



Republic of the Philippines
WESTERN MINDANAO STATE UNIVERSITY
Zamboanga City
Telephone No.: 062-991-7875
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.) 1 Piece GRAIN MOISTURE METER
LCD Display Digital
Specifications:
Dimension: From tip of handle to end of probe: 450 mm, Width: 70 mm
Type of Grain: Measure up to 14 species (Rice Wheat, Corn, Barley, Rice, Srghum, Feed, Rapeseed Melon Seeds, Sesame, Soybean Meal, Soybean, Peanut, Cotton)
Measurement Range: 5 - 49.9%
Resolution: 0.1%
Error Value: +/- 0.5%
Applicable Temperature: -25 - 50 degree Celsius
for: Agricultural and Biosystems Engineering

- 2.) 1 Piece DIGITAL PORTABLE SOIL MOISTURE METER
4 in 1 multifunctional soil tester (Soil Moisture, Ph, Temperature, & Sunlight Level)
Large Screen & LCD Backlight Display
4 pcs. AAA 1.5 Volts Battery Operated
Battery Low Status Alert
Temperature Selection (degree Celsius /degree Fahrenheit)
Lower Temperature Rating: 16 degree Celsius
Mounting Type: Tabletop
Upper Temperature Rating: 122 degree Fahrenheit
for: Agricultural and Biosystems Engineering

- 3.) 1 Unit SLING PSYCHROMETER
Specifications:
Humidity Range: 10% - 100%
Humidity Division: 2%
Humidity Accuracy: 1%
Temperature Selection: degree Celsius
Temperature Range: -5 degree Celsius to 50 degree Celsius
Dimension: 41 x 213 x 19.5 mm (D x H x W)
for: Agricultural and Biosystems Engineering

- 4.) 1 Piece FLOW METER
Specifications:
Type: Digital Turbine Meter
Battery Type: 2 x AAA LRO3 batteries

Thread Size: NPT/.5
Connection: Thread
Maximum working Pressure: 25 bar/40 bar
Working Temperature: -10 degree celsius ~+60 degree Celsius (14F ~ 140F)
Inner Thread: 32 mm
Dimensions: 66 mm x 105 mm (HxL)
Application: Water, Diesel, Gasoline
for: Agricultural and Biosystems Engineering

- 5.) 1 Piece RAIN GAUGE
MATERIAL: POLYCARBONATE UV STABILIZED TRANSPARENCY
Quick & easy to install
Rain catchment funnel lid
Easy read scale measures in 0.25 mm or 1/100ths of an inch
Large capacity outer tube for heavy rainfall collection
Rain collection capacity of inner tube 25 mm/1 inch
Total collection capacity 280 mm/11 inches
No metal parts to rust
Frost and Sun hardy
for: Agricultural and Biosystems Engineering
- 6.) 1 Piece VISCOMETER
Specifications:
Measurement Range: 20 - 100 mm²/s
Volume: 10 ml
Capillary Inner Diameter/Nozzle diameter: 1 mm
Ball Capacity: 4.0 ml
Material: Borosilicate Glass
Total Length: 283 mm
for: Agricultural and Biosystems Engineering
- 7.) 1 Piece KWH-METER
240 VOLTS, SINGLE PHASE ELECTRIC METER, 60AMP
for Electrical Engineering
- 8.) 1 Unit THERMOCOUPLE DATA LOGGER
4 CHANNELS DIGITAL THERMOMETER
32-bit high-speed low-power MCU
Four channels
PC real time monitor (YET-640X)
K, T and J type thermocouple supported
Resolution up to 0.01
Factory accuracy $\pm(0.3\%|t|+0.40)$?
Accuracy up to ± 0.17 after point calibration
Measuring range -200-+1370
Display temperature graph
- 9.) 1 Piece SOLAR METER
PV Solar MPPT Meter
5-800W PV Module
Maximum Power Tester
Open Circuit Voltage Short Circuit Current Lmp Vmp Test

for Electrical Engineering

10.) 1 Piece INFRARED THERMOMETER
Description: Digital Infrared Thermometer
Quick Measurement in less than 0.5s
Power Source: Battery: (1.5V, AAA x 2)
C/F Measurement Unit Conversion
High Definition LCD Display Screen
Temperature Range: -30 degree Celsius - 380 degree Celsius
With Data Retention, NCV, Diode, On-Off, Low voltage Indication, Automatic Shutdown, LCD Backlight. Flashlight, etc.
Zero-Point auto-Correct Hook for Accurate measurement starting from zero
for: Agricultural and Biosystems Engineering

11.) 1 Unit GASOLINE ENGINE
Maximum output: 6.5HP
Camshaft diameter: 19mm, Q TYPE
Maximum torque: 12.4Nm
Engine type: 4 stroke, OHV
Displacement: 1 96ml
Bore x Stroke: 68 x 54mm
Fuel tank(L): 3.6L
Oil capacity: 0.6L

FEATURES:
Cooling System: Air-cooled
Ignition system: T.C.I
Starting system: Recoil

With One (1) Year Warranty
for: Agricultural and Biosystems Engineering

12.) 1 Unit DIESEL ENGINE
Engine type: 4 inline Vertical type 4-stroke engine
Max.output: 20 HP (9.0kW)
Max. torque: 23.75 Nm
Shaft diameter: 25.4 mm
Displacement: 531 cc
Engine rotation speed: 3600 rpm
With stainless pipe
Combustion system: Direct injection
Bore x stroke: 95 x 75mm
Fuel tank capacity (L): 5.5 L
Lube capacity (L):1.65 L
Starting model: Recoil start

With One (1) Year Warranty
for: Agricultural and Biosystems Engineering

13.) 1 Unit CENTRIFUGAL PUMP
. Inlet Diameter: 3 inches
. Outlet Diameter: 3 inches

- . Max Lift Head: 30 m
- . Max Suction Head: 8 m
- . Max Flow Rate: 35 m³/h
- . Fuel tank capacity: 3.6 L
- . Engine Model: 168-170 (6.5HP)
- . Starting System: Recoil Starter
- . Voltage: 220 - 240 volts, 60 Hz frequency
- . Motor type: Copper Wire Motor
- . Impeller Material: Stainless Steel

With One (1) Year Warranty

for: Agricultural and Biosystems Engineering

- 14.) 1 Unit ELECTRIC MOTOR
- .Bidirectional Motor
 - .Grinder/mill/grinder/blender/grass cutter/motor
 - .Nominal voltage: 220V
 - .Frequency: 60Hz
 - .2.2 kW Rated Power
 - .Rated current: 5.6A
 - .BPM:2800r/min
 - .Protection grade: IP44
 - .Size: 34 * 22 * 25cm
- for: Agricultural and Biosystems Engineering*

- 15.) 1 Unit COLOROMETER
- Specifications:
- .Accuracy: ± 0.5 at 1A
 - .Wavelength Range: 400 to 700 nm
 - .Height (metric): 60mm
 - .Photometric Repeatability: ± 0.02 A at 1A
 - .Resolution: 0.02 at 1A (Absorbance) I, 2% (Transmission)
 - .Spectra Bandwidth: 40nm
 - . Voltage: 40V
 - .Electric Requirements: 240V, 50/60 Hz
 - .Transmission Range: 0 to 199%
 - .Width (metric): 146mm

To include accessories:

- .Plastic and Glass Cuvette
- .Color Reference Standards

With Onsite Training

for: Agricultural and Biosystems Engineering

- 16.) 1 Unit MULTIMETER (DIGITAL)
- Specifications:
- .Display Type: digital
 - .True RMS: Yes
 - .Large-Scale Display
 - .6000 Display Count
 - .Handheld

- .Functions Measured: AC Creent, ACmVoltage, Capacitance, Continuity, DC Current, DC Voltage, Dioded, Resistance
- .Abs, max. DC current Measurement: 10A dc
- .Abs. max. AC Resistance Measurement: 60M
- .Abs max. AC Voltage MEasurement: 750V ac
- .Abs. max. DC Voltage Measurement: 1000V dc
- .Abs max. Capacitance Measurement: 6mF
- .Max. Frequency: 60MHz
- .DC Current Measurement Resolution: 0.1uA dc
- .AC Current Measurement Resolution: 0.1 uA ac
- .Resistance Measurement Resolution: 100m
- .DC Voltage measurement Resolution: 0.1mv dc AC Voltage Measurement Resolution: 0.1mV ac
- .Capacitance Measurement Resolution: 1pF
- .Battery Life; at least 300 h
- .Min Operating Temp.: 0 degree Celsius
- .Max. Operating Temp.: 50 degree Celsius
- .Measurement Accuracy: $\pm 1.9\% + 8$ digits Resistance Measurement Accuracy: $\pm 0.7\% + 2$ Digits
- .AC Voltage Accuracy: $\pm 0.9\% + 5$ Digits
- .Safety Category Voltage: 600V, 1000V
- .DC Current Accuracy: $\pm 1\% + 2$ Digits
- .AC Current Accuracy: $\pm 1.5\% + 5$ Digits
- .DC voltage Accuracy: $\pm 0.5\% + 2$ Digits
- .Dimension: at least 82 x 44 x 164mm

for: Electrical Engineering

- 17.) 5 Pieces ANALOG/DIGITAL DC AMMETER
- .Micro controller based meters with low VA burden.
 - .4 Digit seven segment display.
 - .Shunt selectable with primary range 1 A to 50 kA DC programmable.
 - .Shunt Secondary range 0-75 m V.
 - .Password protected.
 - .Auto scaling of parameter values.
 - .Two switches for easy on site programming.
 - .Touch proof voltage & current terminals.
 - .Compact size and light weight.
 - .ABS dust-proof rugged casing.
 - .Current displayed with Kilo indication
- for: Electrical Engineering*

- 18.) 2 Units HOT PLATE WITH MAGNETIC STIRRER
- Specifications:
- .Work Plate Dimension (W x D): at least 140 x 140 mm
 - .Work Plate Materials: Aluminum Cover wth Ceramic Coating
 - .Motor Type: Brushless DC Motor
 - .Stirring Positions: 1
 - .Max. Stirring Quantity (h2): 5L
 - .Max magnetic Bar (length): 40mm
 - .Speed Range: 200-1500 rpm
 - .Speed Display: LCD
 - .Motor Input Power: 2.4W
 - .Motor Output POver: 1.8W

.Power: 10W
.Voltage, Frequency: 220V, 50/60Hz
.Permissible ambient temperature and humidity: 5-40 degree Celsius, 80%RH
for: Sanitary Engineering

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 May 8 until May 20, 2025 from the BAC Office or download from website (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 the submission of their bids, pursuant to the latest Guidelines issued by the GPPB, in the amount of One Thousand Pesos (Php.1,000.00). (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 quotation duly signed by your representative in a sealed envelope.
4. Bid Submission will be on or before **May 20, 2025 at 9:30 A.M.** through **Manual Submission**.
5. Bid opening shall be on **May 20, 2025 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.