p>	<p>High-end Desktop</p> <p>Display: At least 27-inch (diagonal) 5K display, At least 5120-by-2880 resolution with support for one billion colors, At least 500 nits brightness, At least Wide color (P3) Processor: At least 3.8GHz 8-core, Turbo Boost up to 5.0GHz Memory: 8GB 2666MHz DDR4 memory Storage: At least 512GB SSD storage Graphics: 8GB of GDDR6 memory Video Support and Camera: 1080p HD camera, Simultaneously supports full native resolution on the built-in display at 1 billion colors and: One 6016-by-3384 (6K) external display at 60Hz with support for 1 billion colors, or Two 6016-by-3384 (6K) external displays at 60Hz with support for 1 billion colors One 5120-by-2880 (5K) external display at 60Hz with support for 1 billion colors, or Two 3840-by-2160 (4K UHD) external displays at 60Hz with support for 1 billion colors, or Two 4096-by-2304 (4K) external displays at 60Hz with support for millions of colors Thunderbolt 3 digital video output or equivalent Native DisplayPort output over USB-C Thunderbolt 2 or equivalent, HDMI, DVI, and VGA output supported using adapters (sold separately) Audio: At least 3.5 mm headphone jack Connections and Expansion: At least 3.5 mm headphone jack, SDXC card slot (UHS-II), Four USB-A ports, Two Thunderbolt 3 or equivalent (USB-C) ports with support for: DisplayPort, Thunderbolt or equivalent (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s) At least 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector) Configurable to 10Gb Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet Input: Keyboard, Mouse Wi-Fi: At least 802.11ac Wi-Fi wireless networking, IEEE 802.11a/b/g/n compatible Bluetooth: Bluetooth 5.0 wireless technology Operating System: Latest Licensed operating system 64 bit Warranty: At least 1-year warranty, including technical support and hardware replacement services.</p>	<p>1</p>	
<p>4</p>	<p>Mid-range desktop</p> <p>At least 6 cores At least 2.6 GHz (12M Cache, up to 4.4GHz) RAM: At least 8GB DDR4 Storage: At least 1TB HDD, At least 256GB M.2 SSD Graphics: shared Display Screen: At least 21.5", Resolution: At least 1920 x 1080 pixel Network Interface: At least Gigabit Ethernet 10/100/1000 Wireless Lan: At least 802.11 AC Back: HDMI or VGA port: At least 1 Audio jacks: At least 2 USB 2.0: At least 2 USB 3.2: At least 2 Front: USB 2.0: At least 2 USB 3.2: At least 2 Monitor: At least 21.5 inches Keyboard and mouse Operating System: Latest Licensed professional operating system 64 bit Warranty: at least 1 year warranty - includes 1-Year Parts, 1-Year Labor.</p>	<p>21</p>	

<p>5</p>	<p>High-end Laptop</p> <p>At least 8 core CPU, 8 core GPU At least 16GB memory At least 512GB SSD storage At least 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560x1600 native resolution at 227 pixels per inch with support for millions of colours Supported scaled resolutions:1680x1050, 1440x900, 1024x640. At least 500 nits brightness, At least Wide colour (P3) Video Support: Simultaneously supports full native resolution on the built-in display at millions of colours and: One external display with up to 6K resolution at 60Hz, Thunderbolt 3 or equivalent digital video output, Native DisplayPort output over USB-C, VGA, HDMI, DVI and Thunderbolt 2 or equivalent output supported using adapters (sold separately). With Keyboard and Track-pad Two Thunderbolt or equivalent / USB 4 ports with support for: Charging, DisplayPort, Thunderbolt 3 or equivalent (up to 40 Gbps), USB 4 (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps) Battery and Power: Up to 17 hours wireless web, Up to 20 hours TV app movie playback. At least Built-in 58.2-watt-hour lithium-polymer battery, At least 61W USB-C Power Adapter. Wi-Fi: At least 802.11ax Wi-Fi 6 wireless networking, IEEE 802.11a/b/g/n/ac compatible Bluetooth: At least Bluetooth 5.0 wireless technology Camera: 720p HD camera Audio: Stereo speakers with high dynamic range, Wide stereo sound, Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming, 3.5mm headphone jack. Operating System: Latest Licensed operating system 64 bit At least 1-year warranty, including technical support and hardware replacement services.</p>	<p>5</p>	
<p>6</p>	<p>High-end Laptop</p> <p>At least 8 core CPU, 8 core GPU At least 8GB memory At least 256GB SSD storage At least 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560x1600 native resolution at 227 pixels per inch with support for millions of colours Supported scaled resolutions:1680x1050, 1440x900, 1024x640. At least 500 nits brightness, At least Wide colour (P3) Video Support: Simultaneously supports full native resolution on the built-in display at millions of colours and: One external display with up to 6K resolution at 60Hz, Thunderbolt 3 or equivalent digital video output, Native DisplayPort output over USB-C, VGA, HDMI, DVI and Thunderbolt 2 or equivalent output supported using adapters With Keyboard and Track-pad Two Thunderbolt or equivalent / USB 4 ports with support for: Charging, DisplayPort, Thunderbolt 3 or equivalent (up to 40 Gbps), USB 4 (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps) Battery and Power: Up to 17 hours wireless web, up to 20 hours TV app movie playback. At least Built-in 58.2-watt-hour lithium-polymer battery, at least 61W USB-C Power Adapter. Wi-Fi: At least 802.11ax Wi-Fi 6 wireless networking, IEEE 802.11a/b/g/n/ac compatible Bluetooth: At least Bluetooth 5.0 wireless technology Camera: 720p HD camera Audio: Stereo speakers with high dynamic range, Wide stereo sound, Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming, 3.5mm headphone jack. Operating System: Latest Licensed operating system 64 bit Warranty: At least 1-year warranty, including technical support and hardware replacement services.</p>	<p>23</p>	

<p>7</p>	<p>High-end Laptop</p> <p>At least 10-core CPU, 16-core GPU At least 16GB memory At least 512GB SSD storage Display: Liquid XDR display, At least 16.2-inch (diagonal) Liquid XDR display; At least 1 3456-by-2234 native resolution at 254 pixels per inch, At least XDR (Extreme Dynamic Range), Up to 1000 nits sustained (full-screen) brightness, At least 1600 nits peak brightness, At least 1,000,000:1 contrast ratio Color: At least 1 billion colors, Wide color (P3) Refresh rates: At least With technology for adaptive refresh rates up to 120Hz, At least Fixed refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz Battery and Power: Up to 21 hours TV app movie playback, Up to 14 hours wireless web, At least 100-watt-hour lithium-polymer battery, At least 140W USB-C Power Adapter, Fast-charge capable with included 140W USB-C Power Adapter. Charging and Expansion: SDXC card slot, HDMI port, 3.5 mm headphone jack, Three Thunderbolt 4 or equivalent (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt 4 or equivalent (up to 40Gb/s), USB 4 (up to 40Gb/s) With Keyboard and Trackpad Wi-Fi: At least 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible Bluetooth: At least Bluetooth 5.0 wireless technology Camera: At least 1080p HD camera and Advanced image signal processor with computational video. Audio: High-fidelity six-speaker sound system with force-cancelling woofers, Wide stereo sound, Support for spatial audio when playing music or video with built-in speakers, Spatial audio with dynamic head tracking when using wireless Bluetooth earphones/headset. Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming, 3.5 mm headphone jack with advanced support for high-impedance headphones. Operating System: Latest Licensed operating system 64 bit Warranty: At least 1-year warranty, including technical support and hardware replacement services.</p>	<p>3</p>	
<p>8</p>	<p>Low-end Laptop</p> <p>Display: At least 13.3-inch (diagonal) LED-backlit display with IPS technology; At least 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, 400 nits brightness, Wide color (P3) At least 8-core CPU with 4 performance cores and 4 efficiency cores At least 7-core GPU, 8-core GPU Battery: Up to 15 hours wireless web, up to 18 hours TV app movie playback Built-in 49.9-watt-hour lithium-polymer battery At least 30W USB-C Power Adapter Charging and Expansion: Two Thunderbolt or equivalent/ USB 4 ports with support for: Charging, DisplayPort, Thunderbolt 3 or equivalent (up to 40Gb/s) USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s) Memory: At least 8GB unified memory Storage: At least 512GB SSD Storage With Keyboard and Track-pad Wi-Fi: At least 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible Bluetooth: At least Bluetooth 5.0 wireless technology Camera: At least 720p HD camera Video Support: Simultaneously supports full native resolution on the built-in display at millions of colors and: One external display with up to 6K resolution at 60Hz Audio: Stereo speakers, Wide stereo sound, Three-mic array with directional beamforming, 3.5 mm headphone jack. Operating System: Latest Licensed operating system 64 bit Warranty: At least 1-year warranty, including technical support and hardware replacement services.</p>	<p>1</p>	

9	Uninterruptible Power Supply (UPS) Output Power Capacity: At least 325 Watts / 625 VA 35 Max Configurable Power: At least 325 Watts / 0 VA Nominal Output Voltage: At least 230V Nominal Input Voltage: At least 230V Input Frequency: At least 45 - 65 Hz Input voltage range for main operations: At least 151 - 299V Battery Type Maintenance-free sealed Lead-Acid battery Typical recharge time At least 6 hours Warranty: At least 1 year - Warranty includes 1-Year Parts, 1-Year Labor.	120	
10	Network Attached Storage (NAS) CPU Architecture: At least 64-bit CPU Frequency: At least 4-core 2.2 GHz System Memory: At least 32 GB DDR4 ECC SODIMM Total Memory Slots: At least 2 Maximum Memory Capacity: At least 32 GB (16 GB x 2) Hard disk drive: 3 pcs 12TB HDD, At least 3.5" SATA 6 Gb/s, Sector Size: At least 512e, Rotational Speed: At least 7,200 rpm, Interface Speed: At least 6.0 Gb/s, 3.0 Gb/s, 1.5 Gb/s, Buffer Size: At least 256 MiB, HDD Warranty: At least 5 Years Drive Bays: At least 8 Compatible Drive Type: 3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD, M.2 2280 NVMe SSD Hot Swappable Drive External Ports: RJ-45 1GbE LAN Port: At least 4 (with Link Aggregation / Failover support) USB port: At least 3 eSATA Port: At least 2 PCIe Expansion: At least 1 File System: Internal Drives: At least support Btrfs,EXT4 External Drives: At least support: Btrfs, EXT4,EXT3,FAT,NTFS,HFS+,exFAT. Warranty: At least 3-year limited warranty, including technical support and hardware replacement services. HDD At least 5 years warranty.	3	
11	Projector At least Dual HDMI inputs for multiplatform digital connectivity At least 4000 ANSI Lumen High Brightness for Stunning Presentations At least 20,000:1 High Native Contrast for Crisp Readability At least 1.1x Zoom Ratio for High Setup Flexibility Display: Projection System: At least DLP Single DMD type: At least 0.55" XGA Native Resolution: At least 1024 x 768 pixels Brightness: At least 4000 ANSI Lumens Contrast Ratio: At least 20,000 : 1 Display Color: At least 30 Bits/1.07 Billion Colors Aspect Ratio: At least Native 4:3 (5 aspect ratio selectable) Light Source: At least Lamp Light Source life: At least Normal 6000 hr Economic, 10000 hr, SmartEco 10000 hr, LampSave 15000hr Throw Ratio: At least 1.96~2.15 Zoom Ratio: At least 1.1x Keystone Correction: At least Auto ID, Vertical +/- 40 degrees Projection Offset: At least 110.0% Projection Size: At least 30"~300" Built-in Speaker: At least 10Wx1 Warranty: At least 1 year Warranty - includes 1-Year Parts, 1-Year Labor.	7	

12	Licensed Software Applications Latest Software Suite (Word processing, spreadsheet & slides presentation) for Business, perpetual-license, without annual fee subscriptions, Online download installer with CD key.	85	
Lot 2 – Social Media Listening Tool			
Item No.	Description	Qty.	Statement of Compliance
1	At least five (5) user login (simultaneous login) Must support unlimited searches and results from news sources and social media platforms (broadcast, print, radio, and social media, blogs, and other websites) in English and Filipino language (inclusion of other local Filipino dialects are optional) Must support Research & Monitoring of Consumer Sentiment Must support Consumer Segmentation for Market Research Must have Metrics measurement (e.g. social reach, top location, sentiments, trending themes) Ability to upload contacts Ability to email and archive press releases and media advisories Must support Data Export (e.g. PDF, HTML) Must be compatible with latest OSX and Windows Operating Systems	1	

Conforme:

- For Lot 1 only
- For Lot 2 only
- For both lots

Name of Bidder : _____
 Designation : _____
 Name of Company : _____