



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.) | 1 Unit | <p>Visualization Table for Medical Education</p> <ul style="list-style-type: none">* Monitor: At least 65 inches, hardened clear glass* Resolution: 3840 x 2160 (4K Qled UHD)* Touch Points: 10 simultaneous points (min separation 20 mm), Reponse Time: 16ms* Accuracy: ± 1.55 mm,* I/O Ports: USB 3.0, HDMI, power Cable, RJ45 (Gb Ethernet), USB 2.0, Microphone, Headphone, Display Port, HDMI, DVI,* Adjustable Monitor (Vertical and Horizontal position), four wheels with locks,- Computer: at least i7 processor, Graphics: at least 8 GB, Memory: at least 32 GB, Storage: at least 256 SSD & ITB HDD* Licensed operating system* Educational Portal connectivity* Possibility to connect any PACS (picture archiving and communication system) to Education Portal* Connects to other visualization tables through Education Portal* at least 1-year access to educational portal* Capability to import own histology data as well as CT and MRI scans (DICOM)* With built in database of DICOM (Digital Imaging and Communications in Medicine) files* With VH Dissector and Human Anatomy Atlas* With Digital slides* With on-site Training |
| 2.) | 1 Unit | <p>Anatomical Models with Visualizer for Teaching 1 Year Old Basic Life Support</p> <p>Specification:</p> <ul style="list-style-type: none">* Fully articulating head and jaw teeth and tongue* Airway blocked when head forward* Easy access of the chest activity with molded rib cage, lungs and heart* Realistic chest rises during ventilation* Intraosseous infusion* Intravenous Training arm* Carotid, femoral and brachial arterial pulse sites* Femoral venous site* Intramuscular Injection sites on the deltoids and quadriceps* Soft, lifelike face with molded hair |

3.)

1 Unit

- * Eyes open & close in Realistic eye sockets for ophthalmic purpose
- * Realistic hands, feet, fingers & toes
- * Detachable at waist for Easy storage
- * Practice regular or vest CPR
- * With controller pack and monitors and logs the cadence and depth of cardiac compression & Airway ventilation
- * With controller the Monitor CPR quality metrics in real tie
- * Can export CPR performance reports the debriefing
- * Bilateral brachial, right femoral and left posterior tibial pulses
- * One normal eye & One dilated eye
- * With interchangeable hands for finger Practice
- * With on-site Training

Anatomical Models with Visualizer for Teaching

Code blue Multipurpose Patient Simulator with Tablet

Specification:

General Care:

- * Soft, like face skin
- * Eyes open and close; one pupil is dilated
- * Jointed elbows, wrists, knees, and ankles
- * Bends at the waist like a human
- * Interchangeable genitalia for male and female catheterization
- * Enema administration
- * Two decubitus ulcers depicting initial stage of ulceration and deeply infected stage
- * Sculpted stomas for transverse colostomy, ileostomy, and suprapubic stoma, each connected to an internal, removable tank
- * Removable internal tanks
- * Breast palpation kit
- * Amputation stump
- * Neck brace
- * Bilateral carotoid and right radial pulse
- * With carrying bag.

Airway Management

- * Real-time CPR feedback
- * BVM with realistic chest rise
- * Mouth to mouth resuscitation
- * Nasal and gastronomy openings for instruction in gastric lavage and gavage
- * Tracheotomy intubation
- * Anatomically accurate airway
- * Oral and nasal intubation
- * Oral openings for instruction in gastric lavage and gavage

Breast Examination

- * Interchangeable male and female breasts (left female breast contains malignancy)

Gynecology Examination

- * Vaginal douching and PAP smear exercises with realistic vagina and cervix

Injection and Infusion

- * Intravenous, intramuscular, and subcutaneous injection techniques, specify left or right
- * Bilateral IM sites, arms, and legs

- 4) 1 Unit
- * Intramuscular injection site in buttock
 - * With instruction manual
 - * With On-Site Training
- Anatomical Models with Visualizer for Teaching
CPR Simulator with Controller**
- Specification:
- * Quality CPR simulators designed to operate for years
 - * Sturdy construction with full size, realistic landmarks & one-piece disposable airways
 - * Full articulating head, neck, jaw permitting head / tilt, chin lift, jaw thrust & neck extension into the "sniffing" position
 - * Airway blocked when head is forward
 - * Easy to access chest cavity with ribcage, lungs & heart for realism & practice of the Heimlich maneuver
 - * Realistic chest rises during ventilation
 - * Carotid & femoral arterial pulses sites
 - * Femoral venous site
 - * Intramuscular (IM) injection sites on the deltoids, quadriceps & left gluteus medius
 - * Eyes open & close; one pupil is dilated
 - * Joined elbows, wrist, knees & ankles
 - * With 10 disposable airways, instruction manual & carrying bag
 - * Can monitor CPR quality in real time
 - * Interactive checklist that let you easily track provider actions during the exercise
 - * You can export CPR performance reports for debriefing
 - * With On-Site Training
- 5.) 1 Unit
- Anatomical Models with Visualizer for Teaching
CPR + D Skills Trainer with Wireless Tablet, Built-in Software**
- Specifications:
- * Airway and Breathing
 - * Practice nasal and oral intubation (ETT, Supraglottic Airway, King LT[®]) with realistic tongue, vocal cords, and trachea
 - * Illustrate head tilt/chin lift and jaw thrust
 - * Gastric distension with esophageal intubation and or/excessive ventilation
 - * Right mainstream intubation presents unilateral chest rise
 - * Visible chest rises with bag-valve-mask ventilation
 - * Spontaneous breathing (Automatic)
 - * Ventilation detection sensors
 - * Cardiac & Circulation
 - * Anatomically correct landmarks for proper CPR hand placement
 - * Realistic chest cavity resistance and recoil
 - * Chest compression depth sensor
 - * Real-time CPR feedback
 - * Effective chest compressions generate palpable carotid pulses
 - * Monitor and cardiovert rhythms using a real AED/defibrillator
 - * Illustrate 20+ shockable and non-shockable EKG rhythms
 - * Deliver up to 360 joules of real energy to skin patches or snap connectors
 - * Palpable carotid pulses with variable rate synchronized with EKG
 - * Performance Monitoring

- * Real-time CPR quality feedback
- * Compression depth and rate
- * Ventilation rate
- * Excessive ventilation
- * No-flow time
- * CPR cycles
- * CPR metronome: audible tones help guide correct compression and ventilation rate and ratio
- * Compliant with adult CPR guidelines
- * Build-in resuscitation algorithm checklists for tracking individual and team actions

Features:

- * Built-in wireless connectivity with range up to 30 ft.
- * Wireless interface with touchscreen display
- * Optimized vital sign controls for on-the-fly operation
- * Built-in library with 20+ cardiac rhythms and options
- * Compatibility with optional virtual vital sign to display 10+ parameters for delivering post-cardiac arrest care
- * Alternate virtual shock function capability

- * Session log records provider actions, vital sign, CPR metrics and comments
- * Debriefing Tools
- * eCPRTM performance report provides averages for each CPR metric and cycle
- * With On-Site Training

6.) 1 Unit

Anatomical Models with Visualizer for Teaching

IV-Training Arm

Specifications:

- * Subcutaneous injection site on the volar forearm and lateral upper arm
- * Intra Muscular injection site on the upper arm
- * Arterial system including the radial and brachial arteries
- * Suture and incision sites on both the upper arm and forearm
- * Hemodialysis site on the forearm

- * Arterial and Venous insert for IV training, venipuncture practice, blood draw exercises, AV anastomosis, and placement of AV grafts. This multi-layer surgical insert includes the skin, subcutaneous tissue, muscle, radial artery, and radial vein
- * AV fistula insert that simulates a healed fistula for hemodialysis exercises
- * Multi-layer bicep insert that includes the skin, subcutaneous tissue, and muscle and allows incision practice and suturing exercises
- * Durable skin that can be pierced in excess of 200 times with a 20- or 22-gauge needle
- * Realistic tactile feedback for both surgical and arterial & venous stick exercises
- * Adjustable heart rate and pulse strength stimulating a heart rate from 10 BPM to 150 BPM
- * Cephalic (antecubital), Basilic, Radial and Ulnar veins as well as the radial and brachial arteries for infusion and blood draw training
- * Rotating arm allowing dorsal and volar access along the length of the IV training arm
- * Varying vessel palpability to simulate collapsed or bugling vessels

- * Ease of assembly
- * Latex-Free
- * New proprietary materials replicate of skin, subcutaneous and muscle layers at all surgical sites.
- * Upgraded inserts, skins, and vessels for improved tactile feedback
- * Micropump embedded within the shoulder generates variable heart rates and pulse strength. Quiet and compact, thereby improving portability of the unit.
- * Easy to replace plug-and-play inserts to allow quick change-out between procedures
- * Latex-free vessels with improved access for hassle-free replacement

7.) 1 Unit

Visualizer - Interactive Visualizer (Document Camera)

Specifications:

- * Sensor: 1/2.8" CMOS
- * Effective Pixels: 3.4M pixels
- * Frame Rate: 30 fps
- * Optical Zoom: 12x
- * Digital Zoom: 8x
- * Focus: Auto/Manual
- * I/O Connections: VGA, HDMI, USB Type B, USB 2.0, 3.5mm jack
- * Capability to save presentations on external memory
- * Accessories: Compatible Wireless Slate and Interactive writing tool (Sensor Bar), Tablet, pen, remote control"

8.) 1 Unit

50 Pieces Histology and 50 Pieces Pathology Digital Slides

Histology Digital Slides:

- * Adrenal Cortex and Medulla
- * Aorta
- * Appendix
- * Cancellous Bone
- * Cardiac Muscle
- * Cerebellum
- * Cerebrum
- * Circumvallate papillae adult tongue
- * Compact-Bone
- * Elastic Cartilage Nasal Septum
- * Fallopian Tube
- * Fibrocartilage
- * Hyaline-Cartilage
- * Kidney
- * Large Intestine
- * Lipoma (adipose tissue)
- * Loose-Areolar-Tissue
- * Lung
- * Lymph node
- * Medium-Sized-Artery
- * Normal Cervix
- * Normal Liver
- * Normal Ovary
- * Normal Uterus
- * Optic Nerve
- * Pancreas

- * Parathyroid Gland
- * Peripheral Nerve L.S
- * Peripheral Nerve T.S
- * Pituitary Gland
- * Retina
- * Salivary Gland
- * Simple Squamous Epithelium - capillaries
- * Skeletal Muscle C.S
- * Skeletal Muscle T.S
- * Small-Intestine
- * Smooth Muscle
- * Spinal-Cord
- * Spleen
- * Stomach
- * Testis
- * Thick-Skin
- * Thin-Skin
- * Thymus
- * Thyroid
- * Tonsil
- * Trachea
- * Ureter
- * Urinary Bladder
- * Vein

Pathology Digital Slides

- * Adenocortical Adenoma
- * Atherosclerosis
- * Acute Appendicitis
- * Osteochondroma
- * Healed Myocardial Infarctions
- * Medulloblastoma
- * Astrocytoma
- * Cavernous Hemangioma Tongue
- * Osteoma
- * Rhinosporidiosis Nose
- * Ectopic Tubal Pregnancy
- * Degeneration of Fibrocartilage
- * Enchondroma
- * Clear Cell Renal Cell Carcinoma
- * Amoebic Edema
- * Lipoma
- * Fibroma
- * Bronchogenic Carcinoma
- * Tuberculosis Lymphnode
- * Polyarteritis Nodosa
- * Squamous Cell Carcinoma Cervix
- * Fatty Liver
- * Serous Adenocarcinoma Ovary
- * Leiomyoma Uterus
- * Adenocarcinoma Pancreas

- * Optic Nerve Gioma
- * Parathyroid Adenoma
- * Neurofibroma
- * Neurilemmoma
- * Pituitary Adenoma
- * Retinoblastoma
- * Pleomorphic adenoma
- * Capillary hemangioma
- * Rhabdomyosarcoma Pleomorphic
- * Sacroma Botroides
- * Tuberculosis Intestine
- * Leiomyom
- * Poliomyelitis Spinal Cord
- * Infarction spleen
- * Carcionoma stomach
- * Seminoma testis
- * Palmplantar Wart
- * Verruca Vulgaris
- * Thymoma
- * Papillary Carcinoma Thyroid
- * Chronic Tonsilitis
- * Bronchiectasis
- * TransitionalCell Carcinoma Ureter
- * Tuberculous Cystitis
- * Thrmbohphelbitis

9.) 1 Unit

Hospital Bed with Mattress

Specifications:

- * Mattress: 36" x 75" x 4" Leatherette cover, rubberized foam

10.) 10 Units

Biological Binocular Microscope

Specification:

- * Viewing Head: inclined at 30°, 360 rotatable interpupillary distance 48-75mm
- * Eyepiece: WF 10x/18
- * Objective: Achromatic objective 4x, 10x, 40x100x (oil)
- * Nosepiece: Backward Quadruple Nosepiece
- * Stage: Double Layer Mechanical Stage 132 x 142mm / 75 x 40mm
- * Focusing: Coaxial Course & Fine Adjustment, Fine Division 0.004mm
- * Course Stroke: 37.7mm per rotation
- * Fine Stroke: 0.4mmper stroke
- * Moving range 24mm
- * Condenser: Abbe NA 1.20 with Irish Diaphragm & Filter
- * Illumination: LED 3W with brightness adjustment
- * With on-site Training

11.) 1 Unit

Projective Microscope

Specification:

- * Eyepiece: 10x and 15x
- * Objective: Achromatic Objectiv 5x, 10x, and 20x(S)
- * Screen: at least 150mm diameters round glass projection screen rotatable through 360°
- * Stage: Fixed Square, stage size 115x155mm with graduated detachable mechanical stage

- * Nosepiece: Triple revolving Nosepiece
- * Illumination: 20W Halogen bulb, 220V 60Hz"

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 **Twenty Five Thousand Pesos Only (Php.25,000.00)**. 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 **July 28, 2020** 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.