



## BID BULLETIN

PhilGEPS Reference No.: 10337976

Solicitation: PR 23-10-479

Project Name: **Supply and Delivery of Various Laboratory Supplies, Materials and Equipment of the College of Agriculture for the University (ABC: Php. 3,966,000.00)**

After the Pre-Bid Conference held November 29, 2023 Wednesday 9:30 AM at the BAC Office, Western Mindanao State University, Normal Road, Zamboanga City, the following changes/clarifications by the end-user;

### A. CHANGES/CLARIFICATIONS:

Item No.	From	To
1	<b>ANALYTICAL BALANCE</b> 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	<b>ANALYTICAL BALANCE</b> <ul style="list-style-type: none"> <li>• <i>Specification:</i></li> <li>• <i>Capacity: 320g</i></li> <li>• <i>Minimum Display: 0.1mg</i></li> <li>• <i>Repeatability: (Standard Deviation) ≤0.1 mg</i></li> <li>• <i>Linearity: ±0.2mg</i></li> <li>• <i>Response Time: 3s</i></li> <li>• <i>Pan Size: 80mm Dia. Approx.</i></li> <li>• <i>Calibration Weight: Built-in</i></li> <li>• <i>Operating Temp. Range: 5 to 40 deg. C.</i></li> <li>• <i>Rated Electric Power Supply: DC 12V 1A, AC Adapter (Primary) AC 100-240 V, 400mA, 60Hz</i></li> </ul>
2	<b>BIOSAFETY CABINET</b> 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 0.3pm. 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	<b>BIOSAFETY CABINET</b> <b>Specifications:</b> <ul style="list-style-type: none"> <li>• <i>External Size: (WxDxH): 700*650*1230mm (with base stand)</i></li> <li>• <i>Internal Size (WxDxH): 600*500*540mm</i></li> <li>• <i>Tested Opening: Safety Height 200mm (8")</i></li> <li>• <i>Max Opening: at least 350mm</i></li> <li>• <i>Inflow Velocity: 0.53/0.025m/s</i></li> <li>• <i>Down Flow Velocity: 0.33/0.025m/s</i></li> <li>• <i>HEPA Filter: Two, 99.995% efficiency at 0.3pm. Filter life indicator</i></li> <li>• <i>Front Window: Motorized. Single Layer toughened glass 5mm. anti UV</i></li> <li>• <i>Noise: 67 dB</i></li> <li>• <i>UV Lamp: 15W*1 UV timer, UV life indicator, emission of 253.7 nm for most efficient decontamination</i></li> <li>• <i>LED Lamp: 8W*2</i></li> <li>• <i>Illumination: 1000Lux</i></li> <li>• <i>Consumption: 700W</i></li> <li>• <i>Socket: Two, total load of two sockets: 500W</i></li> </ul>



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	<p>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</p>	<ul style="list-style-type: none"> <li>• <i>Display: LCD Display</i></li> <li>• <i>Control System: Microprocessor</i></li> <li>• <i>Airflow System: 70% air recirculation, 30% air exhaust</i></li> <li>• <i>Visual and Audio Alarm: Filter replacement, window over height, abnormal air flow velocity; High filter pressure alarm</i></li> <li>• <i>Materials: work zone - 304 stainless steel, main body - cold-rolled steel with anti-bacteria powder coating</i></li> <li>• <i>Work Surface Height: 750mm with optional base stand</i></li> <li>• <i>Power Supply: AC220V/60HZ</i></li> <li>• <i>Standard Accessory: LED Lamp*2, UV Lamp*1, Remote Control, Waterproof sockets*2, base stand</i></li> <li>• <i>Optional Accessory: SS Water tap*1, SS Gas tap*1</i></li> </ul> <p><b><i>With On Site Training</i></b></p>
<p><b>3</b></p>	<p><b>COLORIMETER</b>          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  <i>Includes:</i>          -Plastic and glass cuvettes          -color reference standards          -cell divider          -screwdriver          -USB power supply and cable          -four AA batteries          -and hard-sided carrying case</p>	<p><b><i>DIGITAL COLORIMETER</i></b>  <i>Specifications:</i></p> <ul style="list-style-type: none"> <li>• <i>Accuracy: ±0.05A at 1A</i></li> <li>• <i>Wavelength Range: 400 to 700nm</i></li> <li>• <i>Height (Metric): 60nm</i></li> <li>• <i>Photometric Repeatability: ±0.02 A at 1A</i></li> <li>• <i>Resolution: 0.02 at 1 A (Absorbance), 2% (Transmission)</i></li> <li>• <i>Spectra Bandwidth: 40nm</i></li> <li>• <i>Voltage: 240V</i></li> <li>• <i>Electrical Requirements: 240V, 50/60Hz</i></li> <li>• <i>Transmission Range: 0 to 199%</i></li> <li>• <i>Width (Metric): 146nm</i></li> </ul> <p><i>To include Accessories:</i></p> <ul style="list-style-type: none"> <li>• <i>Plastic and Glass Cuvette</i></li> <li>• <i>Color Reference Standards</i></li> <li>• <i>For Liquid and Solid</i></li> </ul> <p><b><i>With On Site Training</i></b></p>
<p><b>4</b></p>	<p><b>CENTRIFUGE</b>  <i>Specifications:</i>          Max Capacity: 6*50ml          Max Speed: 4000rpm          Max RCF: 2250xg          Timing Range: 99min          Speed Precision: 2%          Noise: 65dB</p>	<p><b><i>CENTRIFUGE</i></b>  <i>Specifications:</i></p> <ul style="list-style-type: none"> <li>• <i>Max Capacity: 6*50ml</i></li> <li>• <i>Max Speed: 4000rpm</i></li> <li>• <i>Max RCF: 2250xg</i></li> <li>• <i>Timing Range: 1-99min</i></li> <li>• <i>Speed Precision: 2% up to 10rpm</i></li> </ul>



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	<p>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</p>	<ul style="list-style-type: none"> <li>• <i>Noise: 65dB</i></li> <li>• <i>Consumption: 150w</i></li> <li>• <i>Power Supply: AC220V, 50/60Hz</i></li> <li>• <i>External Size: (L*W*H) mm 450*370*280</i></li> <li>• <i>Package Size: (L*W*H) mm: 470*400*375</i></li> <li>• <i>Rotor: Angle Rotor</i></li> <li>• <i>Additional: 10 ml – of 12 rotor</i></li> </ul>
<p><b>5</b></p>	<p><b>SAFETY CHEMICAL STORAGE SHELF/CABINET</b>          Specifications:          External dimensions (mm):          470x1800x900          Inner dimensions (mm): 440x860x260 (x3 stages); 860x440x382 (x2 stages)          Main unit material: 20mm thick particle board (surface: 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</p>	<p><b>SAFETY CHEMICAL STORAGE SHELF/CABINET</b>  <i>Specifications:</i></p> <ul style="list-style-type: none"> <li>• <i>External dimensions (mm): 470x1800x900</i></li> <li>• <i>Inner dimensions (mm): 440x860x260 (x3 stages); 860x440x382 (x2 stages)</i></li> <li>• <i>Main unit material: 20mm thick particle board, surface: plywood (antibacterial), Cosmetic board with rails/steel</i></li> <li>• <i>Shelf load tolerance: Fixed shelf/30 Kg, rail shelf/20kg</i></li> <li>• <i>Mm Tana: 260, 382, pitch</i></li> <li>• <i>Drawer: 430mm (slide rail shelf)</i></li> <li>• <i>Weight: at least 81kg</i></li> <li>• <i>To include the ff. Accessories:</i></li> <li>• <i>Drug tray: 9 pieces</i></li> <li>• <i>Consolidated metal bracket: bolt x 2 pieces</i></li> <li>• <i>Fixed metal bracket: L metal bracket x 2 pieces</i></li> </ul>
<p><b>6</b></p>	<p><b>BINOCULAR 5mp DIGITAL MICROSCOPE</b>          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 microscope          -5.0MP 1/2.5 inch CMOS USB-2.0 camera, 24bits color depth, 7 frames per second (1280x960 pixels)          -dynamic range is 75 db and signal/noise ratio 41db          -supplied with Image Focus Alpha Software          -USB-2.0 cable and a micrometer 1mm/100 calibration slide          -SOFTWARE: the capture and analysis image focus alpha software allows to save image in .jpeg,tif, bmp or dicom formats as well as .avi format video, 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</p>	<p><b>DIGITAL BINOCULAR MICROSCOPE WITH CAMERA</b>  <i>Specifications:</i></p> <ul style="list-style-type: none"> <li>• <i>Binocular Head 30° inclined 360° rotating</i></li> <li>• <i>EWF: 10x/20 mm eyepieces</i></li> <li>• <i>Left eyepiece with ±5 dioptre adjustment</i></li> <li>• <i>With compatible software</i></li> <li>• <i>Interpupillary distance adjustable from 48mm to 76mm</i></li> <li>• <i>Reversed quintuple (5) nosepiece on ball bearings</i></li> <li>• <i>Objectives: 4x, 10x, S40x &amp; S100x oil.</i></li> <li>• <i>Integrated X-Y rack less mechanical stage</i></li> <li>• <i>Coaxial coarse and fine focus adjustment with rack stop</i></li> <li>• <i>Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder</i></li> <li>• <i>Illumination: Dimmable (NeoLED)</i></li> </ul> <p><i>Stage &amp; Focusing</i></p> <ul style="list-style-type: none"> <li>• <i>Mechanical Stage: at least 152/197 x 131 mm with at least 79 x 36 mm X-Y rackless movement.</i></li> </ul>



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	<p>Mac OS version is also available. Free updates can be downloaded from our website</p>	<ul style="list-style-type: none"> <li>• <i>Coaxial coarse and fine focus adjustment: 180 graduations</i></li> <li>• <i>Precision: 1.11µm with 0.2mm per rotation</i></li> <li>• <i>Course Adjustment are equipped with friction control</i></li> <li>• <i>CAMERA</i></li> <li>• <i>5.0MP, 1 /2.5 inch CMOS USB-2.0 Camera</i></li> <li>• <i>24 bits color depth</i></li> <li>• <i>7 frames/sec (2592 x 1944 pixels) or</i></li> <li>• <i>27 frames/sec (1280 x960 Pixels)</i></li> <li>• <i>Dynamic range: at least 76db</i></li> <li>• <i>Image Focus Alpha software</i></li> <li>• <i>Calibration slide: micrometer 1mm/100</i></li> </ul> <p><i>With On Site Training</i></p>
7	<p><b>DIGITAL VERNIER CALIPER 150MM STAINLESS STEEL</b>          Specifications:          Type: Digital          Igaging EZ Cal Ip54 0-12” Super large LCD Display Digital          Caliper Igaging EZ Cal Ip54 0-12” Super Large Lcd Display Digital Caliper</p>	<p><b>DIGITAL VENIER CALIPER</b>          Specification:</p> <ul style="list-style-type: none"> <li>• <i>Capacity: 150mm</i></li> <li>• <i>Accuracy: ±0.03mm</i></li> <li>• <i>Resolution: 0.03mm</i></li> </ul> <p><i>Display: LCD (clear)</i></p>
8	<p><b>DISTILLING APPARATUS</b>          Specifications:          Voltage: 110-120 volt          Water Flow Rate: 1 liter/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</p>	<p><b>LABORATORY WATER DISTILLER</b></p> <ul style="list-style-type: none"> <li>• <i>Voltage: 110-120 volt</i></li> <li>• <i>Water Flow Rate: 1 liter/minute or higher</i></li> <li>• <i>Water Pressure: Minimum Pressure 3 p.s.i.</i></li> <li>• <i>Distillate Temperature: 25-35 Degree C</i></li> <li>• <i>Conductivity: 3.0 – 4.0 S per cm</i></li> <li>• <i>Water Still Output: 4 liters/hour or higher</i></li> <li>• <i>PH: 5.0 – 6.5</i></li> <li>• <i>Resistivity: 0.25 – 0.30 megohm</i></li> <li>• <i>Voltage: 220 V</i></li> </ul>
9	<p><b>FUMEHOOD</b>          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</p>	<p><b>FUMEHOOD</b>          Specifications:</p> <ul style="list-style-type: none"> <li>• <i>External Size (W*D*H*) 1000*800*2515mm</i></li> <li>• <i>Instrument Size (W*D*H*): 790*600*870mm</i></li> <li>• <i>Work Surface Height: 900mm</i></li> <li>• <i>Max Opening: 750mm</i></li> <li>• <i>Air Velocity: 0.3~0.8m/s</i></li> <li>• <i>System Exhaust  Volume: 570m3/h</i></li> <li>• <i>Power Supply: 220V/60Hz</i></li> <li>• <i>Switches: Fan &amp; Light</i></li> <li>• <i>Sash: Safety Glass</i></li> <li>• <i>Superstructure: Epoxy powder coated Steel</i></li> <li>• <i>Inner Liner: Acid &amp; Alkali resistant fiber glass</i></li> <li>• <i>Base Cabinet: Safety storage cabinet or normal base cabinet</i></li> </ul>



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		<ul style="list-style-type: none"> <li>• <i>Water outlet &amp; cupsink:</i> <i>Polypropylene or epoxy resin cupsink</i></li> <li>• <i>Work top: Chemical resistant worktop</i></li> <li>• <i>Color coded for gas and water valve</i></li> <li>• <i>Optional: Remote control</i></li> </ul> <p><b><i>With complete accessories and Installation</i></b>  <b><i>With On Site Training</i></b></p>
<p><b>10</b></p>	<p><b>HOTPLATE MAGNETIC STIRRER</b>  <b>Specifications:</b>          Work plate size: 120*120mm          Plate Load(kg): 3          Work plate material: cast aluminum with surface spraying          Max. stirring capacity: 2L          Speed range: 100~2000 rpm          Heating temp: 380 celcius          Power consumption: 180w          Power supply: AC110/220V, 50/60Hz          Standard accessory: adjustable rack, stirrer bar; PT100 sensor(only for BS-4HC)          External Size (WxDxH): 200x120x90mm          Package Size (WxDxH): 250x180x120mm          Net weight (kg): 1.9          Gross weight (kg): 3.</p>	<p><b><i>HOTPLATE with MAGNETIC STIRRER</i></b>  <b><i>Specifications:</i></b></p> <ul style="list-style-type: none"> <li>• <i>Work plate Dimension (W x D): 184 x 184mm</i></li> <li>• <i>(7 inch)</i></li> <li>• <i>Work Plate Material: White Glass Ceramic</i></li> <li>• <i>Motor Type: Brushless DC Motor</i></li> <li>• <i>Stirring Position: 1</i></li> <li>• <i>Max. Stirring Quantity: 20L</i></li> <li>• <i>Max. Magnetic Bar (Length): 80mm</i></li> <li>• <i>Speed Range: 100~2000rpm, Resolution±1rpm</i></li> <li>• <i>Speed Display: LCD</i></li> <li>• <i>Temp. Display: LCD</i></li> <li>• <i>Heating Temp. Range: Room Temp. - 500°C, Increment 1°C</i></li> <li>• <i>Temp. Control Accuracy: ±1°C (&lt;100°C) ±1% (&gt;100°C)</i></li> <li>• <i>Max. Heating plate Temp.: up to 550°C</i></li> <li>• <i>Overheating Protection: 580°C</i></li> <li>• <i>Temp. Display Accuracy: ±1°C</i></li> <li>• <i>External Temp. Sensor: PT1000 (Accuracy ±0.2°C)</i></li> </ul> <p><b><i>"HOT" warning at 50°C</i></b></p>
<p><b>11</b></p>	<p><b>PH METER</b>  <b>Specifications:</b>          PH Range: 0.00~14.00ph          PH Accuracy: 0.05ph          Resolution: 0.01ph          Calibration Points: 2 points          Calibration solutions: USA (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</p>	<p><b><i>BENCH TOP pH METER</i></b>  <b><i>Specifications:</i></b></p> <ul style="list-style-type: none"> <li>• <i>PH Range: 0.00~14.00ph</i></li> <li>• <i>PH Accuracy: 0.05ph</i></li> <li>• <i>Resolution: 0.01ph</i></li> <li>• <i>Calibration Points: 2 points</i></li> <li>• <i>Calibration solutions: (ph4.01/7.00/10.01)</i></li> <li>• <i>mV Range: -1999~1999mV</i></li> <li>• <i>mV Accuracy: 10mV</i></li> <li>• <i>Resolution: 1mV</i></li> <li>• <i>Temperature Compensation: 0~100 celcius, manual</i></li> </ul>



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	<p>Display: Custom LCD          Power Requirements: DC9V/400mA power adapter          Dimensions(mm): 210*205*65mm          Net Weight (kg): 1.5kg</p>	<ul style="list-style-type: none"> <li>• Connector: BNC, 3.5mm jack socket</li> <li>• Display: LCD</li> <li>• Power Requirements: DC9V/400mA power adapter</li> </ul> <p><i>Dimensions(mm): at least 210*205*65</i></p>
12	<p><b>SOIL MOISTURE TESTER/METER</b>          Specifications:          Customized support: OEM          Sensor Type: PIN          Resolution: 0.1          Restore: 99 groups          The Statistical Available: Last value/Mean value/Max value, Min value/Number of readings          Professional Function: special for soil moisture measurement          Accuracy: (0.5n+1) or higher          Measuring Range: 0~80% or higher          Power Supply: 4x1.5V AAA(UM-4)Battery or higher</p>	<p><b>SOIL MOISTURE TESTER/METER</b>          Specifications:          Sensor Type: PIN          Content Analyzer/Range: 0~80%          Digital Display: LCD          Restore: 99 groups of measurements          Accuracy: <math>\pm (0.5\% n+1)</math> or higher          Resolution: 0.1          Condition Temp.: 0~50°C          Humidity: &lt;90% RH          Power Supply: 4 x 1.5 V          Statistical Available:          LastValue/MeanValue/Max Value, Min Value/Number of Readings</p>
13	<p><b>ADJUSTABLE VOLUME PIPETTOR (10-100µl)</b>          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 10-100µL          Increments of 0.1µL          Accuracy of <math>\pm 2.0\%</math> to <math>\pm 0.8\%</math>          Tip ejector is present          Comes with pipette tips (1000pcs/pack)</p>	<p><b>ADJUSTABLE VOLUME PIPETTOR (10-100µl)</b>          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 10-100µL          Increments of 0.1µL          Accuracy of <math>\pm 2.0\%</math> to <math>\pm 0.8\%</math>          Tip ejector is present          Comes with pipette tips (1000pcs/pack)</p>
14	<p><b>SOIL FERTILITY READER</b>          Specifications:          Fishawk Soil Tester          Professional Soil Npk Sensor          Soil Meter Digital Soil Test Kit for N, P and K          Gardening Soil Sensor with High Sensitivity Probe          Gardening Tool for Lawn.</p>	<p><b>SOIL PARAMETER SENSOR SET</b>          Compose of the ff. sensors:          Soil Nitrogen Concentration Sensor          Soil Phosphorus Concentration Sensor          Soil Potassium Concentration Sensor          Range: 1-999mg/kg  <math>\pm 2\%</math> F.S.</p>
15	<p><b>SPECTROPHOTOMETER</b>          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)</p>	<p><b>SPECTROPHOTOMETER</b>          Specifications:          Optical System: Single beam, grating 1200lines/mm          Wavelength range: 200-1100nm          Spectral bandwidth: 4nm          Wavelength accuracy: at least 1.5nm          Wavelength repeatability: 0.2nm</p>



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	<p>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 cuvetteholder, 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        Packing Size (mm): 560*430*320        Gross Weight (kg): 12.</p>	<ul style="list-style-type: none"> <li>• <i>Photometric Accuracy: 0.002A(0-0.5Abs), 0.004A (0.5-1.0Abs), 0.5%T (0-100%T)</i></li> <li>• <i>Photometric repeatability: 0.001Abs(0-0.5Abs), 0.002Abs (0.5-1Abs), 0.2%T (0-100%T)</i></li> <li>• <i>Stray light: 0.2%T @ 360nm; 220nm (UV)</i></li> <li>• <i>Stability: 0.002A/h@500nm</i></li> <li>• <i>Noise: 0.001A</i></li> <li>• <i>Display: 128*64 Dots LCD</i></li> <li>• <i>Photometric Mode: T, A, C, E</i></li> <li>• <i>Photometric range: 0-200%T,-0.301~3.0A</i></li> <li>• <i>Detector: Silicon Photodiode</i></li> <li>• <i>Light Source: Deuterium lamp, tungsten lamp</i></li> <li>• <i>Input: Membrane keypad</i></li> <li>• <i>Output: Parallel Print, USB 1.0</i></li> <li>• <i>Standard Accessories: 1cm glass cuvette *4 units 1cm quartz cuvette *2 1cm quadruple cuvette holder *1</i></li> <li>• <i>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</i></li> <li>• <i>Power Supply: AC110V/220 10%, 60/50Hz</i></li> </ul> <p><b>With On Site Training</b></p>
<p><b>17</b></p>	<p><b>UV STERILIZATION CABINET</b>        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: 518x523x778mm        External Size: 750x663x1200mm        Packing Size: 875x788x1265mm        Gross Weight: 100kg.</p>	<p><b>UV STERILIZATION CABINET</b>        Specifications:  <ul style="list-style-type: none"> <li>• <i>Type: with Ozone</i></li> <li>• <i>UV Ray Wavelength: 253.7/184.9nm</i></li> <li>• <i>Sterilization Way: 2 sides of UV ray+1 side of Ozone</i></li> <li>• <i>Capacity: 200L</i></li> <li>• <i>Power: 120W</i></li> <li>• <i>UV Lamp Materials: Quartz glass</i></li> <li>• <i>Shelves: Standard 2pc. can be optional</i></li> <li>• <i>Internal Size: at least 518x523x778mm</i></li> <li>• <i>External Size: at least 750x663x1200mm</i></li> </ul></p>
<p><b>18</b></p>	<p><b>DIGITAL WEIGHING SCALE</b>        Specifications:        Weighing capacity: 15kg or higher        Scale type: Bench        Resolution: 87.5</p>	<p><b>DIGITAL WEIGHING SCALE</b>        Specifications:  <i>Weighing capacity: 15kg or higher</i>  <i>Scale type: Bench</i>  <i>Resolution: 87.5 grams</i></p>



Republic of the Philippines  
**WESTERN MINDANAO STATE UNIVERSITY**  
**BIDS AND AWARDS COMMITTEE FOR GOODS**

Normal Road, Baliwasan Zamboanga City  
 Telephone: 062-992-3084  
[www.wmsu.edu.ph](http://www.wmsu.edu.ph)




	Plug Type: type C-European Plug Weighpan Length: 285mm Weighpan Width: 255mm Weighpan Height: 90mm Net Weight: 3.75kg or higher Model Number: FOB-NL Minimum Operating Temperature: +10 degree celcius Minimum Operating Temperature: +35 degree celcius	<i>Plug Type: Philippine Standard          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.</i>
	<b>Delivery Period:</b>	<i>Ninety (90) Calendar Days Delivery</i>

**Reminder to Bidders:**

1. All bidders are required to post a Bid Security in a form of Cash, Manager's or Cashier's Check or Bid Securing Declaration. Personal Check is NOT allowed.
2. Bid Submission will be on or before December 12, 2023 @ 9:30 A.M. through **Manual Submission**. We encourage bidders to observe proper lead time in the transmission of bids to guarantee that bids proposals are received by the WMSU BAC before the scheduled time of opening.
3. The Opening of the bid will be on **December 12, 2023 @ 9:30 A.M.** at the BAC Office, Western Mindanao State University, 2<sup>nd</sup> floor Admin. Bldg., Normal Road, Baliwasan, Zamboanga City.

For further inquiries, you may coordinate with the Bids and Awards Committee Secretariat at Tel. No. (062)992-3084.

Please be guided accordingly.

  
**DR. JOSELITO D. MADROÑAL**  
 BAC Chairperson