



Republic of the Philippines
CARAGA STATE UNIVERSITY
 Ampayon, Butuan City 8600, Philippines
 Competence Service Uprightness

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BIDS AND AWARDS COMMITTEE (BAC)

ADDENDUM NO. 01 Series of 2022

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents for the **Provision of ICT Equipment for the operation of CHED-iLAB Establishment of an Innovation Laboratory Facility for Global Education**. This shall form an integral part of the Bid Documents.

Name of Project: **Provision of ICT Equipment for the operation of CHED-iLAB Establishment of an Innovation Laboratory Facility for Global Education**
 Location: CSU Campus, Ampayon, Butuan City
 Brief Description: **Provision of ICT Equipment for the operation of CHED-iLAB Establishment of an Innovation Laboratory Facility for Global Education**
 Approved Budget for the Contract : **Php. 2,837,500.00**
 Source of Funds: TRF 2022 - CHED
 Contract Duration: 60 Calendar Days

Please be informed of the changes in the Bidding Documents and the inclusion of design/ lay-out for the project, as follows:

CHANGES/ AMENDMENT		
Procurement Scheme		
FROM		TO
<i>Partial Bid is NOT ALLOWED</i>		<i>Partial Bid is ALLOWED</i>
TECHNICAL SPECIFICATION		
FROM		TO
ITEM No.	DESCRIPTION	
1.	DESKTOP COMPUTER Processor: 8 core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural Engine *Storage: 256GB SSD, Configurable to 512GB or 1TB *Memory: 8GB unified memory, Configurable to 16GB unified memory	DESKTOP COMPUTER Processor: 8 core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural Engine *Storage: 256GB SSD *Memory: 8GB unified memory *Display/Monitor: 24-inch 4.5K Retina display



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<p>*Display: 24-inch 4.5K Retina display</p> <p>*Camera: 1080p FaceTime HD camera with M1 image signal processor</p> <p>*Video Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and One external display with up to 6K resolution at 60Hz</p> <p>*Audio: High-fidelity six-speaker system with force-cancelling woofers, Wide stereo sound Wide stereo sound, Support for spatial audio when playing video with Support for spatial audio when playing music or video with, Studio-quality three-mic icon Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming</p> <p>* Connections and Expansion: DisplayPort, Thunderbolt 3 (up to 40 Gbps), USB 4 (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps), 3.5mm headphone jack, Gigabit Ethernet, Two USB 3 ports (up to 10 Gbps), 802.11ax Wi-Fi 6 wireless networking, IEEE 802.11a/b/g/n/ac compatible, Bluetooth 5.0 wireless technology</p> <p>*In the box: AIO, Magic Keyboard, Magic Mouse 2, Power cord, Lightning to USB Cable, User's Guide(English)</p> <p>*Included USB Mono Headset w/ noise-cancelling mic</p> <p>* In the Box: Magic Keyboard, Magic Mouse, 143W power adapter, Power cord (2m), USB-C to Lightning Cable, Magic Keyboard with Touch ID, Magic Mouse, 143W power adapter, USB-C to Lightning Cable</p> <p>* Licensed proprietary Office.</p> <p>* Licensed proprietary Operating System 64x</p> <p>*Color: Silver</p> <p>*1 year warranty and technical support UNIT: SET, QUANTITY: 30"</p>	<p>*Camera: 1080p FaceTime HD camera with M1 image signal processor</p> <p>*Video Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and One external display with up to 6K resolution at 60Hz</p> <p>*Audio: High-fidelity six-speaker system with force-cancelling woofers, Wide stereo sound Wide stereo sound, Support for spatial audio when playing video with Support for spatial audio when playing music or video with, Studio-quality three-mic icon Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming</p> <p>* Connections and Expansion: DisplayPort, Thunderbolt 3 (up to 40 Gbps), USB 4 (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps), 3.5mm headphone jack, Gigabit Ethernet, Two USB 3 ports (up to 10 Gbps), 802.11ax Wi-Fi 6 wireless networking, IEEE 802.11a/b/g/n/ac compatible, Bluetooth 5.0 wireless technology</p> <p>*In the box: AIO, Magic Keyboard, Magic Mouse 2, Power cord, Lightning to USB Cable, User's Guide(English)</p> <p>*Included USB Mono Headset w/ noise-cancelling mic</p> <p>* In the Box: Magic Keyboard, Magic Mouse, 143W power adapter, Power cord (2m), USB-C to Lightning Cable, Magic Keyboard with Touch ID, Magic Mouse, 143W power adapter, USB-C to Lightning Cable</p> <p>* Licensed proprietary Office.</p> <p>* Licensed proprietary Operating System 64x</p> <p>*Color: Silver</p> <p>*1 year warranty and technical support UNIT: SET, QUANTITY: 30"</p>
<p>"DESKTOP COMPUTER</p> <p>*Processor: 8-core CPU with 4 performance cores and 4 efficiency cores 8-core GPU 16-core Neural Engine-</p> <p>*Memory: 8GB unified memory Configurable to 16GB unified memory</p> <p>*Storage: 512GB SSD Configurable to 1TB or 2TB.</p> <p>*Display: 24-inch 4.5K Retina display 4480-by-2520 resolution at 218 pixels per inch with support for 1 billion</p>	<p>"DESKTOP COMPUTER</p> <p>*Processor: 8-core CPU with 4 performance cores and 4 efficiency cores 8-core GPU 16-core Neural Engine-</p> <p>*Memory: 8GB unified memory</p> <p>*Storage: 512GB SSD</p> <p>*Display/monitor: 24-inch 4.5K Retina display 4480-by-2520 resolution at 218 pixels per inch with support for 1 billion</p>



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<p>colors 500 nits brightness Wide color (P3) True Tone technology</p> <p>*Camera: 1080p FaceTime HD camera with M1 image signal processor</p> <p>*Video Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and: One external display with up to 6K resolution at 60Hz 3 digital video output Native DisplayPort output over USB-C</p> <p>VGA, HDMI, DVI.</p> <p>*Audio: High-fidelity six-speaker system with force-cancelling woofers</p> <p>Wide stereo sound Support for spatial audio when playing music or video with Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming</p> <p>*Connections and Expansion: USB 4 Ports for DisplayPort, up to 40Gbps, USB 4 (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps), 3.5mm headphone jack</p> <p>Gigabit Ethernet up to 10Gbps</p> <p>*Input: Magic Keyboard with Touch ID Magic Mouse Configurable with: Magic Keyboard with Touch ID and Numeric Keypad Numeric Keypad Magic Track pad</p> <p>*Wireless: Wi-Fi 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible Bluetooth Bluetooth 5.0 wireless technology</p> <p>*In the box: Magic Keyboard with Touch ID, Magic Mouse, 143W power adapter, Power cord (2m), Power cord (2m)</p> <p>*License Proprietary Content Management Software</p> <p>*Licensed proprietary Operating System 64x</p> <p>*Licensed proprietary Office.</p> <p>*1 year warranty and technical support. UNIT: SET, QUANTITY: 1</p>	<p>colors 500 nits brightness Wide color (P3) True Tone technology</p> <p>*Camera: 1080p FaceTime HD camera with M1 image signal processor</p> <p>*Video Support: Simultaneously supports full native resolution on the built-in display at 1 billion colors and: One external display with up to 6K resolution at 60Hz 3 digital video output Native DisplayPort output over USB-C</p> <p>VGA, HDMI, DVI.</p> <p>*Audio: High-fidelity six-speaker system with force-cancelling woofers</p> <p>Wide stereo sound Support for spatial audio when playing music or video with Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming</p> <p>*Connections and Expansion: USB 4 Ports for DisplayPort, up to 40Gbps, USB 4 (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps), 3.5mm headphone jack</p> <p>Gigabit Ethernet up to 10Gbps</p> <p>*Input: Magic Keyboard with Touch ID Magic Mouse Configurable with: Magic Keyboard with Touch ID and Numeric Keypad Numeric Keypad Magic Track pad</p> <p>*Wireless: Wi-Fi 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible Bluetooth Bluetooth 5.0 wireless technology</p> <p>*In the box: Magic Keyboard with Touch ID, Magic Mouse, 143W power adapter, Power cord (2m), Power cord (2m)</p> <p>*Licensed proprietary Operating System 64x</p> <p>*Licensed proprietary Office.</p> <p>*1 year warranty and technical support. UNIT: SET, QUANTITY: 1</p>
<p>"LAPTOP COMPUTER</p> <p>*Licensed Operating System.</p> <p>*Color: Silver.</p> <p>*Display: 13".</p> <p>*Processor: 8-core CPU with 4 performance cores and 4 efficiency cores 8-coreGPU, 16-core Neural Engine.</p> <p>*Memory: 8GB unified memory Configurable to: 16GB</p> <p>*Storage: 256GB SSD Configurable to: 512GB, 1TB, or 2TB</p>	<p>"LAPTOP COMPUTER</p> <p>*Licensed Operating System.</p> <p>*Color: Silver.</p> <p>*Display: 13".</p> <p>*Processor: 8-core CPU with 4 performance cores and 4 efficiency cores 8-coreGPU, 16-core Neural Engine.</p> <p>*Memory: 8GB unified</p> <p>*Storage: 256GB SSD</p>



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	<ul style="list-style-type: none">*Multi- Touch trackpad, Backlit Keyboard.*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*In the box: laptop, AC Wall Plug, 45W MagSafe 2Power Adapter and power cord.*Included mini Display port to VGA Adapter.*Included USB Mono Headset w/ noise-cancelling mic.*Targus SlipcaseTSS656AP 14"".*Licensed proprietary Office.*Licensed Proprietary Content Management Software*Licensed proprietary Operating System 64x*1 year warranty and technical support UNIT: UNIT, QUANTITY: 1"	<ul style="list-style-type: none">*Multi- Touch trackpad, Backlit Keyboard.*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*In the box: laptop, AC Wall Plug, 45W MagSafe 2Power Adapter and power cord.*Included mini Display port to VGA Adapter.*Included USB Mono Headset w/ noise-cancelling mic.*Targus SlipcaseTSS656AP 14"".*Licensed proprietary Office.*Licensed proprietary Operating System 64x*1 year warranty and technical support UNIT: UNIT, QUANTITY: 1"
	FOB: Caraga State University Ampayon Campus	FOB: Caraga State University Ampayon Campus

For guidance and information of all concerned.


FELIX R. OCAREZ, Ph.D.
Vice BAC Chairperson