



Republic of the Philippines  
WESTERN MINDANAO STATE UNIVERSITY  
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## 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.)        2    Units    **Analytical Balance**  
Specifications:
  - capacity: at least 120 grams
  - with built-in overload protection
  - with USB interface for connectivity to PC and/or printer
  - minimum display: 0.0001 gram
  - units used: grams, milligrams
  - language: english
  - output: USB and LCD display
  - repeatability (standard deviation)  $\pm 0.1\text{mg}$
  - linearity:  $\pm 0.0002$  grams
  - response time: at least 2 sec
  - with stabilization indicator
  - pan size: approx. 80mm diameter
  - calibration type: external 0.1mg
  - operation temperature range: 5-40°C
  - rated electric power supply: DC 12V, 1A
  - AC Adapter (primarily) AC 100-240V, 400MA 50/60Hz
  - main body dimension: approx. 7.5 heights x 8.5 in width x 13 in depth
  - draft shield dimension: approx. 7.5 in height x 8.5 in width x 9.5 in depth
  - option: dual power source (battery 12V/electric)
  
- 2.)        1    Unit    **Adjustable Volume Pipetor**  
Specifications:
  - single channel, adjustable manual
  - chemical resistant PTFE O-ring & seals that can handle solvent
  - PDF nozzle and PP shaft
  - fully autoclavable without disassembling
  - UV resistant for flexible sterilization
  - one touch calibration
  - wetted materials are made up of at least stainless steel and polypropylene plunger assembly
  - variable volume 0 to 5ml
  - increment of 0.1ml

- accuracy +/-1%
- light pipetting and tip ejection
- with 1000 pieces 1ml pipet tips

3.) 1 Unit

**Fume Hood**

Specifications:

- sash: tempered safety glass
- superstructure: epoxy powder coated steel
- inner liner: acid and alkali resistant fiberglass
- base cabinet: safety storage cabinet or normal base cabinet
- water outlet and cupsink: polypropylene or epoxy resin cupsink
- valve control: color-coded control service valve for glass and water
- worktop: chemical resistant worktop
- power supply 220V 60Hz
- Switches: fan and light
- with vapor proof light and exhaust blower
- with at least 6ft cord with plug
- air velocity: 0.3 to 0.45 m/s
- noise: 50-60 dB
- hood width: 36 inches (depth)

4.) 1 Unit

**Stomacher**

Specifications:

- body: stainless steel build (grade 304L)
- with window door
- with multi-function digital screen
- useful volume: within 50-400ml
- variable speed: 4-6-8-10 strokes
- blending time: 1S-1H or continuous/countdown
- adjustable blending power
- click and clean removable paddles
- side by side paddle stop
- tight closing for no more leaks from top of the bag
- fully opening door (around 270 degrees)
- security drip tray
- power: 100-240; 50-60Hz
- FDA BAM compliant
- speed range: 200/230/260 rpm

To include:

- 1 set of bags with filter, 400ml capacity (500pcs/set)
- 1 set of closing clips for the 400ml capacity bag (50pcs/set)
- storage racks for 400ml capacity bags
- bag opener stand for 400ml capacity

Training of the End-users:

- sample handling technique
- hands-on training
- maintenance and trouble shooting

5.) 1 Unit **UV-VIS Spectrophotometer**

Specifications:

- beam type: double
- source lamp: Xenon
- bandwidth: variable (1.0nm, 2.0nm) - optimized to microcell, fiber optic and material sample
- wavelength range: 190nm-1100nm
- sampling accessory compatibility: solid samples, liquid samples, with diverse sizes, thin films, fiber optics
- sample compartment: large size and room light (external light resistant)
- resolution: >1.6 (peak-to-valley ratio; toluene in hexane)
- wavelength accuracy:  $\pm 0.8\text{nm}$
- wavelength reproducibility:  $\pm 0.1$  to  $\pm 0.5\text{nm}$
- photometric readout types: absorbance, % transmittance, concentration, % reflectance, intensity,  $\log(1/R)$ , Log absorbance kubelka-munk
- data intervals: 10, 5, 2, 1.0, 0.5, 0.2, 0.1nm
- detector: dual silicon photodiodes
- output: with full USB connectivity that can be connected to external printer and desktop PC
- photometric range: around >3.5A
- photometric display range: -0.3 to 4.0A
- photometric drift: within <0.0005 A/hr
- scan speed: (variable scan speed) within 6,000nm/min and slow speed) within 31,000nm/min
- power requirement: 110-240V, 50-60Hz (auto, atic selector) at maximum of 150W
- with companion software displaying and reporting experimental and analytical results

To include:

- 1 single position cell holder
- 1 set magnetic film holder sample slide, holds thin films for transmission analysis
- 1 set sample slide holder and base-plate
- 1 pc cuvette holder for integrating sphere accessory
- 1 unit integrating sphere accessory with single beam, for transmittance and reflectance mode
- 4 to 6 pcs rectangular quartz cuvette, 10mm path length, around 3.5ml to 4.0ml capacity
- 1 pc desktop for data processing with microsoft office (Licensed OS & Office)
- 1 desktop printer with continuous ink (3-in-1 printer)
- 1 automatic voltage regulator
- 1 uninterruptible power supply at least 3KVA

Installation and Training Coverage:

- site protection and check-up of the instrument

- installation and the run

Training of the End-users:

- basic theory
- sample handling technique
- hands-on training
- software and results interpretation
- maintenance and trouble shooting

6.) 3 Units **Hotplate with Magnetic Stirrers**

Specifications:

- chemical resistant while ceramic work surface
- compatible with varied types of glass beakers, flasks, bottles and vessels
- with support rod for mounting thermometers and temperature probes
- chemically resistant to acid and alkali
- top plate material: stainless steel/chemical resistant while ceramic work surface
- controls for both hotplate and stirrer should be provided with digital display
- necessary electrical cable should be provided
- stirring speed: up to 1200 rpm with good speed stability
- heating capacity: 600W
- hotplate size: at least 170mm dia
- supply: 220/240V, 50Hz, A.C.
- shaking movement: orbital
- temperature range: up to 380C
- permissible ambient temperature: 5-45C

7.) 1 Unit **Microbiological Incubator**

Specifications:

- wide temperature range: ambient +5°/10° to 75°C
- volume: 44 cubic feet
- corrosion resistant stainless (2 shelves)
- electrical requirement: 120 to 240V, 50/60Hz
- easy to set up flexible shelving (2 shelves)
- digital display with microprocessor controller
- automatic over temperature alarm
- with easy temperature setting

\* training of the end-users:

- hands-on training
- maintenance and trouble shooting

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 shall be available upon payment of a non-refundable fee of **Five Thousand Pesos Only (Php. 5,000.00)**. Eligible bidders that will download the bidding paper from the PhilGEPS website shall pay the said fee before the submission of their bids. (Please attached the Xerox 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 Proposal, Financial Proposal and clearly mark each "ORIGINAL – ELIGIBILITY DOCUMENTS", "ORIGINAL - TECHNICAL PROPOSAL", and "ORIGINAL – FINANCIAL PROPOSAL", respectively. Bidders shall submit three (3) copies of each bidding documents- "Original", Copy 1", and Copy 2". 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 opening shall be on **April 17, 2018** at 10:00 A.M. at BAC Office, Ground Floor Executive 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.
5. Price validity shall be for a period of 120 calendar days.
6. Bidders shall submit original brochures showing certifications of the product being offered.
7. 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.
8. 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.