



Republic of the Philippines
WESTERN MINDANAO STATE UNIVERSITY
 Normal Road, Baliwasan, Zamboanga City 7000



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: **Procurement of Various IT Equipment and Devices for the MISTO**

Approved Budget Cost: **Php 1,415,100.00**

Purchase Request No.: **PR 26-06-239**

Closing Date: **September 1, 2026 9:30 AM**

Delivery Period: **Thirty (30) Calendar Days**

Bid Docs: **Php 5,000.00**

1.) One (1) unit of Multi-Format Video Switcher with 10.1 Inch Touchscreen

Specification:

- for Live Display & live stream
- Screen: 10.1-inch
- Input: 4 x HDMI/ 1 x 3G-SDI
- Output: 1 x HDMI/ 1 x 3G-SDI/ 1 x USB3.0
- Audio: 3.5mm MIC/3.5mm LINE
- Communication LAN: 1 x RJ45

Connection

- Power: 1 x DC Jack
 - HDMI Input Resolutions: SMPTE:720p@50/60; 1080i@50/60; 1080p@24/30/50/60; 2160p@30; VESA:1024*768@60; 1280*720@60; 1280*768@60; 1280*800@60; 1280*1024@60; 1360*768@60; 1366*768@60; 1440*900@60; 1600*1200@60; 1680*1050@60; 1920*1080@60; SDI Input Resolutions: 720p(60/59.94/50/30/29.97/25); 1080p(60/59.94/50); 1080p(60/59.94/50/30/29.97/25/24/23.98)
 - HDMI Output Resolutions: SMPTE:720p@50/60; 1080p@25/30/50/60; - VESA:1024*768@60; 1280*720@50/60; 1280*768@60; 1280*1024@60; 1360*768@60; 1920*1080@25/30/50/60
 - SDI Output Resolutions: 720p(60/59.94/50/30/29.97/25); 1080i(60/59.94/50); 1080p(60/59.94/50/30/29.97/25/24/23.98)
 - USB Output Resolutions: 720p(50/60); 1080p(25/30/50/60)
 - HDMI: 1.4
 - USB: 3.0
 - Input Voltage: DC 12V/3A
 - Max Power: 27W
- ABC: Php 38,600.00

2.) One (1) unit of Wireless Intercom Headset System

Specification:

- Wireless Intercom Headset System for Live stream 1 Master + 5 Remotes
- Duplex - Mode: Full-Duplex (FDX)
- Carrier Frequencies: 1.9 GHz
- Modulation: GFSK
- Operating Range: Up to 1312ft (400m) without obstacles
- Microphone Type: Condenser
- Battery: Rechargeable 3.7V/1200mAh Li-ion battery
- Battery Life: Approximately 18 hours
- with spare battery

ABC: Php 49,900.00

3.) Seven (7) unit of Supply, Delivery, and Installation of Automatic Room Lighting System Using Motion Detection

PIR Motion Sensor

Passive Infrared

Operating Voltage: 110-240 VAC, 50/60 Hz

Load / - Switching Capacity: 800 W incandescent / LED / 10A

Detection Distance /

- Range: 3-10 m
- Detection Angle / Field of View: 120°

Delay Time /



- Hold-Off: ~5-30 seconds

Mounting Type /

- Size: Fits standard wall switch box

ABC: Php 56,000.00

4.) Five (5) units of Ubuquiti POE Switch

Specification:

- Switch USW-16-POE (16-Port PoE Switch) Ports 16 × 10/100/1000 RJ45 ports

2 × 1 GbE SFP uplink ports PoE (Power over Ethernet)

8 of the RJ45 ports support PoE+ (802.3af / 802.3at)

- Total PoE budget: 42 W Max PoE per PoE+

- port: up to 32 W

- Voltage ranges:802.3af: ~44-57 V 802.3at: ~50-57 V

- Performance Switching capacity: 36 Gbps

- Non-blocking throughput: 18 Gbps

- Forwarding rate: ~26.78 Mpps

- Power/ Electrical Power input: 100-240 VAC, 50/60 Hz

- Power supply: Internal 60 W AC/DC

- Maximum power consumption (excluding PoE): ~18 W

Physical / Mechanical

- Dimensions: 442.4 × 200 × 43.7 mm

- Rack-mountable: 1U chassis

- Enclosure: Steel

Display / Cooling

1.3? color touchscreen (LCM) for status / PoE display

Fanless (silent) design

- Protection / Environmental

ESD / EMP protection: Air ±16 kV, Contact ±12 kV

- Operating temperature: -5 °C to 40 °C

- Operating humidity: 10%-90% non-condensing

Certifications: CE, FCC, IC

Management / Features

Managed via UniFi

- Network Controller

Layer 2 switching: supports VLANs, QoS, LACP, STP/RSTP, IGMP snooping, ACLs, jumbo frames, port mirroring, storm control, 802.1X.

ABC:Php 190,000.00

5.) Five (50) pcs of CMOS Battery

Specification:

CR2032 3V LITHIUM CMOS BATTERY

ABC:Php 2,500.00

6.) Eight (8) pcs of RJ 45 Connector Passthrough

Specification:

- 100 Pcs per Box

- Positions/Contacts: 8 positions Contact

- Material / Plating: Copper alloy

ABC:Php 6,400.00

7.) Nine (9) units of Motherboard for Desktop Computer

Specification:

- Motherboard for Unit Upgrade

- Chipset / CPU Compatibility: Intel Z790 chipset; supports 14th, 13th, and 12th Gen Intel Core CPUs. Socket LGA 1700.

- Form Factor: ATX

Memory: 4 × DDR5 DIMM slots, dual channel; up to 192 GB; speeds supported up to ~7600

MT/s Power / VRM: 12 + 1 + 1 twin digital power phases / "12*+1+1" design; solid power delivery; large MOSFET heatsinks; durable power components.

- PCIe Slots / Expansion:

1 × PCIe 5.0 ×16 slot

1 × PCIe 4.0 ×16 slot

1 × PCIe 3.0 ×16

2 × PCIe 3.0 ×1 slots

- Storage Options: 3 × M.2



- slots: all PCIe 4.0 ×4
- 4 × SATA III ports for traditional drives
- Networking & Wireless: 2.5 GbE LAN port; Wi-Fi 6E (802.11ax) with Bluetooth
- Rear I/O
- USB ports: includes USB 3.2 Gen-2, USB 3.2 Gen-1, a USB Type-C port, some USB 2.0 ports
- Display outputs: 1 × HDMI, 1 × DisplayPort
- Audio: standard 7.1 analog jacks (3.5mm)
- PS/2 combo port
- BIOS Flashback / Q-Flash Plus and buttons
- Cooling / Thermal Design Enlarged MOSFET heatsinks; M.2 Thermal Guard (heat shields for M.2 SSD slots); Smart Fan 6 support with multiple sensors & hybrid fan headers including fan-stop functionality.
- ABC: Php 207,000.00

8.) Nine (9) units of Processor for Desktop Computer

Specification:

.Processor for Unit Upgarde

Architecture / Family: 14th Gen Intel Core

Cores / Threads 20 cores total - 8 Performance (P-cores) + 12 Efficiency (E-cores), 28 threads

Clock Speeds:

. P-Core Base: 3.4 GHz

. E-Core Base: 2.5 GHz

. Max Turbo: ~5.6 GHz

. E-Core Turbo: ~4.3 GHz

Cache: L3 (Smart Cache): 33 MB L2 Cache: 28 MB

Power / TDP: Base / PL1 (Processor Base Power): 125 W

Max Turbo / PL2: ~253 W

Memory Support Supports both DDR5 and DDR4:

. DDR5 up to ~5600 MT/s

. DDR4 up to ~3200 MT/s

Max memory size: up to ~192 GB depending on configuration

Socket / Board Compatibility: Socket LGA 1700; works with Intel 600- and 700-series chipsets ABC:Php 241,200.00

9.) Nine (9) units of Computer Memory for Desktop Computer

Specification:

- for Desktop Unit Upgarde

Kit Size: 32GB (2x16gb)

- Type: DDR5, 288-pin

- DIMMs Speed: DDR5-6000 MT/s

ABC: Php 90,000.00

10.) Nine (9) units of Video Card for Desktop Computer

Specification:

- Video Card for Unit Upgarde

- GPU Engine: NVIDIA GeForce RTX 5060 CUDA

- Cores: 3840

- Memory: 8 GB GDDR7

- Memory Interface: 128-bit

- Memory Speed / Bandwidth: Memory speed ~28 Gbps

ABC: Php 216,000.00

11.) Nine (9) units of Power Supply for Desktop Computer

- Power Supply for Unit Upgrade

- Type: ATX12V

- Maximum Power: 750 W

- Fans: 1 x 120 mm

PFC: ActiveSATA

- Power Connector: 5Max PSU Length: 150 mm

- Modular: Full Modular

- Energy-Efficient: 80 PLUS GOLD

- Certified Protection: OVP, OCP, OTP, OPP, SCP, UVP

Input Voltage: 100 - 240 V



- Input Frequency Range: 47 - 63 Hz
- Input Current: 10A (Max.) Output: +3.3V@20A, +5V@20A, +12V@60.2A, -12V@0.3A, +5VSB@2.5A
- Connectors:
 - 1 x MB (24/20 pins)
 - 2 x CPU (8/4 pins)
 - 3 x PCIe (8/6 pins)
 - 1(450W) x 12VHPWR (PCI-E 5.0)
 - 8 x SATA
 - 4 x Molex
 - 1 x Molex to FDD Adapter
- ABC: Php 67,500.00

12.) One (1) unit of Smart Temperature Sensors

Specification:

- Sensors Type: IoT-enabled Smart Sensor (varies: temperature, motion, humidity, CO2, light, etc.)
- Sensing Range: Depends on sensor type (e.g., Temp: -40°C to +85°C, Humidity: 0-100% RH,
- Motion: up to 12 m)
- Communication Protocols: Zigbee, Z-Wave, LoRaWAN, Wi-Fi, or Bluetooth Low Energy (BLE)
- Power Supply:
 - Wired (DC 5V/12V, PoE-enabled)
 - Data Output: Digital (over MQTT, BACnet/IP, Modbus, or REST API for BMS integration)
 - Operating Environment: -20°C to 60°C, 10-95% RH (non-condensing)
 - Mounting: Wall Mounted
 - Certifications: CE, FCC, RoHS, ISO compliance
 - Smart Features:
 - Edge computing (local data processing)
 - AI-enabled anomaly detection (for predictive maintenance)
 - Remote monitoring and control
- ABC: Php 4,000.00

13.) Two (2) units of Video Wall Processor / Controller

Specification:

- Input / Output Configuration: 1 HDMI input, 9 HDMI outputs
- Maximum Input Resolution &
- Refresh Rate: Up to 4K (3840×2160) @ 30 Hz
- Output Resolution / Refresh
- Rate per Screen: Typically 1080p @ 60 Hz (1920×1080) on each of the 9 outputs
- video Wall / Splicing Modes: Many modes: 3×3, 2×2, 2×3, 3×2, 1×n, n×1
- Rotation / Orientation: 180° (flip) rotation per screen
- Control Interfaces: Front panel buttons, IR remote, RS-232, Web GUI / DIP switch
- Cascading / Expansion: Some models support cascading / chaining to build larger walls
- Power / Consumption: ~ 30 W. ABC: Php 50,000.00

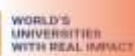
14.) Five (5) units of UAP-AC-M-Pro

Specification:

- Pro
- Wireless / Radio
- Dual-band: 2.4 GHz + 5 GHz
- Wi-Fi standard: 802.11 a/b/g/n/ac
- MIMO: 3×3 (three antennas)
- Max TX Power: 22 dBm on both 2.4 GHz and 5 GHz
- Maximum data rate: ~ 450 Mbps on 2.4 GHz, ~ 1300 Mbps on 5 GHz (aggregate ~1750 Mbps)
- Hardware / Ports
- 2 x Gigabit Ethernet ports (10/100/1000)
- Reset button
- Antennas: 3 internal dual-band omni antennas
- Power
- Supports 802.3af PoE (Alternative A)
- Included PoE adapter: 48 V, 0.5 A
- Power consumption: ~ 9 W
- Optace Networks
- Mounting: Wall or pole mount (pole kit included)



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Performance Features

Supports up to ~100+ concurrent clients

Optace Networks

VLAN (802.1Q), Guest isolation, per-user rate limiting, QoS (WMM)

- Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)

ABC: Php 90,000.00

15.) Two (2) units of UDM Dream Pro

Specification:

- for existing Network System
- Hardware & Physical
- Enclosure material: Aluminium CNC + SGCC steel
- Mounting: 1U rack-mount form factor
- Processor: Quad-core ARM Cortex-A57 @ 1.7 GHz
- System memory (RAM): 4 GB
- On-board storage: 16 GB eMMC
- Power supply: Internal AC/DC 50 W (100-240 V AC, 50/60 Hz)
- Max power consumption: ~33 W

Networking & Ports

- LAN Ports: 8 × 10/100/1000 Mbps RJ45 (LAN)
- WAN Port: 1 × 10/100/1000 Mbps RJ45
- 10G Ports: 1 × 1/10 Gbps SFP+ WAN + 1 × 1/10 Gbps SFP+ LAN
- Management interfaces: Ethernet, Bluetooth (BLE)

IDS/IPS throughput: ~3.5 Gbps

ABC: Php 90,000.00

16.) Two (2) boxes of UTP Cat 6 Cable

Specification:

- cat 6 utp cable
- 305m per box
- Color: Blue

ABC: Php 16,000.00

NOTE: ITEM NOS. 8 TO 11 SHOULD BE COMPATIBLE TO ITEM NO. 7 (MOTHERBOARD).

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 (Philippine Bidding Documents (PBDs) and Eligibility Checklist can be downloaded in the associated components of this Invitation to Bid).

IMPORTANT NOTICE FOR BIDDERS:

1. Bidding papers may be acquired starting August 12 to September 1, 2026, Monday to Friday, 8:00 AM to 5:00 PM 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 [Twenty-Five Thousand Pesos Php.5,000.00]. (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.



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Failure to submit any of the eligibility documents, technical components and financial proposal during bid opening will result in disqualification.

4. Pre-Bid Conference: August 19, 2026 9:30 AM @ Procurement Conference Office, Ground Floor
Admin Building, WMSU, Z.C.

5. Bid Submission will be on or before September 1, 2026 9:30 AM through Manual Submission.

6. Bid opening shall be on September 1, 2026 9:30 AM at Procurement Office, Ground Floor Administration Building, WMSU, Zamboanga City, Philippines, 7000. 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 Lowest Calculated Responsive Bid (LCRB).

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 pursuant to Section 64 and 70 of RA12009 and to accept the bid most advantageous to the government, and to award the contract by lot, if warranted.