



Republic of the Philippines  
**WESTERN MINDANAO STATE UNIVERSITY**  
Zamboanga City  
Telephone No.: 062-992-3084  
[www.wmsu.edu.ph](http://www.wmsu.edu.ph)

## 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:

### 1.) One (1) unit of DIGITAL WEIGHING SCALE

#### Specifications

Capacity: 8,000 grams  
Readability: 0.05 grams  
Repeatability: 0.1 grams  
Selectable weighing units: g., kgs., lbs., oz.  
Weigh below option: weigh-below hook  
Display: backlit LCD with 15mm digits  
with Internal Rechargeable Battery  
Platform Size (WxD): at least 8"x12"

### 2.) Five (5) unit of CALIBRATED POTENTIOMETER

#### Specification:

- Input Potentiometer Resistance: any value from 1 kilohm to 50 kilohms.
- Max. Load Resistance:  $R_{max} = [(V_{supply} - 12V) / 0.020 \text{ mA}]$  kilohms.
- Operating Temperature: -13°F to 176°F/-25°C to 80°C.
- Power: 12 to 48 VDC, polarity protected.
- Response Time: 100 ms typical.
- Excitation: 1.2 V.
- Output Range: 4/20 mA

### 3.) Five (5) unit of CIRCUIT TRAINING KIT/MODULE

#### Specification:

- This kit consists of a PVC box, series of plug-in components, universal patch panel and set of connecting leads/ bridge.
- Three phase-five-wire system power supply with leakage, over-current, short circuit protection. This electronics trainer kit comes complete with 110 Volt or 220 Volt Transformer module.

### 4.) Four (4) unit of VARIABLE/FIXED DC REGULATED POWER SUPPLY

#### Specification:

- Line regulation specification: 0.01% of the maximum output voltage.
- Power supply specification for load regulation: 0.01% for a step load change from 0 to 100% load.
- Power supply specification for ripple and noise: Better than 10 mV rms and for switching supplies figures of 50mV or less.
- Temperature stability specification: In the region of 0.02% / degree C or 2 mV / degree C.

### 5.) Two (2) unit of FUNCTION GENERATOR

#### Specification:

- Outputs: Square wave, sine wave, triangle wave, TTL pulse, positive and negative ramp, pulse and skewed sine wave, AM, and sweep functions.
- Frequency Ranges: 0.1 Hz to 11 MHz, up/down range switchable in eight decade steps.
- Main Output Amplitude: Two ranges: 0-20 VP-p, 200 mV to 20 VP-p (open circuit), 100 mV to 10 VP-p (50 ohm load), 0-0.2 VP-p, 20 mV to 2 VP-p (open circuit), 10 mV to 1 VP-p (50 ohm load).

- Amplitude Modulation: 100 percent with  $\leq 5$  VP-p DC to 200 kHz DSB suppressed carrier modulation is also obtained by input modulating the signal with  $\geq +2.5$  V DC offset Input impedance = 3 k ohm.

#### 6.) Two (2) unit of SINGLE PHASE CAPACITIVE LOAD

Specification:

- 3 separate capacitive sectors
- 21 values of single-phase reactive power
- 7 values of three-phase reactive power
- Safety terminals and protection by fuses
- Power supply: 230/400 V 50 Hz (Other voltage and frequency on request)
- Max apparent power: 1350 VA
- This load is also provided with technical manual and set of 9 cables with safety plugs.
- Dimensions and net weight: 525 x 500 x 200 mm - 16 kg

#### 7.) One (1) unit of THREE PHASE POWER SUPPLY

Specification:

- Maximum output power: 10,000 W
- Operating range: 200 - 240 VAC (line-to-line) (nominal).
- AC input line frequency: 60 Hz (nominal).
- AC input current rating: 28.3 A @ 240 VAC maximum (line-to-line).
- Maximum input: 11,765 W per input.

#### 8.) Five (5) unit of DIGITAL WATTMETER

Specification:

- Current Range: 1A to 10A AC direct and for higher ranges through CT/1A or 5A
- Voltage: 110V/220V/440V and through PT for Higher Voltage
- Accuracy: (Watt meter:  $\pm 1.5\%$  of full scale power factor meter  $\pm 2^\circ$  of phase angle)

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. 9184 (The Government Procurement Reform 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.

#### IMPORTANT NOTICE FOR BIDDERS:

1. Bidding papers may be acquired starting December 4 until December 12, 2023 from the BAC Office or download from website ([www.wmsu.edu.ph](http://www.wmsu.edu.ph)). The WESTERN MINDANAO STATE UNIVERSITY shall allow the bidder to present its proof of payment for the Bidding Documents fees before Five Hundred Pesos (Php.500.00). (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 quotation duly signed by your representative in a sealed envelope.

4. Bid Submission will be on or before December 12, 2023 at 9:30 A.M. through Manual Submission.

5. Bid opening shall be on December 12, 2023 at 9:30 A.M. at BAC Office, 2nd 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.

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

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

8. 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.

9. 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.