**Republic of the Philippines**
**CARAGA STATE UNIVERSITY**
Ampayon, Butuan City 8600, Philippines
**C**ompetence **S**ervice **U**prightness

**BIDS AND AWARDS COMMITTEE**

# ADDENDUM NO. 01
## Series of 2025

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents for the**Provision of Machinery and ICT Equipment for the Operation of Various Offices at CSU Main Campus.** This shall form an integral part of the Bid Documents.

| | |
|---|---|
| Name of Project: | **Provision of Machinery and ICT Equipment for the Operation of Various Offices at CSU Main Campus** |
| Location: | CSU Campus, Ampayon, Butuan City |
| Brief Description: | Provision of Machinery and ICT Equipment for the Operation of Various Offices at CSU Main Campus |
| Approved Budget for the Contract : | **Php. 2,344,420.00** |
| Source of Funds: | Internally Generated Fund (IGF) FY 2025 |
| Contract Duration: | 30 Calendar Days |
| Procurement Scheme: | **By Lot** |

Please be informed of the changes in the Bidding Documents as follows:

| CHANGES/ AMENDMENT | | | |
|---|---|---|---|
| **ITEM & DESCRIPTION** | | | |
| NO. | ITEM | QTY | UNIT | TOTAL COST |
| 1. | **DESKTOP COMPUTER** Processor: Cores: 8, Threads: 16, Cache: 16MB Smart Cache, Base Clock Speed: 2.9 GHz, Turbo Boost: Up to 4.8 GHz. *Memory (RAM): 8GB DDR4 2666 MHz (expandable up to 32GB Dual-Channel DDR4). *Storage: 256GB M.2 NVMe SSD, 1TB 7200 RPM HDD. *Graphics: 2GB DDR5 Dedicated GPU with support for DVI-D and HDMI. *Networking: Wi-Fi: 802.11a/b/g/n/ac, Bluetooth: 4.2, Ethernet: Gigabit Ethernet. *Audio: Integrated High-Definition Audio with 5.1 Channel Surround Sound. *I/O Ports: Front I/O: 2 Audio Jacks, 2 USB 3.1 Gen 1 Ports, 1 USB Type-C Port. *Rear I/O: 2 HDMI Ports, 1 LAN Port (Ethernet), 3 Audio Jacks, 2 USB 2.0 Ports, 4 USB 3.1 Gen 1 Ports. *Expansion Slots: PCIe x1 Slot: 1, M.2 Slot for SSD: None (can be expanded via PCIe). *Power Supply: 380W. *Monitor: Screen Size: 23.6 inches, Resolution: 1920 x 1080 (Full HD), Ports: VGA, DVI, HDMI, Panel Type: VA, Response Time: 5ms. *Operating System: 64-bit OS (e.g., Windows 10 or 11), Office for Home & Student included, Built-in Antivirus. *Physical Dimensions: Weight: 9.3 kg, Dimensions: 49.4 x 23.4 x 41.7 cm (L x W x H). **UNIT: SET, QUANTITY: 1** **DESKTOP COMPUTER** *Processor: Cores: 8, Threads: 16, Base Frequency: 2.50 GHz, Max Turbo Frequency: 4.90 GHz, Smart Cache: 16 MB, Bus Speed: 8 GT/s, Thermal Design Power (TDP): 65W. *Memory (RAM): 16 GB DDR4 (1 x 16 GB), Expandable up to 128 GB, 4 vacant slots for future memory upgrades. *Storage: 256GB PCIe M.2 SSD (for fast storage, system and app performance), 1 TB 3.5" 7200 RPM HDD (for ample data storage). *Audio: Integrated 5.1 Surround Sound for enhanced audio experience. *Networking: Ethernet: Gigabit Ethernet Port, Wi-Fi: 802.11ax/ac/a/b/g/n (Wi-Fi 6), Bluetooth: Integrated for wireless device connectivity. *Front/Side I/O Connections: Audio Jack(s): 2. USB Ports: 2 x USB 3.1 Gen 1 Type A Ports, 2 x USB 3.2 Gen 2 Ports, 1 x USB 3.2 Gen 2x2 Type-C Port. *Rear I/O Connections: 1 x D-Sub Port, 1 x HDMI Port, 1 x DisplayPort, 2 x COM Ports, 1 x PS/2 Port. *Expansion Slots: 2 x PCIe x16 Slots, 1 x PCIe x1 Slot, 1 x M.2 Slot (for additional storage or expansion). *Power Supply: 300W PFC, Auto Sensing Plus Platinum ATX (for efficient power management). *Operating System: Proprietary Operating System with built-in antivirus. *Monitor: 23.8" LED Monitor (Full HD, ideal for productivity and media consumption). | 1 | Lot | ₱2,344,420.00 |

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**BAGONG PILIPINAS**

SOCOTEC ISO 9001

PAB ACCREDITED QMS CERTIFICATION BODY
MSA - 005

*Accessories: Includes AVR (Automatic Voltage Regulator) to protect the system from power surges. **UNIT: SET, QUANTITY: 2**

**DESKTOP COMPUTER**
*Operating System: Proprietary
Operating System with built-in antivirus and the latest version of Office.
*Processor: Cores: 12, Performance Cores: 4, Efficient Cores: 8, Threads: 16, Max Turbo Frequency: 4.60 GHz, Efficient-core Max Turbo Frequency: 3.4 GHz, Cache: 12 MB, Processor Base Power: 28W, Maximum Turbo Power: 64W, Minimum Assured Power: 20W, Deep Learning Boost: Yes.
*Memory: 8GB DDR4 (soDIMM), Expandable up to 32GB Dual-channel DDR4 3200 MHz, 4 vacant slots for future upgrades.
*Storage: 1TB M.2 PCI-E SSD
*Display: Built-in display, Size: 23.8 inches, Resolution: 1920 x 1080 (Full HD), Backlight: LED, Brightness: 250 nits, Aspect Ratio: 16:9.
*Webcam: Integrated 5.0 MP Full HD webcam with 2 stereo microphones.
*Audio: Built-in stereo speakers.
*Networking: Wi-Fi: 802.11ax/ac/a/b/g/n (Wi-Fi 6E), Bluetooth: 5.0, Ethernet: Gigabit Ethernet port.
*Front I/O Connectors: USB Ports: 1 x USB 2.0 Type-A, 3 x USB 3.2 Gen 2 Type-A, 1 x USB Type-C Thunderbolt 4, Audio Jack: 1.
*Rear I/O Connectors: HDMI Ports: 1 x HDMI-in, 1 x HDMI-out (1.4b), LAN Port: 1, USB Type-C: 1.
*Expansion Slots: M.2 Slot for SSD, M.2 Slot for WLAN.
*Power Supply: 65W.
*Keyboard & Mouse: USB Wired Keyboard & USB Wired Mouse included.
*Touch Support: No touch support. **UNIT: SET, QUANTITY: 12**

**LAPTOP COMPUTER**
*Processor: CPU: 8-core (4
performance cores, 4 efficiency cores), GPU: 10-core, Neural Engine: 16-core, Memory Bandwidth: 100GB/s.
*Video and Graphics: Hardware Accelerated: Supports H.264, HEVC, ProRes, and ProRes RAW, Video Decode Engine: Supports various video formats, Video Encode Engine: Supports hardware-accelerated encoding, ProRes Encode and Decode Engine: High-performance video processing.
*Display: Display Size: 13.6-inch LED-backlit with IPS technology, Resolution: 2560 x 1664 (224 pixels per inch), Brightness: 500 nits, Display Technology: Liquid Retina, supports 1 billion colors, Wide Color: P3, True Tone Technology: Adjusts display for more natural viewing.
*Battery and Charging: Battery Life: Up to 15 hours of wireless web usage, Battery Capacity: 52.6-watt-hour lithium-polymer, Power Adapter: 30W USB-C for 8-core GPU model, 35W Dual USB-C Power Adapter for 10-core GPU with 512GB storage, Fast-Charging: Supports 70W USB-C Power Adapter for rapid charging, Charging Port: Wireless charging capability.
*Ports and Connectivity: USB-C: Two Thunderbolt / USB 4 ports (supports DisplayPort, Thunderbolt 3 up to 40Gb/s, USB 4 up to 40Gb/s, USB 3.1 Gen 2 up to 10Gb/s), Headphone Jack: 3.5mm with support for high-impedance headphones, External Displays: Supports one 6K display at 60Hz via Thunderbolt 3, Adapters: Compatible with VGA, HDMI, DVI, and Thunderbolt 2 via adapters (sold separately).
*Memory and Storage: Unified Memory: 8GB, Storage: 512GB SSD.
*Keyboard and Trackpad: Keyboard: 78 (U.S.) or 79 (ISO) keys with full-height function keys and inverted-T arrow key arrangement, Fingerprint Sensor: Built-in, Trackpad: Multi-touch gestures with pressure-sensing capabilities for precise control.
*Wireless Connectivity: Wi-Fi: Wi-Fi 6 (802.11ax), Bluetooth: Bluetooth 5.3.
*Camera and Audio: Camera: 1080p HD with advanced image processing, Audio: Four-speaker sound system with wide stereo sound, supports Spatial Audio with Dolby Atmos, Microphone: Three-mic array with directional beamforming.
*Supported Video and Audio Formats: Video: HEVC, H.264, ProRes, HDR with Dolby Vision, HDR10, and HLG, Audio: AAC, MP3, Lossless,
FLAC, Dolby Digital, Dolby Digital Plus, Dolby Atmos.
*Physical Dimensions: Height: 0.44 inches (1.13 cm), Width: 11.97 inches (30.41 cm), Depth: 8.46 inches (21.5 cm), Weight: 2.7 pounds (1.24 kg).
*Accessibility Features: Voice Control: Voice-based control functionality, VoiceOver: Screen reader for accessibility, Zoom: Screen magnification for visual accessibility, Increase Contrast: Enhances visibility, Reduce Motion: Reduces motion for better

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readability, Dictation: Speech-to-text conversion, Switch Control: Customizable accessibility options, Live Captions: Real-time captions for audio content. **UNIT: UNIT, QUANTITY: 1**

**LAPTOP COMPUTER**
*Processor: Clock Speed: 4.3 - 5
GHz, Cores: 6, Threads: 12, L3 Cache: 16MB, Power Consumption (TDP): 45W, Max Temperature: 100°C.
*Memory Support: RAM Support: DDR5-5600, LPDDR5x-7500.
*PCIe Support: PCIe: PCIe 4.0.
*Instruction Set Extensions: AI, AES, AVX, AVX2, AVX512, FMA3, MMX (+), SHA, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSE4A, SSSE3.
*Graphics: GPU: Integrated GPU.
*Architecture: 64-bit. **UNIT: UNIT, QUANTITY: 1**

**LED WALL PANEL**
*Pixel Pitch: 3.91mm.
*LED Type: SMD
2121.
*Brightness: Up to 1000 nits.
*Refresh Rate: 3840Hz.
*Display Size: 46-inch.
*Resolution: 1920 x 1080 (Full HD).
*Bezel: Ultra-narrow 3.5mm bezel.
*Backlight: LED.
*Brightness Level: 500 nits.
*Video Wall Configuration: 4x5 display matrix.
*Daisy Chain: Supports video wall configuration through daisy chaining.
*Built-in Software: Integrated software version and license included.
*Controller Type: 1 set for 4x5 display matrix.
*Input Signals: 1 x HDMI port, 1 x VGA input.
*Output Signals: 20 x HDMI ports.
*Resolution Support: 1920 x 1080.
*Chassis Size: 7U.
*Software & License: Includes software and lifetime license.
**UNIT: PANEL, QUANTITY: 5**

**NETWORK SWITCH**
*Ports: 48 x 10/100/1000Base-T ports,
4 x SFP+ (10G) ports, 48 x PoE/PoE+ ports.
*PoE Budget: 370W.
*Switching Capacity: 176 Gbps.
*Forwarding Rate: 130.95 Mpps.
*MAC Address Table: 16,000 entries.
*VLAN Support: Up to 4094 VLANs.
*Jumbo Frame (MTU): 9216 bytes.
*Link Aggregation Group (LAG): Up to 16 groups.
*Access Control Lists (ACL): Up to 1900.
*Features: STP/RSTP, Auto Errdisable Recovery, Voice VLAN, LLDP/LLDP-MED, IGMP Snooping v1/v2, CPP, EEE, Syslog, FAN.
*Power Supply: Fixed, 100 - 240V AC, 7A.
*Port Surge Protection: 6KV.
*Form Factor: Layer 2 Managed Switch.
*Compatibility: Must be compatible with specific network controllers for full functionality. **UNIT: UNIT, QUANTITY: 5**

**TABLET**
*Display: Size: 13 inches, Type: OLED or
high-quality LED, Resolution: 2752 x 2064 pixels or similar high resolution, Additional Features: anti-glare coating.
*Chip: CPU: 9-10 cores, GPU: 10 cores, Process Technology: 3-nanometer or similar advanced manufacturing process, Performance: CPU, GPU, and NPU delivering 38 TOPS, Memory: 8GB or more, with high data transfer speeds (e.g., 120 Gbps), TDP: 22W.

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| Description | | |
|---|---|---|
| *Storage: Capacity: 512GB SSD.<br>*Camera: Front Camera: 12MP or higher, supports 4K video and professional video formats like ProRes, Rear Camera: 12MP or higher.<br>*Wireless Connectivity: Wi-Fi: Wi-Fi 6E or equivalent. Cellular: 5G support or latest available generation.<br>*Additional Features: Tech Support: 1-year complimentary technical support or warranty, Charging: USB-C charge cable and 20W USB-C power adapter included, Cleaning: Cleaning cloth for anti-glare or nano-texture glass.<br>*Note: all equipment shall have a warranty of at least One (1) year. In case of a defect, the Seller/Supplier is obliged to replace (within 30 days) or repair equipment under this warranty.<br>Service Center preferably within Butuan City<br> **UNIT: UNIT, QUANTITY: 1**<br><br>Note:<br>-Service Center preferably within Butuan City<br>-All items must have at least 1 year warranty<br>-Aftersales, suppliers must provide spare unit/s of the same brand and model as<br> replacement while repair for the defective unit/s is ongoing.<br><br>* * * * * * * * * * **N O T H I N G  F O L L O W S** * * * * * * * * * * * | | |
| | **TOTAL AMOUNT** | **₱ 2,344,420.00** |
| ******** **NOTHING FOLLOWS** ******** | | |

For guidance and information of all concerned.

**MICHELLE V. JAPITANA, D. Eng.**
*Chairperson,* Bids and Awards Committee