



Republic of the Philippines
WESTERN MINDANAO STATE UNIVERSITY
Zamboanga City
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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.) Three (3) unit of ANALYTICAL BALANCE

Specifications:

Model: BP2003P
Capacity: 200g
Readability: 1mg
Scale Size: 80mm
Stable Time: 1s
Read Ability: 2mg
Liner: 3mg
N.W.: 6.8kg
External Size: 350*215*340mm
Package Size: 480*375*515mm
G.W.: 8.5kg
Work Space Height: 240mm
Calibration: External Cal.

2.) One (1) unit of BIOSAFETY CABINET

Specifications:

External Size: (WxDxH): 700*650*1230mm (without base stand)
Internal Size (WxDxH): 600*500*540mm
Tetsted Opening: Safety Height 200mm(8")
Max Opening: 370mm(15")
Inflow Velocity: 0.53/1.025m/s
Down Flow Velocity: 0.33/0.025m/s
HEPA Filter: Two, 99.995% efficiency at 0.3µm. Filter life indicator
Front Window: Motorized. Single Layer toughened glass 5mm. anti UV
Noise: 67 dB
UV Lamp: 15W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination
LED Lamp: 8W*2
Illumination: 1000Lux
Consumption: 700W
Socket: Two, total load of two sockets: 500W
Display: LCD Display
Control System: Microprocessor
Airflow System: 70% air recirculation, 30% air exhaust
Visual and Audio Alarm: Filter replacement, window over height, abnormal air flow velocity; High filter pressure alarm
Materials: work zone - 304 stainless steel, main body - cold-rolled steel with anti-bacteria powder coating
Work Surface Height: 750mm with optional base stand
Power Supply: AC220V/60HZ
Standard Accessory: LED Lamp*2, UV Lamp*1, Remote Control, Waterproof sockets*2, base stand
Optional Accessory: SS Water tap*1, SS Gas tap*1
Packing Size (without base stand): Carton: 730*787*1450mm
Wood: 860*780*1420mm
Gross Weight (without base stand): Carton: 120kg
wood: 140kg
Packing Size (with base stand): Carton: 730*787*1450mm
Wood: 860*780*1420mm
Gross Weight (with base stand): Carton: 120kg
wood: 140kg

3.) One (1) unit of COLORIMETER

Key Features

- Advance from visual to electronic color measurement with confidence
- Interpret result easily with visual color comparison mode and direct digital reading
- Obtain quality checks with the on-screen warning system-results displayed in green, yellow and red
- Easily set time, date, preferences, and projects through the intuitive touch screen
- Save 20,000 individual readings to the internal memory
- Internationally recognized industry standards

Includes

- plastic and glass curvettes
- color reference standards
- cell divider
- screwdriver
- USB power supply and cable
- four AA batteries
- and hard-sided carrying case

4.) One (1) unit of CENTRIFUGE

Specifications:

Max Capacity: 6*50ml
Max Speed: 4000rpm
Max RCF: 2250xg
Timing Range: 99min
Speed Precision: 2%
Noise: 65dB
Consumption: 150w
Power Supply: AC220V, 50/60Hz
External Size (L*W*H)mm: 450*370*280
Net Weight (kg): 18
Package Size (L*W*H)mm: 470*400*375
Gross Weight(kg): 22
Rotor: Angle Rotor
no. 4M0001
Capacity: 6*50ml

5.) Two (2) unit of SAFETY CHEMICAL STORAGE SHELF/CABINET

Specifications:

External dimensions (mm): 470x1800x900
Inner dimensions (mm): 440x860x260 (x3 stages); 860x440x382 (x2 stages)
Main unit material: 20mm thick particle board (surface: ply plywood (antibacterial),cosmetic board) with rails/steel
Shelf load tolerance: Fixed shelf/30 kg, rail shelf/20kg
mm Tana: 260, 382 pitch
Drawer: 430mm (slide rail shelf)
Weight: 81kg
Accessories: Drug tray: 9 pieces
Consolidated metal bracket: bolt x 2 pieces
Fixed metal bracket: L metal bracket x 2 pieces

6.) Three (3) unit of BINOCULAR 5 MP DIGITAL MICROSCOPE

Specifications:

- Binocular model
- Integrated 5.0 MP CMOS color USB.2 camera
- 2592x1944 pixels
- 7 frames per second (2592x1944 pixels)
- 27 frames per second (1280x960 pixels)
- Imagefocus Alpha software
- CAMERA: -digital bScope microscopes

-5.0 MP 1/2.5 inch CMOS USB-2.0 camera, 24 bits color depth, 7 frames-per second (1280x960 pixels)
-dynamic range is 76 db and signal/noise ratio 41 db
-supplied with ImageFocus Alpha Software
-USB-2.0 cable and a micrometer 1mm/100 calibration slide
-SOFTWARE: the capture and analysis imagefocus alpha software allows to save images in .jpeg, .tif, .bmp or dicom formats as well as .avi format videos. measurements and annotations can be done on live or captured images. compatible with windows 7, 8 and 10 both 32 and 64 bits configurations. a Mac OS version is also available. Free updates can be downloaded from our website.

7.) Two (2) unit of DIGITAL VERNIER CALIPER 150mm STAINLESS STEEL

Specifications:

Type: Digital
Igaging Ez Cal Ip54 0-12" Super Large Lcd Display Digital
Caliper Igaging Igaging Ez Cal Ip54 0-12" Super Large Lcd
Display Digital Caliper

8.) One (1) unit of DISTILLING APPARATUS

Specifications:

Voltage: 110-120 volt
Water Flow Rate: 1 litre/minute or higher
Water Pressure: Minimum Pressure 3 p.s.i
Distillate Temperature: 25-35 Degree C
Conductivity: 3.0 - 4.0 S per cm
Water Still Output: 4 liters/hour or higher
PH: 5.0 - 6.5.

9.) One (1) unit of FUMEHOOD

Specifications:

External Size (W*D*H): 1000*800*2515mm
Instrument Size (W*D*H): 790*600*870mm
Work Surface Height: 900mm
Max Opening: 750mm
Air Velocity: 0.3~0.8m/s
System Exhaust Volume: 570m³/h
Power Supply: 220V/60Hz
Switches: Fan & Light
Sash: Safety Glass
Superstructure: Epoxy powder coated Steel
Inner Liner: Acid & Alkali resistant fiber glass
Base Cabinet: Safety storage cabinet or normal base cabinet
Water outlet & cupsink: Polypropylene or epoxy resin cupsink
Work top: Chemical resistant worktop
Color coded for gas and water valve
Remote control
With complete accessories and Installation
With On Site Training

10.) Five (5) unit of HOTPLATE with MAGNETIC STIRRER

Specifications:

Work plate Dimension (W x D): 184 x 184mm
(7 inch)
Work Plate Material: White Glass Ceramic
Motor Type: Brushless DC Motor
Stirring Position: 1
Max. Stirring Quantity: 20L
Max. Magnetic Bar (Length): 80mm
Speed Range: 100~2000rpm, Resolution±1rpm
Speed Display: LCD
Temp. Display: LCD
Heating Temp. Range: Room Temp. -5000C, Increment 10C
Temp. Control |Accuracy: ±10C (<1000C) ±1% (>1000C)
Max. Heating plate Temp.: up to 5500C
Overheating Protection: 5800C

Temp. Display Accuracy: $\pm 10^{\circ}\text{C}$
External Temp. Sensor: PT1000 (Accuracy $\pm 0.20^{\circ}\text{C}$)
"HOT" warning at 50 degrees C

11.) Three (3) unit of BENCH TOP pH METER

Specifications:

PH Range: 0.00~14.00ph

PH Accuracy: 0.05ph

Resolution: 0.01ph

Calibration Points: 2 points

Calibration solutions: (ph4.01/7.00/10.01)

mV Range: -1999~1999mV

mV Accuracy: 10mV

Resolution: 1mV

Temperature Compensation: 0~100 celcius, manual

Connector: BNC, 3.5mm jack socket

Display: LCD

Power Requirements: DC9V/400mA power adapter

Dimensions(mm): at least 210*205*65

12.) Two 2 unit of SOIL MOISTURE TESTER/METER

Specifications:

Sensor Type: PIN

Content Analyzer/Range: 0~80%

Digital Display: LCD

Restore: 99 groups of measurements

Accuracy: $\pm (0.5\% n+1)$ or higher

Resolution: 0.1

Condition Temp.: 0~500C

Humidity: <90% RH

Power Supply: 4 x 1.5 V

Statistical Available: LastValue/MeanValue/Max Value, Min Value/Number of Readings

13.) One (1) unit of ADJUSTABLE VOLUME PIPETTOR (10-100 μl)

Specifications:

Chemical resistant PTFE O-rings and seals that can handle solvents

PDF nozzle and PP shaft

Fully autoclavable

UV resistant for flexible sterilization

One touch calibration

Wetted materials are made up of at least stainless steel (SS) and polypropylene (PP) plunger assembly

Volume of 10-100 μL

Increments of 0.1 μL

Accuracy of $\pm 2.0\%$ to $\pm 0.8\%$

Tip ejector is present

Comes with pipette tips (1000pcs/pack)

14.) Four (4) unit of SOIL PARAMETER SENSOR SET

Compose of the ff. sensors:

Soil Nitrogen Concentration Sensor

Soil Phosphorus Concentration Sensor

Soil Potassium Concentration Sensor

Range: 1-999mg/kg

$\pm 2\%$ F.S..

15.) One (1) unit of SPECTROPHOTOMETER

Specifications:

Optical System: Single beam, grating 1200lines/mm

Wavelength range: 200-1020nm

Spectral bandwidth: 4nm

Wavelength accuracy: 1.8nm

Wavelength repeatability: 0.5nm

Photometric Accuracy: 0.002A(0-0.5Abs), 0.004A (0.5-1.0Abs), 0.5% T (0-100%T)

Photometric repeatability: 0.001Abs(0-0.5Abs), 0.002Abs (0.5-1Abs), 0.2% T (0-100%T)

Stray light: 0.2% T @ 360nm; 220nm (UV)

Stability: 0.002A/h@500nm

Noise: 0.001A

Display: 128*64 Dots LCD

Photometric Mode: T, A, C, E
Photometric range: 0-200%T,-0.301~3.0A
Detector: Silicon Photodiode
Light Source: Deuterium lamp, tungsten lamp
Input: Membrane keypad
Output: Parallel Print, USB 1.0
Standard Accessories: 1cm glass cuvette *4 units 1cm quartz cuvette *2 1cm quadruple cuvette holder *1
Optional Accessories: General application software, 1cm standard single lot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four slot water bath type constant temperature absorption pool, X-Y adjustable micro absorption pool, single bath type constant temperature absorption pool
. Power Supply: AC110V/220 10%, 60/50Hz

- With On Site Training

16.) Four (4) unit of LABORATORY STAINLESS CART

Specifications:

Material: Solid Stainless Steel
Capacity: At least 700lbs
Dimension: 24"W x 26"L x 36"H
Layers:3
With Handle

17.) Two (2) unit of UV STERILIZATION CABINET

Specifications:

Type: with Ozone
UV Ray Wavelength: 253.7/184.9nm
Sterilization Way: 2 sides of UV ray+1 side of Ozone
Capacity: 200L
Power: 120W
UV Lamp Materials: Quartz glass
Shelves: Standard 2pc. can be optional
Internal Size: at least 518x523x778mm
External Size: at least 750x663x1200mm

18.) Two (2) unit of DIGITAL WEIGHING SCALE

Specifications:

Weighing capacity: 15kg or higher
Scale type: Bench
Resolution: 87.5
Plug Type: type C-European Plug
Weigh pan Length: 285mm
Weigh pan Width: 255mm
Weigh pan Height: 90mm
Net Weight: 3.75kg or higher
Min. Operating Temp.: +10 degree celcius
Min. Operating Temp.: +35 degree celcius.

19.) Four (4) unit of PORTABLE TEMPERATURE AND HUMIDITY DATA LOGGER

Specifications:

Temp. Range: -40 degree celcius~85 degree celcius
Humidity Range: 0~100%RH
Temperature Accuracy: 0.5
Humidity Accuracy: 3%RH
Temperature Resolution: 0.1oC
Humidity Resolution: 3%RH
Recording capacity: 16000 points(MAX).

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 November 22 until December 12, 2023 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 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 quotation duly signed by your representative in a sealed envelope.
4. Pre-Bid Conference will be on November 29, 2023, 9:30 AM at BAC Office for Goods, WMSU, 2nd Floor Administration Building, 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 December 12, 2023 at 9:30 A.M. through Manual Submission.
6. 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.
7. Price validity shall be for a period of 120 calendar days.
8. Bidders shall submit original brochures showing of the product being offered.
9. 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.
10. 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.