



Republic of the Philippines  
BULACAN STATE UNIVERSITY  
City of Malolos

## BIDS AND AWARDS COMMITTEE FOR GOODS, SUPPLIES, AND SERVICES

March 26, 2021

### **Bid Bulletin No. 1** **Modification in the Invitation to Bid, Schedule of Requirements and** **Technical Specification**

This Bid Bulletin no. 1 is issued to modify or amend items in the Bidding Documents for project “Procurement of Various ICT Equipment for the University” with reference no. G-2021-13. This shall form an integral part of the said Bidding Documents.

#### **I. Invitation to Bid**

No.	FROM	TO
2	The <i>Bulacan State University (BulSU)</i> now invites bids for <i>Procurement of Various ICT Equipment for the University (G-2021-13)</i> . Delivery of the Goods is required within <i>Thirty (30) calendar days</i> upon receipt of Notice to Proceed and Purchase Order. Bidders should have completed, <i>within the last three (3) years</i> from the date of submission and receipt of bids (April 7, 2021), a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.	The <i>Bulacan State University (BulSU)</i> now invites bids for <i>Procurement of Various ICT Equipment for the University (G-2021-13)</i> . Delivery of the Goods is required within <i>Sixty (60) calendar days</i> upon receipt of Notice to Proceed and Purchase Order. Bidders should have completed, <i>within the last three (3) years</i> from the date of submission and receipt of bids (April 7, 2021), a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

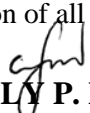
#### **II. Section VI. Schedule of Requirements**

Please see attached “new form” for the Schedule of Requirements for Lot 1, 2 and 3

#### **III. Section VII. Technical Specifications**

Please see attached “new form” for the Technical Specifications for Lot 1, 2 and 3

This Supplemental/ Bid Bulletin no. 1 is issued this 26<sup>th</sup> day of March, 2021 for guidance and information of all concerned.

  
**Dr. DOLLY P. MAROMA**

*Chairperson, BAC for Goods, Supplies & Services*

Received by the Bidder:

1

Signature over printed name/ Company

Date and time: \_\_\_\_\_

## ***Section VI. Schedule of Requirements***

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Qty.	Unit	Delivered, Weeks/Months
	<b>LOT 1</b>			<b>Sixty (60) Calendar Days upon receipt of Notice to Proceed.</b>
1	<b>All-in-One Computer (IQA0)</b>	3	unit	
2	<b>All-in-One Computer (COE-10, Pres. Office-1)</b>	11	unit	
3	<b>All-in-One Computer (CICT-26, Chancellor Ext.-1)</b>	27	unit	
4	<b>Desktop Set (MIS)</b>	1	unit	
5	<b>Wifi – 6 Router (COE)</b>	3	unit	
6	<b>Rackmount Server (Planning Office)</b>	1	unit	
7	<b>All-in-One Computer (IEG FROAST)</b>	1	unit	
8	<b>All-in-One Computer (Clinic-External Campuses)</b>	4	unit	
9	<b>Desktop Set (IEG Froast)</b>	1	unit	
	<b>(See Technical Specification at Section VII)</b>  <b>Contract Implementation:</b> 1. The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.			

Prepared by:

Noted by:

**MR. BRYAN MICHAEL M. ROVILLOS**  
*Technical Working Group - MIS*

**ENGR. ROGELIO DC. PIMENTEL**  
*Director, MIS*

**MR. JOVEN L. CUARTEROS**  
*Technical Working Group - MIS*

I undertake to comply and deliver all the above requirements:

Company Name : \_\_\_\_\_  
 Address : \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE:**

Signature : \_\_\_\_\_  
 Complete Name : \_\_\_\_\_  
 Date : \_\_\_\_\_

## ***Section VII. Technical Specifications***

Item	Description	Qty./unit	Statement of Compliance
	<b>LOT 1</b>		
1	<b>All-in-One Computer (IQAO)</b>	3/unit	Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification on stating the corresponding performance parameter of the equipment offered. Statements of
	<b>Specifications:</b>		
	• Display: 19.5” LED Screen, 1920 x 1080 Resolution, IPS		
	• Processor: Intel Core i5-8400T CPU 8th Gen 3.30 Ghz (or higher)		
	• Memory: 8GB 2666MHz DDR4 (or higher)		
	• Hard Disk Drive: 1 TB 7200 RPM Sata HDD		
	• Optical Disk Drive: DVD\CD Drive (Built-in)		
	• Graphics Coprocessor: 2GB VRAM (or higher)		
	• Connectivity: 10/100/1000 Gigabit Ethernet, 802.11b/g/n Wireless LAN		
	• Operating System: Windows 10 Home 64 bit Licensed		
	• Microsoft Office: Office 2019 Standard (Licensed w/ Product Key)		
	• Peripherals: Keyboard & Optical Mouse, Power Adapter		
	• Warranty: Minimum of 1-year parts, labor and onsite services		
2	<b>All-in-One Computer (COE-10, Pres. Office-1)</b>	11/unit	
	<b>Specifications:</b>		
	• Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher)		
	• Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache)		
	• RAM: 8GB DDR4 2666 MHz (or higher)		
	• Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher)		
	• Graphics Coprocessor: 2 GB GDDR5 (or higher)		
	• Connectivity: 802.11ac Wi-Fi, Bluetooth® 5		
	• Speaker and Microphone: Built-in		
	• Camera: 720p HD resolution (or higher)		
	• Ports: USB 3.1 Type A, USB 3.1 Type C, RJ-45, Ethernet, Microphone / headset jack, HDMI, Power input		
	• Operating System: Windows 10 Home 64 bit, English		
	• Microsoft Office: Office 2019 Standard (Licensed w/ Product Key)		

	<ul style="list-style-type: none"> <li>Peripherals: Keyboard (same brand as the computer), Optical Mouse (same brand as the computer), Power Cord, AC Adapter</li> </ul>		<p>“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</p>
	<ul style="list-style-type: none"> <li>Warranty: Minimum of 1-year parts, 1-year labor and 1-year onsite</li> </ul>		
3	<b>All-in-One Computer (CICT-26, Chancellor Ext.-1)</b>	27/unit	
	<b>Specifications:</b>		
	<ul style="list-style-type: none"> <li>Processor: 10th Gen Intel Core i3 or Higher</li> </ul>		
	<ul style="list-style-type: none"> <li>Operating System: Windows 10 Home 64 bit, English</li> </ul>		
	<ul style="list-style-type: none"> <li>Graphics: 2 GB memory or higher</li> </ul>		
	<ul style="list-style-type: none"> <li>Memory: 8 GB memory or higher</li> </ul>		
	<ul style="list-style-type: none"> <li>Storage: 1 TB HDD</li> </ul>		
	<ul style="list-style-type: none"> <li>Webcam: HD Cam</li> </ul>		
	<ul style="list-style-type: none"> <li>Microphone: Built-in</li> </ul>		
	<ul style="list-style-type: none"> <li>Audio: 2x 3W speakers</li> </ul>		
	<ul style="list-style-type: none"> <li>Wireless LAN: 802. 11AC, 1x1, Wi-Fi + Bluetooth 4.0</li> </ul>		
	<ul style="list-style-type: none"> <li>Ports: USB 3.0, USB 2.0, HDMI, 3 in 1 card reader (SD, SDHC, SDXC), 10/100/1000 LAN, Combo audio/microphone jack</li> </ul>		
	<ul style="list-style-type: none"> <li>Power Supply: Manufacturer Standard</li> </ul>		
	<ul style="list-style-type: none"> <li>Display: 21.5" FHD 1080p, 250 nits, antiglare, near borderless, 10-point touch</li> </ul>		
	<ul style="list-style-type: none"> <li>Microsoft Office: Office 2019 Standard (Licensed w/ Product Key)</li> </ul>		
	<ul style="list-style-type: none"> <li>Bundled Accessories: Keyboard and Mouse, wired or wireless</li> </ul>		
4	<b>Desktop Set (MIS)</b>	1/unit	
	<b>Specifications:</b>		
	<ul style="list-style-type: none"> <li>CPU: AMD Ryzen 5 - 3600 or higher</li> </ul>		
	<ul style="list-style-type: none"> <li>Motherboard: B550 chipset with Wi-Fi or better</li> </ul>		
	<ul style="list-style-type: none"> <li>RAM: 16GB DDR4 3200MHz or higher</li> </ul>		
	<ul style="list-style-type: none"> <li>GPU: RX 5700 XT or equivalent</li> </ul>		
	<ul style="list-style-type: none"> <li>OS Drive Type: M.2 NVME SSD</li> </ul>		
	<ul style="list-style-type: none"> <li>OS Drive Size: 500GB or higher</li> </ul>		
	<ul style="list-style-type: none"> <li>Data Drive Type: HDD 7200RPM</li> </ul>		
	<ul style="list-style-type: none"> <li>Data Drive Size: 1TB or higher</li> </ul>		
	<ul style="list-style-type: none"> <li>PSU: 700W 80+ Bronze Rating</li> </ul>		
	<ul style="list-style-type: none"> <li>Monitor: 24" LED IPS 1080p or better</li> </ul>		
	<ul style="list-style-type: none"> <li>Peripherals: Keyboard, Mouse and AVR</li> </ul>		
	<ul style="list-style-type: none"> <li>OS: Microsoft Windows 10 Home 64bit, English</li> </ul>		
	<ul style="list-style-type: none"> <li>Warranty: One (1) year or higher</li> </ul>		
5	<b>Wifi – 6 Router (COE)</b>	3/unit	

	<b>Specifications:</b>		issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement
	• Network Standards: IEEE 802.11a/b/g/n/ac/ax, IPv4, IPv6		
	• Data Rate: 802.11ax (2.4GHz): up to 1.2 Gbps, 802.11ax (5GHz): up to 4.8 Gbps, 802.11a/b/g/n/ac backwards compatible		
	• Processor: 1.8 GHz quad-core processor (or higher)		
	• Memory: 256 MB Flash, 1 GB RAM (or higher)		
	• Wi-Fi Technology: OFDMA (Orthogonal Frequency Division Multiple Access)		
	• Beamforming: Standard-based and universal 1024-QAM high data rate, 20/40/80/160 MHz bandwidth		
	• Operating Frequency: 2.4 GHz / 5 GHz		
	• Antenna: Minimum of 4 external antennas		
	• Transmit/Receive: 2.4 GHz 4 x 4 5 GHz 4 x 4		
	• Encryption: WPA2-PSK, WPA-PSK, WPA-Enterprise, WPA2-Enterprise, WPS support		
	• Firewall: SPI intrusion detection, DoS protection		
	• Access Control: With network service, URL and port filters		
	• WAN Connection Type: Internet connection type: Automatic IP, Static IP, PPPoE (MPPE supported), PPTP, L2TP		
	• Ports: RJ45 for Gigabits BaseT for WAN, RJ45 for Gigabits BaseT for LAN, USB 3.1 Gen 1		
	• LED Indicators: Power, Wi-Fi, WAN, LAN, USB, WPS		
	• Button: WPS Button, Reset Button, Power Button, Wireless on/off Button		
	• Warranty: Minimum of 1 year for parts and service		
6	<b>Rackmount Server (Planning Office)</b>	1/unit	
	<b>Specifications:</b>		
	• Form Factor: 1U rack-mount		
	• Processor: Intel Xeon Silver 4114 2.2GHz (or higher)		
	• Motherboard: Intel C622 (or higher)		
	• Memory: 2x 8GB (16GB) DDR4 up to 12 DIMM sockets (or higher)		
	• Storage Drive: 5x 2.4TB 2.5" (10TB) 10K RPM SAS Hotswappable HDDs, HDD Bay – 8x 2.5" (or higher)		
	• Graphics: Resolution Support – 1920x1200 at 60Hz		
	• Connectivity: Integrated 1 GbE RJ-45 ports (or higher), RJ-45 10/100/1000 Ethernet systems management port (or higher)		
	• Software: Windows Storage Servers 2016 Standard Edition or higher		
	• Power Supply: 550W HS PSU, up to two redundant hot swap PSU (or higher)		

	<ul style="list-style-type: none"> <li>Peripherals: Power Cords, Mounter, User's Manual, Warranty Cards</li> </ul>		<p>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>
	<ul style="list-style-type: none"> <li>Warranty: Minimum of 1 year for parts and services</li> </ul>		
7	<b>All-in-One Computer (IEG FROAST)</b>	1/unit	
	<b>Specifications:</b>		
	<ul style="list-style-type: none"> <li>Display: 21.5" Display, 4096-by-2304 Resolution</li> </ul>		
	<ul style="list-style-type: none"> <li>Processor: 3.0GHz 6-core Intel Core i5 (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Memory: 8GB DDR4 (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Storage Drive: 1 TB Fusion Drive (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Camera: 720p HD Resolution (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Graphics Coprocessor: 4GB VRAM of GDDR5 (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Connectivity: 802.11ac Wi-Fi wireless networking, IEEE 802.11a/b/g/n compatible, Bluetooth 4.2 wireless technology</li> </ul>		
	<ul style="list-style-type: none"> <li>Ports: 3.5mm headphone jack, SDXC card slot, USB-A, USB-C, Gigabit Ethernet Port</li> </ul>		
	<ul style="list-style-type: none"> <li>Operating System: MacOS</li> </ul>		
	<ul style="list-style-type: none"> <li>Microsoft Office: Office 2019 or later (w/ Product Key)</li> </ul>		
	<ul style="list-style-type: none"> <li>Peripherals: Keyboard, Mouse, Power Cord, AC Adapter</li> </ul>		
	<ul style="list-style-type: none"> <li>Warranty: Minimum of 1-year parts, 1-year labor and 1-year onsite</li> </ul>		
8	<b>All-in-One Computer (Clinic-External)</b>	4/unit	
	<b>Specifications:</b>		
	<ul style="list-style-type: none"> <li>Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache)</li> </ul>		
	<ul style="list-style-type: none"> <li>RAM: 8GB DDR4 2666 MHz (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Graphics Coprocessor: 2 GB GDDR5 (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>Connectivity: 802.11ac Wi-Fi, Bluetooth® 5</li> </ul>		
	<ul style="list-style-type: none"> <li>Speaker and Microphone: Built-in</li> </ul>		
	<ul style="list-style-type: none"> <li>Camera: 720p HD resolution (or higher)</li> </ul>		
	<ul style="list-style-type: none"> <li>OS: Microsoft Windows 10 Home 64bit, English</li> </ul>		
	<ul style="list-style-type: none"> <li>Microsoft Office: Office 2019 Standard (Licensed w/ Product Key)</li> </ul>		
9	<b>Desktop Set (IEG Froast)</b>	1/unit	
	<b>Specification:</b>		
	<ul style="list-style-type: none"> <li>Monitor: 24" LED Screen, 1920 x 1080 Full HD Resolution</li> </ul>		
	<ul style="list-style-type: none"> <li>Processor: Intel Core i7 – 10th Gen (higher or equivalent to the other brand)</li> </ul>		
	<ul style="list-style-type: none"> <li>Memory: 16GB 3600MHz DDR4 (or higher)</li> </ul>		

	•Storage Drive: 240GB SSD (or higher), 1 TB HDD (or higher)		the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii).
	•Graphics Processing Unit (GPU): 8GB VRAM (or higher)		
	•Motherboard, CPU Socket: LGA1200 (higher or equivalent to the other brand), 10/100/1000 Gigabit Ethernet, USB Port: 3.1, 3.0, 2.0, Audio Port, Mic Port		
	•Power Supply Unit (PSU): Branded 750Watts (or higher)		
	•Operating System: Windows 10 Pro 64 bit		
	•Microsoft Office: Office 2019 (w/ Product Key)		
	•Peripherals: Power Cords, Keyboard & Optical Mouse		
	•Chasis: USB Port: 3.1, 3.0, 2.0, Audio Port, Mic Port, Power Switch, Reset Switch		
	•Warranty: Minimum 1 year for parts and service		
	<b>Addendum:</b> <ol style="list-style-type: none"> <li>1. Brochure / catalogue of the item being offered</li> <li>2. ISO Certification of Manufacturer</li> <li>3. Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/Fabricator</li> <li>4. Warranty Certificate from Manufacturer and/or Supplier/Authorized Reseller (Minimum of One (1) Year of Parts, Labor and Onsite Services) for Computers only</li> <li>5. List of Available Service Centers for parts, services and repairs within or near Bulacan</li> <li>6. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) otherwise state "Not Applicable"</li> </ol> <b>Contract Implementation:</b> <ul style="list-style-type: none"> <li>• The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.</li> </ul>		

Prepared by:

Noted by:

**MR. BRYAN MICHAEL M. ROVILLOS**  
*Technical Working Group - MIS*

**ENGR. ROGELIO DC. PIMENTEL**  
*Director, MIS*

**MR. JOVEN L. CUARTEROS**  
*Technical Working Group - MIS*

I undertake to comply and deliver all the above requirements are true and correct, otherwise, if found false either during evaluation or post-qualifications, the same shall give rise to automatic disqualification of our bid:

Company Name : \_\_\_\_\_  
Address : \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE:**

Signature : \_\_\_\_\_  
Complete Name : \_\_\_\_\_  
Date : \_\_\_\_\_



## Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Qty.	Unit	Delivered, Weeks/Months
	<b>LOT 2</b>			<b>Sixty (60) Calendar Days upon receipt of Notice to Proceed.</b>
1	<b>Laptop (Research Office)</b>	1	unit	
2	<b>Laptop (Planning Office)</b>	2	unit	
3	<b>Laptop (Planning Office)</b>	1	unit	
4	<b>Laptop (Planning Office)</b>	1	unit	
5	<b>Laptop (Planning Office)</b>	1	unit	
6	<b>Laptop (IEG Froast)</b>	1	unit	
7	<b>Laptop (TTUSO)</b>	3	unit	
	<b>(See Technical Specification at Section VII)</b>  <b>Contract Implementation:</b> 1. The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.			

Prepared by:

Noted by:

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*Technical Working Group - MIS*

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*Technical Working Group - MIS*

I undertake to comply and deliver all the above requirements:

Company Name : \_\_\_\_\_  
Address : \_\_\_\_\_

AUTHORIZED REPRESENTATIVE:

Signature : \_\_\_\_\_  
Complete Name : \_\_\_\_\_  
Date : \_\_\_\_\_

## ***Section VII. Technical Specifications***

Item	Description	Qty./unit	Statement of Compliance
	<b>LOT 2</b>		
1	<b>Laptop (Research Office)</b>	1/unit	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
	<b>Specifications:</b>		
	• 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)		
	• Chip: M1 chip, 8-core CPU with 4 performance cores and 4 efficiency cores, 8-core GPU, 16-core Neural Engine		
	• Memory: 8GB unified memory		
	• Storage: 512GB SSD storage		
	• Connectivity:  Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE 802.11a/b/g/n/ac compatible,  Bluetooth: Bluetooth 5.0 wireless technology		
	• Camera: 720p FaceTime HD camera		
	• Charging and Expansion: Four Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps)		
	• Keyboard and Trackpad: 65 (U.S.) or 66 (ISO) keys including 4 arrow keys in an inverted-T arrangement - Touch Bar  - Touch ID sensor		
	Ambient light sensor		
	• 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		

	<ul style="list-style-type: none"> <li>• Audio: Stereo speakers with high dynamic range, Wide stereo sound <ul style="list-style-type: none"> <li>- Support for Dolby Atmos playback</li> <li>- Studio-quality three-mic array with directional beamforming</li> <li>- 3.5mm headphone jack</li> </ul> </li> </ul>		<p>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 evidence presented will render the Bid under evaluation liable for rejection. A statement</p>
	• Operating System: macOS		
	• Color: Space Gray or Silver		
	• Warranty: Minimum of 1 year on parts, labor and services		
2	<b>Laptop (Planning Office)</b>	2/unit	
	<b>Specifications:</b>		
	• 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		
	<ul style="list-style-type: none"> <li>- Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640</li> <li>- 500 nits brightness</li> <li>- Wide color (P3)</li> </ul>		
	• Chip: 2.0 GHz quad-core 10 <sup>th</sup> Generation Intel Core i5 Processor, Turbo Boost up to 3.8 GHz		
	• Memory: 8GB unified memory		
	• Storage: 512GB SSD storage		
	<ul style="list-style-type: none"> <li>• Connectivity:</li> </ul> <p>Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE 802.11a/b/g/n/ac compatible,</p> <p>Bluetooth: Bluetooth 5.0 wireless technology</p>		
	• Camera: 720p FaceTime HD camera		
	• Charging and Expansion: Four Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps)		
	<ul style="list-style-type: none"> <li>• Keyboard and Trackpad: 65 (U.S.) or 66 (ISO) keys including 4 arrow keys in an inverted-T arrangement</li> <li>- Touch Bar</li> <li>- Touch ID sensor</li> </ul>		
	Ambient light sensor		

	<ul style="list-style-type: none"> <li>• 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</li> </ul>		<p>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 the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii).</p>
	<ul style="list-style-type: none"> <li>• Audio: Stereo speakers with high dynamic range, Wide stereo sound <ul style="list-style-type: none"> <li>- Support for Dolby Atmos playback</li> <li>- Studio-quality three-mic array with directional beamforming</li> <li>- 3.5mm headphone jack</li> </ul> </li> </ul>		
	• Operating System: macOS		
	• Color: Space Gray or Silver		
	• Microsoft Office: Office 2019 (w/ Product Key)		
	• Warranty: Minimum of 1 year on parts, labor and		
3	<b>Laptop (Planning Office)</b>	1/unit	
	<b>Specifications:</b>		
	•Processor: Intel Core i7-11370H Processor 3.3 GHz, 4 cores (12M Cache, up to 4.8GHz)		
	•GPU: NVIDIA® GeForce RTX™ 3070 Laptop, 8GB GDDR6		
	•Display: 15.6-inch, FHD (1920 x 1080), 16:9, anti-glare display, Refresh Rate:144Hz, Value IPS-level, Adaptive-Sync		
	•Memory: 8GB DDR4-3200 SO-DIMM		
	•Camera: 720p HD camera		
	•Storage: M.2 NV Me PCIe 3.0 SSD or higher		
	•Network and Communication: Wi-Fi 6(802.11ax) +Bluetooth 5.1 (Dual band) 2*2		
	•Battery: 76WHrs, 4S1P, 4-cell Li-ion		
	•Power Supply: 6.0, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100-240V AC, 50/60Hz universal		
	•Operating System: Windows 10 Home 64bit, English		
	•Application Software: Microsoft Office 2019 (w/ Product Key)		
	•Warranty: Minimum of 1 year on parts, labor and services		
4	<b>Laptop (Planning Office)</b>	1/unit	
	<b>Specifications:</b>		
	• Display: 15" LED Screen (or higher), 1920 x 1080 FHD Resolution, 144 Hz., IPS		

	• Processor: Intel Core i7 – 10th Gen (or higher)		<p style="text-align: center;">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</p>
	• Memory: 8 GB DDR4 SO-DIMM (or higher)		
	• Storage Drive: 512GB SSD or higher		
	• Graphics Coprocessor: GTX 1660 TI 6GB DDR6 (or higher)		
	• Connectivity: 10/100/1000 LAN Card, Bluetooth 5.0		
	• Operating System: Windows 10 Home 64 bit Licensed		
	• Microsoft Office: Microsoft Office 2019 (w/ Product Key)		
	• Battery: 4-cell Li-Ion or higher		
	• Warranty: Minimum of 1 year warranty on parts and service		
5	<b>Laptop (Planning Office)</b>	1/unit	
	<b>Specifications:</b>		
	• Processor: 2.4GHz 8-core Intel Core i9		
	• GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher		
	• Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology		
	• Camera: 720p FaceTime HD camera		
	• Memory: 16GB 2666MHz DDR4 memory or higher		
	• Storage: 512GB M.2 3.0 SSD or higher		
	• Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology		
	• Battery: Integrated 100-watt-hour lithium polymer battery		
	• Power Supply: 96W USB-C Power Adapter		
	• Operating System: macOS		
	• Application Software: Microsoft Office 2019 (w/ Product Key)		
	• Warranty: Minimum of 1 year on parts, labor and services		
6	<b>Laptop (IEG Froast)</b>	1/unit	
	<b>Specifications:</b>		
	• 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)		

	• Chip: M1 chip, 8-core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural Engine		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 evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders
	• Memory: 8GB unified memory (or higher)		
	• Storage: 256GB SSD storage (or higher)		
	Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE 802.11a/b/g/n/ac compatible,  Bluetooth: Bluetooth 5.0 wireless technology		
	• Camera: 720p FaceTime HD camera		
	• Keyboard and Trackpad: 78 (U.S.) or 79 (ISO) keys including 12 function keys and 4 arrow keys in an inverted-T arrangement.		
	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		
	• Video Support: One external 6K display with up to 6K resolution at 60Hz		
	• Audio: Stereo speakers  -Wide stereo sound  - Support for Dolby Atmos playback  - Three mic array with directional beamforming  - 3.5mm headphone jack		
	• Operating System: macOS		
7	<b>Laptop (TTUSO)</b>	3/unit	
	<b>Specifications:</b>		
	• 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)		
	• Chip: M1 chip, 8-core CPU with 4 performance cores and 4 efficiency cores, 8-core GPU, 16-core Neural Engine		
	• Memory: 8GB unified memory		
	• Storage: 256GB SSD storage		

	<ul style="list-style-type: none"> <li>• Connectivity:</li> </ul> <p>Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE 802.11a/b/g/n/ac compatible,</p> <p>Bluetooth: Bluetooth 5.0 wireless technology</p>		<p>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 the provisions of <b>ITB</b> Clause</p>
	<ul style="list-style-type: none"> <li>• Camera: 720p FaceTime HD camera</li> </ul>		
	<ul style="list-style-type: none"> <li>• Charging and Expansion: Four Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Keyboard and Trackpad: 65 (U.S.) or 66 (ISO) keys including 4 arrow keys in an inverted-T arrangement</li> <li>- Touch Bar</li> <li>- Touch ID sensor</li> </ul>		
	Ambient light sensor		
	<ul style="list-style-type: none"> <li>• 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</li> </ul>		
	<ul style="list-style-type: none"> <li>• Audio: Stereo speakers with high dynamic range, Wide stereo sound</li> <li>- Support for Dolby Atmos playback</li> <li>- Studio-quality three-mic array with directional beamforming</li> <li>- 3.5mm headphone jack</li> </ul>		
	<ul style="list-style-type: none"> <li>• Operating System: macOS</li> </ul>		
	<ul style="list-style-type: none"> <li>• Color: Space Gray or Silver</li> </ul>		
	<ul style="list-style-type: none"> <li>• Warranty: Minimum of 1 year on parts, labor and services</li> </ul>		

<p><b>Addendum:</b></p> <ol style="list-style-type: none"> <li>1. Brochure / catalogue of the item being offered</li> <li>2. ISO Certification of Manufacturer</li> <li>3. Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/Fabricator</li> <li>4. Warranty Certificate from Manufacturer and/or Supplier/Authorized Reseller (Minimum of One (1) Year of Parts, Labor and Onsite Services)</li> <li>5. List of Available Service Centers for parts, services and repairs within or near Bulacan</li> <li>6. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) otherwise state "Not Applicable"</li> </ol> <p><b>Contract Implementation:</b></p> <ul style="list-style-type: none"> <li>• The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.</li> </ul>	<p>3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii).</p>
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Prepared by:

Noted by:

**MR. BRYAN MICHAEL M. ROVILLOS**  
*Technical Working Group - MIS*

**ENGR. ROGELIO DC. PIMENTEL**  
*Director, MIS*

**MR. JOVEN L. CUARTEROS**  
*Technical Working Group - MIS*

I undertake to comply and deliver all the above requirements are true and correct, otherwise, if found false either during evaluation or post-qualifications, the same shall give rise to automatic disqualification of our bid:

Company Name : \_\_\_\_\_  
Address : \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE:**

Signature : \_\_\_\_\_  
Complete Name : \_\_\_\_\_  
Date : \_\_\_\_\_



## ***Section VI. Schedule of Requirements***

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Qty.	Unit	Delivered, Weeks/Months
	<b>LOT 3</b>			<b>Sixty (60) Calendar Days upon receipt of Notice to Proceed.</b>
1	<b>Android Tablet (CBS)</b>	1	unit	
2	<b>Tablet (IEG Froast)</b>	1	unit	
3	<b>Tablet (IEG Froast)</b>	1	unit	
	<b>(See Technical Specification at Section VII)</b>  <b>Contract Implementation:</b> 1. The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.			

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Signature : \_\_\_\_\_  
Complete Name : \_\_\_\_\_  
Date : \_\_\_\_\_

## *Section VII. Technical Specifications*

Item	Description	Qty./unit	Statement of Compliance
	<b>LOT 3</b>		
<b>1</b>	<b>Android Tablet (CBS)</b>	<b>1/unit</b>	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
	<b>Specifications:</b>		
	OS: Android 9.0 (Pie) or latter version		
	Chipset: Qualcomm or Exynos		
	CPU: Octa-core 1.7GHz-2.8GHz		
	RAM: 8GB		
	GPU: Adreno 600 or Higher		
	Internal Memory: 256GB		
	External Memory: Dedicated Slot		
	Display: 10.5 inches Super AMOLED		
	WLAN: Wi-Fi 802.11 a/b/g/n/ac, Dual-Band, Wi-Fi Direct, Hotspot		
	Bluetooth: 5.0 or Latter		
	USB: 3.1 or Latter		
	Battery Capacity: 6000 mAh or Higher		
<b>2</b>	<b>Tablet (IEG Froast)</b>	<b>1/unit</b>	
	<b>Specifications:</b>		
	• Display: Size: 10.4", Resolution: 2000 x 1200 (WUXGA+)  Technology: TFT  Color Depth: 16M		
	• Capacity: 128GB, External Memory Support: MicroSD (Up to 1TB)		
	• Memory: 4GB RAM		
	• Processor: CPU Speed - up to 2.3 GHz, CPU Type - Octa-Core		
	• Camera: Rear Camera: 8.0 MP, Front Camera: 5.0 MP, Video Recording Resolution: FHD (1920 x 1080) @ 30fps		
	• Speaker: Stereo speakers		
	• Microphones: Video Recording and Audio Recording		
	• Connectivity: ANT+: Yes, USB Version: USB 2.0, Location Technology: GPS, Glonass, Beidou, Galileo, Earjack: 3.5mm Stereo, Wi-Fi: 802.11 a / b / g / n / ac 2.4G+5GHz, VHT80 MIMO, Wi-Fi Direct: Yes, Bluetooth Version: Bluetooth v5.0, Bluetooth Profiles: A2DP, AVRCP, DI, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP, PC Sync.: Smart Switch (PC version)		

	<ul style="list-style-type: none"> <li>• Audio and Video: Video Playing Format: MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM</li> <li>Audio Playing Format: MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA</li> </ul>		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 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
	<ul style="list-style-type: none"> <li>• Sensors: Accelerometer, Gyro Sensor, Hall Sensor, RGB Light Sensor</li> </ul>		
	<ul style="list-style-type: none"> <li>• Operating System: Android</li> </ul>		
	<ul style="list-style-type: none"> <li>• Power and Battery: Battery Capacity: 7040</li> <li>Charging via power adapter or USB to computer system</li> </ul>		
	<ul style="list-style-type: none"> <li>• Peripherals: Power Adapter (Charger), Warranty Card, User Manual</li> </ul>		
2	<b>Tablet (IEG Froast)</b>	1/unit	
	<b>Specifications:</b>		
	<ul style="list-style-type: none"> <li>•Display: 12.9-inch edge-to-edge Liquid Retina display with ProMotion, True Tone, and P3 wide color, 2732-by-2048-pixel resolution at 264 pixels per inch (ppi)</li> </ul>		
	<ul style="list-style-type: none"> <li>•Capacity: 256GB</li> </ul>		
	<ul style="list-style-type: none"> <li>•Chip: A12Z Bionic chip with Neural Engine</li> </ul>		
	<ul style="list-style-type: none"> <li>•Camera: Rear Camera - 12MP Wide camera, 10MP Ultra Wide camera, Front Camera - 7MP TrueDepth front camera</li> </ul>		
	<ul style="list-style-type: none"> <li>•Speaker: Four speaker audio</li> </ul>		
	<ul style="list-style-type: none"> <li>•Microphones: Five studio-quality microphones</li> </ul>		
	<ul style="list-style-type: none"> <li>•Connectivity: 802.11ax Wi-Fi 6, simultaneous dual band (2.4GHz and 5GHz) HT80 with MIMO, Bluetooth 5.0 technology</li> </ul>		
	<ul style="list-style-type: none"> <li>•Sensors: Face ID, LiDAR Scanner, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor</li> </ul>		
	<ul style="list-style-type: none"> <li>•Operating System: iOS</li> </ul>		
	<ul style="list-style-type: none"> <li>•Power and Battery: Built-in 36.71-watt-hour rechargeable lithium-polymer battery</li> </ul>		
	<ul style="list-style-type: none"> <li>•Inclusion: Warranty Card, Power Adapter (Charger), USB-C Cord</li> </ul>		
	<ul style="list-style-type: none"> <li>•Warranty: Minimum of 1 year for parts and service</li> </ul>		

<p><b>Addendum:</b></p> <ol style="list-style-type: none"> <li>1. Brochure / catalogue of the item being offered</li> <li>2. ISO Certification of Manufacturer</li> <li>3. Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/Fabricator</li> <li>4. Warranty Certificate from Manufacturer and/or Supplier/Authorized Reseller (Minimum of One (1) Year of Parts, Labor and Onsite Services)</li> <li>5. List of Available Service Centers for parts, services and repairs within or near Bulacan</li> <li>6. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) otherwise state "Not Applicable"</li> </ol> <p><b>Contract Implementation:</b></p> <ul style="list-style-type: none"> <li>• The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.</li> </ul>	<p>may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii).</p>
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