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Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number 8811825
Procuring Entity WESTERN MINDANAO STATE UNIVERSITY
Title Supply and Delivery of Audio Visual and Medical Equipments for the College of Medicine of the University
Area of Delivery Zamboanga Del Sur

Solicitation Number:	PR 22-02-146	Status	Active
Trade Agreement:	Implementing Rules and Regulations	Associated Components	1
Procurement Mode:	Public Bidding	Bid Supplements	0
Classification:	Goods	Document Request List	1
Category:	Hospital / Medical Equipment	Date Published	13/07/2022
Approved Budget for the Contract:	PHP 25,000,000.00	Last Updated / Time	13/07/2022 00:00 AM
Delivery Period:	120 Day/s	Closing Date / Time	08/08/2022 10:00 AM
Client Agency:			
Contact Person:	Russell J. Ingkoh Head Secretariat Normal rd. Baliwasan Zamboanga City Zamboanga Del Sur Philippines 7000 63-62-9917875 63-62-9917875 bacsecretariate@wmsu.edu.ph		

Description

1.) Two (2) sets of Wireless High Definition Audio and Video Debriefing System

Features:

Recording

- Simultaneous recording of Multiple high-definition video and audio streams
- Video compression technology stores hundreds of hours of footage with virtually no loss in visual quality
- add quick notes or flags during a live recording
- edit and customize notation
- supports high-definition legacy cameras
- capture vital signs monitor video feed in real-time
- customizable user account control
- start/stop recording
- smart data capture automatically parses log event information for reviewing
- preconfigured with wireless encryption to keep video feeds secure
- automatic synchronization event log data with video capture
- customizable event flags
- supports wireless capture via mobile phones and tablets via IP camera software

Playback and Review

- Session recordings are available for playback immediately
 - isolate audio channels as needed
 - Review session video directly on the device or remotely via web interface
 - Easily jump to key events in the recording by clicking the time-stamped event entry
 - Export session video with annotations for storage and/ or playback on other devices
 - Physiological data timeline
 - Search debriefing session library by session name, simulator type, room, date, and more
 - Session files are stored securely via user account access control
- Supports video output to large screen TVs and projectors

Includes:

- Free software updates

WITH ONSITE OR OFF-SITE TRAINING

WITH FREE SOFTWARE UPDATES Account User shall be the Proponent (End User)

WITH APPROPRIATE STORAGE BOX

2.) One (1) LOT of Wireless and Tetherless Trauma Care Patient Simulator

Key Features:

- . Full-body adult, 70 inches (178cm), 46 lbs. (20.9 kg)
- . Rugged shoulder and hip joints allow dragging and carrying
- . Splash-proof for CBRNE water spray decontamination
- . Self-contained design; all operating components and blood reservoirs stored inside the body
- . Wireless and tetherless control; fully responsive during transport
- . Fully operational on battery power for up to 8 hrs2 (AC power supported)
- . Interchangeable trauma/healthy lower left arm and leg
- . Designed for fast scenario reset; automatic self-refilling 1.5-liter reservoir system
- . Rugged for outdoor use

Neurologic

- . Library of prerecorded speech responses
- . Streaming voice

Airway

- . Realistic airway with teeth, tongue, epiglottis, and vocal cords
- . Programmable difficult airway: laryngospasms
- . Articulated neck and jaw for head tilt/chin lift
- . Naso/orotracheal intubation: ETT, Supraglottic Airway
- . Surgical airway for cricothyrotomy, tracheotomy, and tracheal hook exercises
- . Supports suctioning liquids from the airway and lungs
- . Visible gastric distention with excess BVM

Breathing

- . Bilateral chest rise with BVM ventilations
- . Ventilation detection
- . Needle decompression with audible hiss
- . Programmable breath/throat sounds
- . Spontaneous chest rise and fall with normal and abnormal respiratory patterns
- . Programmable unilateral chest rise
- . Unilateral chest rise with right mainstem intubation
- . Upper and lower anterior lung sounds

Cardiac

- . Selectable normal and abnormal heart sounds synchronized with ECG and pulses
- . Preprogrammed ECG rhythm library with customizable variations
- . 4-Lead ECG monitoring using real equipment
- . Defibrillate and pace using real energy
- . Effective compressions generate palpable pulses CPR
- . Real-time CPR performance monitoring » Time to CPR » Compression depth/rate » Chest recoil » Compression interruptions » Ventilation rate » Excessive ventilation » Time to defibrillation
- . CPR assisting tones
- . Real end-tidal CO2 capability
- . Durable chest recoil design Circulation
- . Measure blood pressure with real sphygmomanometer
- . Realistic Korotkoff sounds
- . Bilateral blood pressure-dependent pulses
- . Carotid, radial, femoral, and pedal
- . Femoral artery pressure sensor
- . Bilateral intravenous training arms
- . Bilateral deltoid and quadriceps IM injection sites
- . Intraosseous access at right tibia

Trauma

- . Trauma limbs: Interchangeable trauma lower left arm and leg included
- . Bleeding groin wound detects applied pressure
- . Trauma site arterial bleeding synced with heart rate and blood pressure
- . Blood pressure-dependent bleeding rate
- . Arm and leg tourniquet detection
- . Pressure on femoral artery reduces or stops distal bleeding in leg
- . Internal 1.5-liter blood reservoir
- . Automatic, self-refilling reservoir system
- . Responsive blood loss monitors and reservoir level

Other

- . Supports esophageal intubation and gastric suctioning
- . Visible gastric distension with esophageal intubation and unified simulator control software
- . Unified interface design
- . Virtual patient monitor
- . Scenario designer
- . Preprogrammed scenario library
- . CPR effectiveness monitors and trainer
- . Lab report designer
- . Time-stamped event logging

Key Features

Obstetrical

- Integrated maternal-fetal physiological modeling
- Maternal aesthetics built from real patient measurements
- Realistic and consistent birth canal and vulva/perineum supports accurate fetal descent and rotation
- Multiple birthing positions: lithotomy, sitting and all fours
- Rectal suppository administration
- .Prepartum
 - Vaginal examinations can be performed for evaluation of the cervix, fetal station, and position
 - Static cervixes represent various stages of dilation from closed to 5cm, and effacement from 0% to 90%
 - Leopold's Maneuvers can be performed to determine the presentation and position of the fetus
 - Epidural port with infusion and aspiration

Intrapartum

- Realistic palpable uterine contractions can be detected by palpating the fundus
- Controllable rate and duration of contractions
- Trendelenburg position with detection
- Left lateral tilt with detection
- Vertex and breech delivery
- McRoberts Maneuver with observable pelvic tilt is supported and detected in event log
- Suprapubic pressure support and detection with palpable symphysis pubis
- Supports delivery of posterior arm during shoulder dystocia
- Zavanelli maneuver with detection
- C-section team training support
- Rotation of anterior and posterior shoulder is detected in resolving shoulder dystocia (Rubin II and Woods' Screw Maneuvers)
- Forceps application
- Vacuum extraction without fetal cap
- Fetal heart sounds-5-locations based on fetal presentation
- Episiotomy
- Intact/fragmented placenta with realistic color, texture and flexibility
- Placenta can be delivered with gentle traction

Fetus

- Birthing fetus with no connection ports at head or buttocks
- Clinically accurate fetal size with tactile realism- 5th percentile on the WHO growth chart
- Fetal neck traction sensing
- Palpable fontanel and sagittal suture
- Fetal airway suctioning
- Programmable audible cry upon delivery
- Predicted 1 -minute and 5-minute APGAR scores based on venous and arterial blood gas values
- Umbilical cord that can be cut and clamped

Postpartum

- Postpartum hemorrhaging, including Class III hemorrhage
- Contracted and boggy uterus
- Bimanual compression and uterine massage
- Uterine massage detected in event log
- Uterine blood released upon massage
- Inverted postpartum uterus
- Uterine reversion with purchase of optional uterine inversion module
- Intrauterine balloon insertion
- Maternal Features

Airway and Breathing

- Realistic upper airway
- Advanced lungs function analysis : allows for mechanical ventilation support-airway management and ventilation
- Supports endotracheal tubes, nasalpharyngeal and oropharyngeal airways
- Spontaneous breathing
- Bag-valve-mask
- Lung auscultation: anterior and posterior with individual lung control
- Spontaneous chest excursion
- Positive pressure ventilation

Circulatory System

- Support for real 4-lead ECG that can be connected to simulator
- 12-lead ECG simulated in software
- Dynamic bilateral pulses: carotid, radial, brachial, and dorsalis pedis; pulse strength can be controlled

Cardiovascular

- Advanced CPR analysis that measures hand placement and compression depth, rate, and release, ventilation volume and rate and chest compression fraction, inspiratory-expiratory ratio, arterial blood pressure, coronary perfusion pressure, cerebral perfusion pressure, cardiac output and alveolar ventilation
- Electrical therapy and monitoring (ecg, pacing, cardioversion and defibrillation)
- NIBP - both audible and palpable- Heart sounds

Neurologic Response

- Seizure with simulated rhythmic movement of arms, rapid blinking, fraction-
- Blinking reactive LCD eyes displays: Jaundice, hemorrhage, bloodshot sclera, keyhole pupils, droopy and cataract
- Speech: live and pre-recorded

Fluids

- Postpartum bleeding tank (1.8 L)

Technical Specifications**Standard Equipment:**

- Wireless maternal manikin;
- Fetus to support Leopold's maneuvers;
- 2 abdomens (1 for delivery, 1 for prepartum and postpartum);
- Postpartum uterus;
- Static services for vaginal exams;
- Instructor's workstation with 3 configuration options;
- CTG monitor with compatible software
- 3 patient profiles;
- 10 Simulated Clinical Experiences (SCEs)
 - 1.A normal delivery
 - 2.An instrumental vaginal delivery
 - 3.Fetal tachycardia due to maternal pyrexia
 - 4.Breech delivery
 - 5.Fetal central nervous system depression by narcotics given to the mother
 - 6.Shoulder dystocia
 - 7.Major post-partum hemorrhage due to uterine atony
 - 8.Maternal cardio-respiratory arrest
 - 9.Eclampsia
 - 10.Umbilical cord prolapse;

- With 4 SCE development licenses;
- With customer and technical support,
- Female Patient module with non-gravid abdomen and 5 SCEs;
 1. Chronic Heart Failure
 2. Acute Respiratory Distress Syndrome;
 3. Sepsis with Hypotension;
 4. Brain Attack with Thrombolytic Therapy;
 5. Motor Vehicle Collision with Hypovolemic Shock

.Manikin

- Height: Average Female
- Weight: Approx. 111lbs (50kg)

Fetus

- Height: Average Fetus
- Weight: Approx. 5.5 lbs (2.5kg)

Electrical

- Input: 100-240V, 50/60Hz
- Internal Batteries:14.4V, Lithium ion
- with Replaceable Battery
- With appropriate power conditioning equipment
- With consumables

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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 July 13 until August 8, 2022 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 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. Bid Submission will be on or before August 8, 2022 at 10:00 A.M. through Manual Submission.
5. Bid opening shall be on August 8, 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.
6. Price validity shall be for a period of 120 calendar days.
7. Bidders shall submit original brochures showing certifications of the product being offered.

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.

Line Items

Item No.	Product/Service Name	Description	Quantity	UOM	Budget (PHP)
1	Wireless HD Audio and Video Debriefing System	Recording - Simultaneous recording of Multiple high-definition video and audio streams - Video compression technology stores hundreds of hours of footage with virtually no loss in visual quality - add quick notes or flags during a live recording	2	Set	6,000,000.00
2	Wireless and Tetherless Trauma Care Patient Simula	Wireless and Tetherless Trauma Care Patient Simulator	1	Lot	7,000,000.00
3	Wireless and Tetherless, Maternal and Neonatal Pat	Wireless and Tetherless, Maternal and Neonatal Patient Simulator	1	Lot	12,000,000.00

Pre-bid Conference

Date	Time	Venue
25/07/2022	10:00:00 AM	Executive Building, BAC Conference Room, WMSU

Other Information

For the College of Medicine

Created by Russell J. Ingkoh

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