



INVITATION TO BID

The Western Mindanao State University, through its Bids and Awards Committee (BAC), is inviting PhilGEPS registered suppliers to apply for eligibility and to submit bids for the item mentioned hereunder:

Name of Project: **ADOPTION OF DIGITAL LEARNING PLATFORM THROUGH ICT MODERNIZATION (E-LABORATORY)**

Approved Budget Cost: **Php 72,033,759.70**

Purchase Request No.: **PR 26-02-073**

Closing Date: **August 20, 2026 9:30 AM**

Delivery Period: **Forty-Five (45) Calendar Days**

Bid Docs: **Php 50,000.00**

E-LABORATORY

Each E-Laboratory Room shall accommodate approximately thirty (30) student workstations and one (1) instructor workstation.

1. Ten (10) SETS OF E-LABORATORY ROOMS to include the following items with its corresponding specifications:

A. One (1) unit of SMART INTERACTIVE BOARD

Specifications:

- . Display: at least 75-inch Interactive Flat Panel Display
- . Resolution: UHD Resolution (3840 x 2160) or better
- . Refresh Rate: Minimum 60Hz
- . Brightness Minimum of 400 cd/m²
- . Contrast Ratio: Minimum of 1200:1
- . Viewing Angle: at least 178°
- . Multi-touch capability: at least 20 touch points
- . Built-in speakers
- . Built-in operating system
- . Memory: Minimum 8GB RAM
- . Storage: Minimum 64GB internal storage
- . Supports Wi-Fi and Bluetooth connectivity
- . Supports interactive whiteboard and educational collaboration applications
- . Supports writing using finger and stylus simultaneously.
- . Ports: HDMI, USB, RJ45
- . Complete accessories and wall mounting included
- . With minimum three (3) years warranty

B. Thirty (31) units All-In-One PC

Specifications:

- . Processor: at least 8 cores, 12 threads, and minimum 12MB cache
- . Memory: Minimum 16GB RAM
- . Storage: Minimum 512GB SSD
- . Display: Minimum 23-inch Full HD Display
- . Resolution: Minimum 1920 × 1080
- . Graphics: Integrated graphics capable of supporting multimedia and educational applications
- . Audio: Integrated speakers
- . Camera: Integrated HD webcam with built-in microphone
- . Network Connectivity:
 - Gigabit Ethernet LAN
 - Wireless connectivity capable
 - Bluetooth capable
- . Ports:
 - USB ports
 - HDMI or equivalent display/output port
 - RJ45 LAN port
 - Audio input/output port
- . Operating System: Latest licensed operating system compatible with educational and office applications
- . Power Requirement: Compatible with 220V / 60Hz power supply



- . Form Factor: Space-saving all-in-one design
- . Accessories Included: - Wired keyboard - Wired optical mouse with Mouse pad - Power cord and power adapter - UPS compatibility cable or power connection accessories, if applicable - User manual and documentation - Device drivers and recovery media/tools, if applicable - Cable management accessories - LAN cable - Complete necessary interface and connection cables
- . Suitable for educational, multimedia, programming, and laboratory applications
- . With minimum three (3) years warranty and local technical support

C. Thirty (31) units Uninterruptible Power Supply

Specifications:

- . Capacity: at least 1,200VA / 650W
- . Topology: Line-interactive with Automatic Voltage Regulation (AVR)
- . Output Waveform: Pure sine wave
- . Runtime: Minimum 5 minutes at 50% load
- . Input Voltage Range: Minimum 140-300VAC
- . Transfer Time: Maximum 10 milliseconds
- . Protection: - Surge protection: minimum 300 Joules - Overload protection - Short-circuit protection - Overvoltage and undervoltage protection - Automatic restart when utility power returns
- . Interface: LED status indicators (On-line / On-battery / Fault), Audible alarm for power events, USB
- . Output Outlets: Minimum 4 universal outlets and 1 IEC outlet

Certifications: CE, CB, RoHS, IEC 62040 standards, ISO 9001

D. Thirty (31) units Office Productivity Software

Specifications:

- . Type: Enterprise productivity suite
- . Applications: - Word processing - Spreadsheet - Presentation - Email & calendar
- . Deployment: Cloud-based and/or desktop
- . Licensing: Volume license (subscription or perpetual)
- . Features: - Multi-device access - Admin control panel - File sharing & collaboration
- . Compatibility: Windows, macOS, web browsers
- . Security: Multi-factor authentication support
- . Warranty/Support: Minimum 3-year subscription/support

E. Thirty (31) units Endpoint Detection Software

Specifications:

- . Type: Endpoint Protection / EDR solution
- . Features: - Real-time malware protection - Ransomware protection - Behavioral and heuristic threat detection - Web and email protection
- . Management: Centralized cloud or on-prem console
- . Compatibility: Windows, macOS, Linux
- . Updates: Automatic real-time updates
- . Reporting: Threat logs and analytics dashboard
- . Integration: Compatible with existing network/security tools
- . Support: 24/7 vendor technical support
- . Subscription: Minimum 1 year

F. Thirty (31) Sets Tables with Chairs

- . Thirty (30) student tables
- . Thirty (30) student chairs
- . One (1) instructor table
- . One (1) instructor chair

Specifications:

Computer Laboratory Table

- . Heavy-duty computer laboratory table.
- . Designed for one (1) All-in-One computer workstation.
- . Tabletop: 25 mm High Pressure Laminate (HPL)-laminated board or equivalent durable material.
- . Moisture-resistant and scratch-resistant surface.
- . Heavy-duty powder-coated steel frame or equivalent corrosion-resistant material.
- . Reinforced frame construction.
- . With cable management provision.



- . With modesty panel.
- . Adjustable leveling feet or non-slip floor protectors.
- . Minimum load capacity: 80 kg.
- . Approximate dimensions: 1200 mm (L) × 600 mm (W) × 750 mm (H).

B. Computer Laboratory Chair

- . Ergonomic fixed chair.
- . Seat and backrest made of polypropylene, molded plastic, or equivalent durable material.
- . Heavy-duty powder-coated steel frame or equivalent corrosion-resistant material.
- . Four-leg fixed design.
- . Contoured backrest.
- . Non-slip floor protectors.
- . Minimum static load capacity: 120 kg.
- . Stackable design preferred.

Accessibility and Inclusion

- . At least selected units shall be accessibility-friendly and suitable for Persons with Disabilities (PWDs)
- . Furniture layout and dimensions shall support safe and convenient movement within the classroom

General Requirements

- . Tables and chairs shall be uniform in design and finish.
- . Furniture shall be suitable for continuous institutional use.
- . Supplier shall deliver, assemble, and install all furniture.
- . All units shall be brand new and free from manufacturing defects.
- . Equivalent or higher specifications shall be accepted, subject to technical evaluation.

G. Two (2) units Cooling Equipment

3 Tonner Air COnditioning Unit

Floor mounted, Split-Type Inverter

R32 Refrigerant

230V, 60Hz, Single Phase

* Supply, Delivery, Installation and Commissioning with complete accessories that includes electrical items in NEMA 3R enclosure

H. Two (2) units Dome Camera

Specifications:

- . IP-based indoor dome camera
- . Minimum 4MP resolution
- . Supports Power over Ethernet (PoE)
- . Full HD video capability
- . Minimum IP67 protection rating
- . Day and night functionality
- . Supports remote monitoring
- . Infrared/night vision capability
- . Compatible with standard network video recorder systems
- . Includes mounting accessories and installation
- . With minimum three (3) years warranty

I. Two (2) units Indoor Access Point

Specifications:

General Requirements

- . Indoor enterprise-grade wireless access point
- . Dual-band operation supporting 2.4 GHz and 5 GHz frequencies
- . Wi-Fi 6 (IEEE 802.11ax) compliant or higher
- . Minimum 2x2 MIMO configuration
- . Supports high-density client connectivity suitable for classrooms and office environments
- . Ceiling or wall mountable design
- . Designed for continuous indoor operation

Wireless Performance

- . Aggregate wireless throughput of at least 1.4 Gbps
- . Supports OFDMA and MU-MIMO technology for efficient multiuser communication
- . Supports seamless roaming and client load balancing
- . Supports automatic radio frequency optimization and interference mitigation
- . Supports multiple SSIDs/BSSIDs

Security Features



- . Supports WPA2 and WPA3 wireless security standards
- . Supports secure guest access and network segmentation
- . Supports authentication protocols compatible with enterprise network environments
- Connectivity
 - . Minimum one (1) Gigabit Ethernet RJ45 port with auto-sensing capability
 - . Supports Power over Ethernet (PoE) based on IEEE 802.3af/at standards
 - . Supports Energy Efficient Ethernet (EEE) or equivalent powersaving technology
- Management and Monitoring
 - . Supports centralized or cloud-based wireless management
 - . Supports remote configuration, monitoring, and firmware updates
 - . Capable of monitoring device status, client connectivity, and performance analytics
- Additional Features
 - . Integrated internal antennas or equivalent enterprise-grade antenna system
 - . Bluetooth or IoT-ready capability preferred
 - . Supports automatic optimization for classroom and high-user density environments
 - . Compatible with existing structured cabling and enterprise network infrastructure
- Warranty and Support
 - . Includes complete mounting accessories and installation materials
 - . Supplier shall provide installation, configuration, testing, and commissioning
 - . Minimum three (3) years warranty and technical support
- J. Two (2) units Managed 24-Port Gigabit PoE Switch
- Specifications:
 - . Managed Gigabit Ethernet Switch
 - . Minimum twenty-four (24) 10/100/1000 Mbps RJ45 PoE-enabled ports
 - . Minimum four (4) SFP or SFP+ uplink ports
 - . Supports IEEE 802.3af/at Power over Ethernet (PoE)
 - . Rack-mountable design with complete mounting accessories
 - . Includes power cord and all necessary accessories for installation
- Network Features
 - . Supports Gigabit Ethernet connectivity
 - . Supports VLAN (IEEE 802.1Q)
 - . Supports Link Aggregation (LACP) or equivalent
 - . Supports STP, RSTP, and MSTP
 - . Supports Jumbo Frames
 - . Supports multicast traffic management
 - . Supports loop prevention and broadcast storm control
- Layer 3 Features
 - . Supports IPv4 and IPv6
 - . Supports static routing
 - . Supports DHCP relay or equivalent functionality
- Quality of Service (QoS)
 - . Supports traffic prioritization
 - . Supports bandwidth management
 - . Supports Quality of Service (QoS) for voice, video, and data traffic
- Security Features
 - . Supports IEEE 802.1X authentication
 - . Supports Access Control Lists (ACL)
 - . Supports secure remote management
 - . Supports port security
 - . Supports protection against unauthorized network access
- Management
 - . Supports web-based management
 - . Supports command-line interface (CLI) or equivalent
 - . Supports SNMP monitoring
 - . Supports firmware upgrade
 - . Supports configuration backup and restore
 - . Supports remote monitoring and diagnostics
- Installation and Support
 - . Supplier shall provide complete delivery, installation, configuration, testing, and commissioning.
 - . Supplier shall integrate the switch with the University's existing network infrastructure.
 - . Complete technical documentation and configuration files shall be provided upon project completion.
 - . Basic orientation or administrator training shall be conducted for designated personnel.
- Warranty



- . Minimum three (3) years warranty
 - . Minimum three (3) years technical support
- ## 2. PROJECT MANAGEMENT

Scope of Work

The winning bidder shall provide complete project management services necessary for the successful implementation, coordination, monitoring, and completion of the E-Laboratory Project.

General Project Management

- . Overall planning, coordination, and supervision of project activities
- . Designation of a Project Manager or authorized representative as primary point of contact
- . Coordination with concerned university offices
- . Preparation and submission of implementation schedules and work plans

Project Coordination and Implementation

- . Conduct of site inspection and project assessment prior to implementation
- . Coordination of delivery schedules, installation activities, and testing schedules
- . Supervision of manpower, subcontractors, and technical personnel
- . Monitoring of project progress and accomplishment

Quality Assurance and Compliance

- . Ensure that all supplied equipment and materials comply with approved technical specifications
- . Conduct quality checking, inspection, and validation of installations
- . Ensure compliance with applicable ICT, electrical, safety, and building standards
- . Immediate correction of identified deficiencies or noncompliance findings

Documentation and Reporting

- . Submission of project implementation timeline and progress reports
- . Submission of testing and commissioning reports
- . Submission of inventory list, equipment serial numbers, and asset documentation
- . Submission of as-built diagrams, network layout, and configuration documentation
- . Submission of warranty certificates, manuals, and technical datasheets

Testing and Commissioning Support

- . Coordination and supervision of system testing and commissioning activities
- . Facilitation of user acceptance testing and inspection
- . Verification of operational readiness of all installed systems and equipment

Training and Knowledge Transfer

- . Conduct of basic orientation and operational training for designated personnel
- . Provision of basic troubleshooting and maintenance guidance
- . Turnover of administrative access credentials, configurations, and documentation

Warranty and After-Sales Support

- . Coordination of technical support services during warranty period
- . Facilitation of corrective maintenance for defects or installation issues
- . Ensure timely response to technical concerns and service requests

3. CONVERSION AND FIT-OUT CLASSROOMS TO E-LABORATORY ROOM

The winning bidder shall provide complete conversion, fit-out, installation, integration, testing, and commissioning of ten (10) classrooms into functional E-Laboratory suitable for digital and ICT-enabled learning environments.

Scope of Work

General Requirements

- . Complete classroom conversion and fit-out works for ten (10) Laboratories
- . All materials, equipment, labor, tools, and consumables necessary for project completion shall be included
- . All installations shall comply with applicable electrical, safety, ICT, and building standards
- . Site inspection and validation shall be conducted prior to implementation

Civil and Architectural Works

- . Classroom renovation and improvement works as necessary
- . Installation of cable raceways, conduits, and mounting supports



- . Provision of equipment mounting and wall support structures
- . Repair and restoration of affected areas after installation
- . Classroom layout and arrangement subject to End-User approval

Electrical Works

- . Installation and provision of dedicated electrical outlets for ICT equipment
- . Provision of appropriate electrical protection devices and grounding system
- . Installation of power distribution and cable management system
- . Electrical load balancing and safety compliance testing
- . All wiring shall comply with Philippine Electrical Code standards

Structured Cabling and Network Works

- . Supply and installation of structured network cabling system
- . Installation and termination of data outlets and patching components
- . Proper cable labeling and cable management
- . Integration with existing campus network infrastructure
- . Testing and certification of network connectivity
- . Installation and testing of network cabinet/rack, patch panel, and cable management accessories, where applicable.

ICT Equipment Installation

- . Installation and configuration of Smart Interactive Boards
- . Installation and configuration of Indoor Access Points
- . Installation and configuration of PoE Access Switches
- . Installation of CCTV cameras and related accessories
- . Testing and integration of all ICT equipment

Furniture Installation

- . Delivery, assembly, and installation of tables and chairs
- . Proper classroom arrangement and positioning
- . Inspection of furniture stability and usability

Cooling and Environmental Systems

- . Installation and testing of air-conditioning units
- . Verification of proper cooling performance and operation
- . Proper routing of drainage and electrical connections

Testing and Commissioning

- . Functional testing of all installed equipment and systems
- . Network connectivity and wireless performance testing
- . Electrical safety and operational testing
- . Final inspection and acceptance testing with the End-User Unit
- . Correction of identified deficiencies prior to turnover

Documentation and Training

- . Submission of as-built plans and installation documentation
- . Submission of warranty certificates, manuals, and technical datasheets
- . Basic orientation and operational training for designated personnel
- . Submission of testing and commissioning reports

Warranty and Support

- . Minimum three (3) years warranty on workmanship and installation
- . Supplier shall provide technical support during the warranty period
- . Defective workmanship and installation issues shall be corrected at no additional cost

ABC: Php 72,033,759.70

The criteria to be used for the eligibility check of the prospective bidders, examination and evaluation of bids, post qualification and all matters relevant to this procurement shall be in accordance with Republic Act No. 12009 (New Government Procurement Act) and its Implementing Rules and Regulations.

Interested bidders may obtain further information from WMSU BAC Secretariat regarding the checklist of eligibility and technical requirements and Evaluation Criteria (Eligibility Checklist and Evaluation Criteria indicated in the Philippine Bidding Documents (PBDs) can be downloaded in the associated components of this Invitation to Bid).

IMPORTANT NOTICE FOR BIDDERS:



1. Bidding papers may be acquired starting July 25 to August 20, 2026, from the BAC Office or download from agency website (www.wmsu.edu.ph) and PhilGEPS website. The WESTERN MINDANAO STATE UNIVERSITY shall allow the bidder to present its proof of payment for the Bidding Documents fees before the submission of their bids, pursuant to the latest Guidelines issued by the GPPB, in the amount of Fifty Thousand Pesos (Php.50,000.00). (Please attached the machine copy of the Official Receipt)

2. All bidders are required to post a Bid Security, at least Two (2%) Percent of the ABC in the form of Cash, Cashier's Check or Manager's Check or may submit Bid Securing Declaration. Bids without Bid Security will not be considered.

3. The Bidder shall prepare an original of the Eligibility Documents & Technical Components and original of Financial Proposal and clearly mark each "ORIGINAL – ELIGIBILITY DOCUMENTS and TECHNICAL COMPONENTS", and "ORIGINAL – FINANCIAL PROPOSAL", respectively. Bidders shall submit one (1) set of the first and second components of its bid. State the unit price of each item and the total bid price and also state the shortest time of delivery and submit your proposal duly signed by your representative in a sealed envelope. Failure to submit any of the eligibility documents, technical components and financial proposal during bid opening will result in disqualification.

4. Pre-Bid Conference will be on August 6, 2026 9:30 AM at Procurement Conference Office, Ground Floor Administration Building, WMSU, Zamboanga City and/or through video conferencing or webcasting via Zoom, which shall be open to prospective bidders.

5. Bid Submission will be on or before August 20, 2026 9:30 AM. through Manual Submission.

6. Bid opening shall be on August 20, 2026 9:30 AM. at Procurement Conference Office, Ground Floor Administration Building, WMSU, Zamboanga City. Bids will be opened in the presence of the Bidders representatives who choose to attend at the address above. Late bids shall not be accepted.

7. The contract will be awarded to the bidder who submits the Most Economically Advantageous Responsive Bid (MEARB)

8. Price validity shall be for a period of 120 calendar days.

9. Bidders shall submit original brochures showing certifications of the product being offered.

10. Warranty shall be for a period of Six (6) months for supplies and materials. One (1) year for equipment, from date of acceptance by WESTERN MINDANAO STATE UNIVERSITY.

11. Bids received in excess of the ABC shall be automatically rejected at Bid Opening. The WESTERN MINDANAO STATE UNIVERSITY reserves the right to reject any or all Bids and to accept the bid most advantageous to the government, and to award the contract by lot, if warranted.