



Republic of the Philippines  
**WESTERN MINDANAO STATE UNIVERSITY**  
Zamboanga City  
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[www.wmsu.edu.ph](http://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:

Name of Project: **Supply and Delivery of Various Medical Equipments for the College of Medicine**

Approved Budget Cost: **Php 23,225,000.00**

Purchase Request No.: **22-05-257**

Closing Date: **September 29, 2022 @ 10AM**

Description:

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1.) One (1) lot of Virtual Electronic Anatomy Table for education

- Life-size virtual cadaver, horizontal or vertical position via motorized tilt stand
- .2 complete virtual human anatomy atlas - male and female each with at least 2000 parts
- .Eleven (11) human body organ systems (Reproductive, Respiratory, Lymphatic, Cardiac, Urinary, Nervous, Muscular, Skeletal, Digestive, Endocrine and Skin)
- .Virtual dissection via cutting tool
- .Ability to annotate, change body part color, screenshot, record screen video
- .Search function
- .Animation of the pumping heart with blood flow, ability to view via sagittal, coronal and transverse plane
- .Anatomical models, including the head, chest, abdomen, back, pelvis, shoulders, arms, elbows, forearms, wrists, palms, thighs, knees, legs, ankles and soles in high-definition 3D anatomy
- .Three-axis view of the human anatomy, which means 3D, sagittal plane (X), transverse plane (Y), coronal plane (Z), which is convenient for viewing the current axis, and the depth of the slice can be adjusted by dragging adjustable from 0% to 100%
- .X-ray system, of any eleven (11) organs, you can observe the relative position of the X-ray to the human body, and adjust the value from 0% to 100% to deepen or dilute the X-ray picture, which is convenient for teaching and explaining the position of the human body
- .Virtual Endoscope to navigate through the hollow organs of the virtual human cadaver with 108 real endoscopic videos
- .Radiological viewer with the ability to connect to the PACS to the hospital
- .Ability to import DICOM data
- .400 or more pre-installed real case examples for the pre-surgical planning for educational purpose with the appropriate radiological measurement tools and also pre-surgical planning instrument
- .Ability to re-construct the 2D DICOM data to 3D format in less than 15 seconds with the algorithm for auto-segmentation for better understanding
- .Histopathology Atlas with more than 350 real case examples separated in respective areas.
- .The image format is ultra-high definition
- .At least 10 Simultaneous touch points
- .with Technical Support and onsite training

Includes the following software:

## ANATOMY

- .Fully Annotated Human Anatomy
- .Sectional Anatomy
- .Virtual Interactive Dissection
- .Teaching Aid Tool
- .Organ animation
- .Regional anatomy
- .3-axis Display mode
- .Endoscope Teaching Mode

## RADIOLOGY

- .DICOM based virtual cadavers
- .Simulation of pre-surgical planning for education

## HISTOPATHOLOGY ATLAS

- .Annotation
- .Pen tool
- .Image tool
- .Amplification

## HARDWARE SPECIFICATION

- . Processor: 24 MB - 30MB Cache, 2.6 Ghz to 5.0 Ghz, 8 core, 16 threads
- . RAM - at least 32GB
- . Storage: at least 8TB HDD; at least 1TB SSD
- . Screen size: at least 90" diagonal
- . Resolution - 3840 x 2160
- . Ports: HDMI, AD, DP, DVD, USB, Internet
- . Angle adjustment: 0 to 90 degrees
- . Input voltage: from 190 to 240v
- . with AVR 5KVA Servo type to include voltage surge protector extension (4 gang)
- . Language Settings: American English
- . With latest licensed Operating System (OS)

2.) One (1) unit of Model of Median sagittal section of the human brain for use in human gross anatomy

- Showing intimal structures, primary fissure, tonsil of cerebellum, etc.
- Material: Poly Vinyl Chloride Plastic (PVC)

3.) One (1) unit of Model of Double human kidney for use in human gross anatomy

- Showing the renal artery, vein and ureters.
- Material: Poly Vinyl Chloride Plastic (PVC)

4.) One (1) unit of Model of the Brain, 12 pairs of Cranial Nerves, Brainstem for use in human gross anatomy.

- Material: Poly Vinyl Chloride Plastic (PVC)

5.) One (1) unit of Model Horizontal Section of the Human Brain for use in human gross anatomy.

- horizontal incision to show the brain structure, through internal capsule.
- Material: Poly Vinyl Chloride Plastic (PVC)

6.) One (1) unit of Model Arteries at the Base of the Human Brain for use in human gross anatomy.

- Showing vertebral artery, internal carotid artery and the main arteries.
- Material: Poly Vinyl Chloride Plastic (PVC)

7.) One (1) unit of Model Arteries of the Human Cerebral Hemisphere for use in human gross anatomy

- showing anterior cerebral artery, middle cerebra artery and the main arteries.
- Material: Poly Vinyl Chloride Plastic (PVC)

8.) One (1) unit of Model Human Biliary Passages, Duodenum & Pancreas for use in human gross anatomy

- showing the mucous membrane of the duodenum papillae, cystic duct and pancreatic duct.

- Material: Poly Vinyl Chloride Plastic (PVC)

9.) One (1) unit of Model of the inner structure of the Human heart for use in human gross anatomy

- showing internal structure by cutting windows.

- showing the chambers of the heart

- Material: Poly Vinyl Chloride Plastic (PVC)

10.) One (1) sets of PLASTINATED CADAVERS

Consist of:

1 Plastinated model life size Adult Male (Average Asian height)

1 Plastinated model life size Adult Female (Average Asian height)

Features:

. Head and Neck (External and internal jugular veins with tributaries)

. Head - both left and right muscles of the head and face are superficial nerves and arteries are shown.

. Thorax: (anterior wall removed to expose lungs, pericardium-enclosed heart, and superior vena cava with its tributaries)

. Thoracic Cavity - In order to clearly show mesenteric arteries, porta hepatis and porta lienis, splanchnic nerves are taken off and sympathetic nerves are taken off and sympathetic trucks cannot be seen. Muscular structure of the posterior thoracic wall cannot be observed.

. Abdomen: (Anterior wall removed to expose viscera in situ, including liver, stomach, greater omentum and intestines: further dissection to reveal biliary ducts, celiac trunk and branches)

. Abdominal Viscera - All abdominal organs cannot be removed or detachable. Half of the stomach is taken off to show gastric mucosa. Jejunum and ileum are all taken off in order to show superior and inferior mesenteric arteries. Transverse colon is cut to observe pancreas.

. Abdominal Cavity - the bladder is not opened. Sympathetic trunk nerve cannot be seen due to some abdominal organs remained as well as the lumbosacral trucks, which is covered by pelvic organs. Muscular structure of the posterior abdominal wall cannot be seen.

. No signs of decomposition for 5 years

. with appropriate storage containers

. with training for handling & preservation of the units.

11.) One (1) unit of PHYSIOLOGY/PHARMA/  
BIOCHEM LABORATORY  
ACTIVITIES

Physiology/Pharmacology Teaching System

.Complete solutions for the teaching of human/animal physiology as well as advanced, high performance systems for research. The numerous "hands-on" experiments provide student involvement that enhances the overall learning experiences

Human Physiology Kits include:

.Human Respiratory kit

.Nerve and Pharmacology kit

.Nerve and muscle Kit

.Physiology/Pharmacology teaching system

.Physiology content pack

.LabScribe Software

.Spirometer Flow Head

.Heart Sounds Sensor

- .Pulse Probe
- .Non-Invasive Blood Pressure Sensor
- .Temperature Sensor
- .Grip Force Sensor
- .Event Marker
- .Muscle Twitch
- .Courseware
- .Online subscription

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 September 6 until September 29, 2022 from the BAC Office or download from website ([www.wmsu.edu.ph](http://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 Twenty Five Thousand Pesos (Php.25,000.00). (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 September 15, 2022, 10:00 AM at BAC Office, WMSU, Ground Floor Executive 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 September 29, 2022 at 10:00 A.M. through Manual Submission.
6. Bid opening shall be on September 29, 2022 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.
7. Price validity shall be for a period of 120 calendar days.
8. Bidders shall submit original brochures showing certifications 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.