



Republic of the Philippines  
Department of Health  
Metro Manila Center for Health Development  
**VALENZUELA MEDICAL CENTER**



**BIDS AND AWARDS COMMITTEE**

August 20, 2025

**NOTICE OF AWARD**  
SUPPLY, DELIVERY, TESTING AND COMMISSIONING OF ANALYZERS  
Public Bidding No. VMC-2025-063 dated July 08, 2025

**MS. ABEGAIL E. ALFONSO**

Authorized Representative

**GLOBO ASIATICO ENTERPRISES INC.**

Unit 1 Greenhills Product Compound, M.L.  
127 Maginhawa St., Teacher's Village-East,  
Quezon City

Contact No.: 0945-5912740

Email Add.: abegail.alfonso@globoasiatico.com | juliecris.demetrio@globoasiatico.com

Dear Ms. Alfonso:

We are happy to notify your Bid dated **July 08, 2025** for execution of the Valenzuela Medical Center's IAEB Ref. No. 12129669 for contract price equivalent to **FIVE MILLION SEVENTY-EIGHT THOUSAND EIGHTY PESOS ONLY (P 5,078,080.00)**, for the **SUPPLY, DELIVERY, TESTING AND COMMISSIONING OF ANALYZERS** as corrected and defined in accordance with the Instruction to Bidders is hereby accepted.

ITEM NO.	QTY	UNIT	ITEM DESCRIPTION	BID PRICE	TOTAL BID PRICE
	1	LOT	Supply, Delivery, Testing and Commissioning of Analyzers		
1	1	UNIT	Patient Monitor Simulator Analyzer Offer: Fluke Biomedical/Prosim 8 + SPOT Vital Signs Simulator / 5255916   USA	2,250,000.00	2,250,000.00
2	1	UNIT	Defibrillator Analyzer Offer: Fluke Biomedical/Impulse 7000DP Defibrillator/Transcutaneous Pacer Analyzer / 3326888   USA	1,298,000.00	1,298,000.00
3	1	UNIT	Electrosurgical Analyzer Offer: Fluke Biomedical QAES III Electrosurgical Analyzer / 4680852   USA	1,188,000.00	1,188,000.00
4	2	UNIT	Laptops Offer: Acer Predator Helios Neo 16	100,000.00	200,000.00
5	1	UNIT	Office Ink Tank Printer Offer: EPSON L5590 Office Tank Ink Printer	16,880.00	16,880.00
6	1	UNIT	Label Printer Offer: Zebra Z421T Desktop Printer	34,500.00	34,500.00
7	1	UNIT	Smart TV		

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			<b>Offer: Sony K-65S30</b>	62,000.00	62,000.00
8	1	UNIT	Case (1) <b>Offer: Raptor Case Extreme Trolley 7000x</b>	18,000.00	18,000.00
9	1	UNIT	Case (2) <b>Offer: Raptor Case Extreme Trolley 6500x</b>	10,700.00	10,700.00
				<b>TOTAL:</b>	<b>5,078,080.00</b>

**TERMS OF REFERENCE**

**A. Name and Description of the Project:**

Supply and Delivery, Testing and Commissioning of Analyzers (1 unit of Patient Monitor Simulator Analyzer, 1 unit of Defibrillator Analyzer and 1 unit of Electrosurgical Analyzer) Biomedical Equipment for Valenzuela Medical Center – Engineering and Facilities Management Section- Biomedical Unit.

**B. Objectives of the Project:**

1. Enhanced Patient Safety
2. Accuracy and Reliability of Results
3. Optimized Maintenance Costs
4. Sustainability
5. Improved Compliance and Documentation
6. Quality Control and Assurance
7. Risk Mitigation
8. Faster Turnaround and Reduced Downtime
9. Cost Savings
10. Knowledge Retention and Expertise Development

**C. Scope of the Project and Delivery Time/Completion**

Supply and delivery	Scope
1. Supply and delivery	- Complete supply, delivery, testing and commissioning of analyzers
2. Analyzers	- 1 unit of Patient Simulator Analyzer - 1 unit of Defibrillator Analyzer - 1 unit of Electrosurgical Analyzer
3. Biomedical Equipment	- 2 units of Laptops - 1 unit of Office Ink Tank Printer - 1 unit of Label Printer - 1 unit of HDR Smart TV - 2 units of Analyzer Cases
4. Technical Specification	- See Annex A
5. Delivery Schedule	- 60 Calendar Days upon receipt of Notice to Proceed
6. Warranty	- 2 years for parts and services; ninety (90) days for accessories
7. Maintenance	- Preventive Maintenance: Annually, submission of PM schedule and reports - Calibration: Annually, submission of Calibration schedule and report from manufacturer
8. General Notes	- See Annex B
9. Other requirements	- See Annex C

**ANNEX A**

PATIENT SIMULATOR	Description
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9001:2015 PREMIER CONSULTING SYSTEM



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Overall	8 in 1 Multifunction Simulator tests ECG (including Fetal ECG and Arrhythmias), Respiratory, Temperature, IBP, Cardiac Output, NIBP, SPO2 and multi-wavelength waveforms
Humidity	10% to 90% non-condensing
Display	LCD Color Display
Power	Lithium-ion Rechargeable Battery
Battery Charger	100 V to 240 V input, 15 V/2.0 A output
Battery Life	9 hours (minimum), 100 NIBP cycles typical
Normal-sinus-rhythm waveform	
High-level output	0.5 V/mV $\pm$ 5 % of the ECG amplitude setting available on a BNC connector
Amplitude accuracy	$\pm$ (2 % of setting + 0.05 mV)
ECG rate	10 BPM to 360 BPM in 1 BPM steps
Rate accuracy	$\pm$ 1 % of setting
ECG waveform selection	Adult (80 ms) or pediatric (40 ms) QRS duration
ST-segment elevation	Adult mode only. -0.8 mV to +0.8 mV (0.1 mV steps). Additional steps: + 0.05 mV and - 0.05 mV
Power-on default	60 BPM, 1.0 mV, adult QRS and ST-segment elevation of 0 mV
Pacemaker waveform	
Pacer pulse	Amplitude: 0 (off), $\pm$ 2, $\pm$ 4, $\pm$ 6, $\pm$ 8, $\pm$ 10, $\pm$ 12, $\pm$ 14, $\pm$ 16, $\pm$ 18, $\pm$ 20, $\pm$ 50, $\pm$ 100, $\pm$ 200, $\pm$ 500, and $\pm$ 700 mV for lead II (reference lead)
Pacer pulse width	0.1 ms, 0.2 ms, 0.5 ms, 1 ms, and 2 ms $\pm$ 5 %
Paced arrhythmias	Atrial 80 BPM, Asynchronous 75 BPM, Non-capture (one time), Demand with frequent sinus beats, Demand with occasional sinus beats, Atrio-ventricular sequential, Nonfunction
Power-on default	Amplitude 5 mV, width 1 ms, atrial waveform
Arrhythmia	
Baseline NSR	80 BPM
PVC focus	Left focus, standard timing (except where specified)
Conduction defect	First-, second-, or third-degree heart block; and right- or left-bundle branch block
Advanced cardiac life support	Shockable pulseless arrest rhythms
Advanced cardiac life support cont.	Symptomatic tachycardia: regular narrow-complex tachycardia (QRS < 0.12 seconds)
ECG Performance Testing	
Amplitude	0.05 mV to 0.5 mV (0.05 mV steps); 0.5 mV to 5.0 mV (0.25 mV steps) Other leads are proportional to Lead II (reference lead) in percentage per:
Pulse Wave	30 BPM, 60 BPM, with 60 ms pulse width
Square Wave	0.125 Hz, 2 Hz, 2.5 Hz
Triangle Wave	0.125 Hz, 2 Hz, 2.5 Hz
Sine Wave	0.05 Hz, 0.5 Hz, 1, 2 Hz, 5 Hz, 10 Hz, 25 Hz, 30 Hz, 40 Hz, 50 Hz, 60 Hz, 100 Hz, and 150 Hz
R-wave Detection	Waveform: Triangular pulse
	Rate: 30 BPM, 60 BPM, 80 BPM, 120 BPM, 200 BPM, and 250 BPM
QRS Detection	Widths: 8 ms to 20 ms in 2 ms steps, and 20 ms to 200 ms in 10 ms steps
Rate Accuracy	$\pm$ 1 % of setting
Amplitude Accuracy	$\pm$ (2 % of setting + 0.05 mV)
ECG artifact	
Type	50 Hz, 60 Hz, muscular, baseline wander, respiration
Size	25 %, 50 %, 100 % of the normal sinus R-Wave for each lead

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Lead selects	All, RA, LL, LA, V1, V2, V3, V4, V5, V6
Fetal/Maternal ECG	
Fetal heart rate (fixed)	60 BPM to 240 BPM in 1 BPM steps
Fetal heart rate (IUP)	140 BPM at beginning, then varies with pressure
Intrauterine-pressure waveforms	Early deceleration, late deceleration, and acceleration
Wave duration	90 seconds, bell-shaped pressure curve, from 0 mmHg to 90 mmHg and returning to 0
IUP period	2 min, 3 min, or 5 minutes; and manual
Default settings	FHR 140 BPM, early deceleration wave, manual
Invasive Blood Pressure	
Channels	Min 2 channels, each independently settable with identical parameters and are individually electrically isolated from all other signals
Input/output impedance	$300 \Omega \pm 10\%$
Exciter input range	2 to 16 V peak
Exciter-input frequency range	DC to 5000 Hz
Transducer sensitivity	5 (default) or $40 \mu V/V/mmHg$
Pressure accuracy	$\pm (1\% \text{ of setting} + 1 \text{ mmHg})$ accuracy guaranteed for dc excitation only
Static pressure	-10 to +300 mmHg in 1 mmHg steps
Pressure units	mmHg or Kpa
Dynamic waveforms	Types: Arterial (120/80), Radial artery (120/80), Left ventricle (120/00), Right ventricle (25/00), Pulmonary artery (25/10), Pulmonary-artery wedge (10/2), Pulmonary-artery wedge (10/2), Right atrium (central venous or CV) (15/10)
Swan-Ganz sequence	Right atrium, right ventricle (RV), pulmonary artery (PA), pulmonary artery wedge (PAW)
Cardiac catheterization	Chambers: Aortic, pulmonary valve, and mitral valve
Respiration artifact	Arterial, radial artery, and left ventricle: 5 % to 10 % multiplication
BP output	Circular DIN 5-Pin
Power-on default	0 mmHg
Respiration	
Rate	0 (OFF), 10 BrPM to 150 BrPM in 1 BrPM steps
Waves	Normal or ventilated
Ratio (inspiration: expiration)	Normal: 1:1, 1:2, 1:3, 1:4, 1:5
Power-on default	20 BrPM, delta 1.0 $\Omega$
Temperature	
Temperature	30 °C to 42.0 °C in 0.5 °C steps
Accuracy	$\pm 0.4$ °C
Compatibility	Yellow Springs, Inc. (YSI) Series 400 and 700
Output	Circular DIN 4-Pin
Cardiac output	
Catheter type	Baxter Edwards, 93a-131-7f
Calibration coefficient	0.542 (0 °C injectate), 0.595 (24 °C injectate)
Blood temperature	36 °C (98.6 °F) to 38 °C (100.4 °F) $\pm 0.2$ °C in 1 °C steps
Injectate volume	10 cc
Injectate temperature	0 °C or 24 °C
Cardiac output	2.5, 5, 10 liters per minute $\pm 7.5$ %
Faulty-injectate curve	Waveform for simulation available
Left-to-right-shunt curve	Waveform for simulation available
Calibrated pulse	1.5 ° for 1 second
Connector	Circular DIN 7 pin

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Power-on default	5 liters per minute, 0 °C injectate, 37 °C blood temperature
Non-invasive blood pressure	
Pressure units	mmHg or kPa
Manometer (pressure meter)	Range: 10 mmHg to 400 mmHg
Pressure source	Target pressure range: 20 mmHg to 400 mmHg
NIBP simulations	Pulse: 2 mmHg max into 500 ml NIBP system
Simulations (systolic/diastolic [MAP])	Simulations (systolic/diastolic [MAP]): Adult: 60/30 (40), 80/50 (60); 100/65 (77); 120/80 (93); 150/100 (117); and 200/150 (167) and 255/195 (215)
Leak test	Target pressure: 20 mmHg to 400mmHg
Pressure relief test range	100 to 400 mmHg
Oximeter SpO2 optical emitter and detector	
% O2	Range: 30 % to 100 %
% O2 accuracy	With oximeter manufacturer's R-curve: Saturation within UUT specific range: ± (1 count + specified accuracy of the UUT)
Heart rate	30 BPM to 300 BPM in 1 BPM steps. Oximeter SpO2 optical emitter and detector is synchronized with ECG rate delayed by 150 ms.
Transmission: ratio of detector current to LED current, expressed in parts per million expressed in parts per million (ppm)	Range: 0 ppm to 300.00 ppm
Pulse amplitude	Range: 0 % to 20.00 %
Compatible manufacturer products	Nellcor, Masimo, Nonin, Nihon Kohden, Mindray, GE-Ohmeda, Philips/HP, BCI
Pre-Defined Simulations	Normal, Hypertensive, Hypotensive, Tachycardia, Brady Cardiac, Ventricular Fibrillation, Asystole
Safety Standards	IEC/EN 61010-1 3rd Edition
Certifications	CE, CSA, C-TICK N10140, RoHS
Electromagnetic Compatibility (EMC)	IEC 61326-1:2006
Inclusion	Vital Signs Simulator, SPO2 Test Module
Accessories	Manufacturer's Standard: 1 x User's Manual, 1 x Getting Start Manual, 1 x Battery Pack, 1 x USB Cable, 1 x IBP Cable (unterminated), 1 x Carrying Case, 1 x Adult Cuff End Blocks, 1 x Adult Cuff Spacer Blocks, 1 x Set of NIBP Cuff Adapters, 1 x AC/DC Power Supply

DEFIBRILLATOR ANALYZER	Description
Temperature	
Operating	10 °C to 40 °C (50 °F to 104 °F)
Storage	-20 °C to +60 °C (-4 °F to +140 °F)
Humidity	10 % to 90 % non-condensing
Display	LCD display
Communications	USB device port for computer control
Modes of Operation	Manual and remote
Power	Internal rechargeable NiMH battery pack for nine hours (typical) operation after full charge or the battery charger can operate the analyzer and charge the battery simultaneously
Battery Charger	100 V to 240 V input, 15 V/1.5 VA output. For best performance, the battery charger should be connected to a properly grounded ac receptacle
Enclosure	ABS plastic housing
Safety Standards	CE: IEC/EN61010-1 2nd Edition

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		Pollution degree 2 CAN/CSA-C22.2 No. 61010-1
		UL61010-1 C-Tick: Australian EMC
<b>Energy Output Measurements</b>		
Auto ranged measurement	0.1 J to 600 J	
Accuracy	$\pm 0.1 \text{ J}$ to 360 J: $\pm (1\% \text{ of reading} + 0.1 \text{ J})$	
<b>Load resistance</b>		
Resistance:	50 $\Omega$	
Accuracy:	$\pm 1\%$ , non-inductive ( $< 2 \mu\text{H}$ )	
Pulse trigger level	20 V	
<b>Pulse width</b>		
Range:	1 ms to 50 ms	
Accuracy:	$\pm 0.1 \text{ ms}$	
<b>Voltage</b>		
Range:	20 V to 5000 V	
Accuracy:	$\pm (1\% \text{ of reading} + 2 \text{ V})$	
<b>Current</b>		
Range:	0.4 A to 100 A	
Accuracy:	$\pm (1\% \text{ of reading} + 2 \text{ V})$	
<b>Tilt (biphasic and pulsed biphasic)</b>		
Range:	1 % to 99 %	
Accuracy:	$\pm 1 \text{ digit}$	
<b>Interphase delay (biphasic and pulsed biphasic)</b>		
Range:	0.1 ms to 9.9 ms	
Accuracy:	$\pm 0.1 \text{ ms}$	
<b>Frequency (pulsed biphasic only)</b>		
Range:	2000 Hz to 8000 Hz	
Accuracy:	$\pm 1\%$ of reading	
<b>Duty cycle (pulsed biphasic only)</b>		
Range:	1 % to 99 %	
Accuracy:	$\pm 1 \text{ digit}$	
Sample rate	250 kHz (4 $\mu\text{s}$ sample)	
Maximum average power	12 W, equivalent to 10 defib pulses of 360 J every 5 minutes	
Scope output	Autorange: 2000:1, 400:1, and 80:1 depending on range	
Waveform playback	Output: BNC  • Output impedance: 50 $\Omega$  • Amplitude accuracy: $\pm 5\%$	
<b>Charge time measurement</b>		
Range:	0.1 s to 100 s	
Accuracy:	$\pm 0.05 \text{ s}$ , typical	
<b>Synchronization Test (Elective Cardioversion)</b>		
Delay time measurement	• Timing window: ECG R-wave peak to the defib pulse peak	
<b>ECG waves</b>		
• Normal sinus rhythm (NSR):	10 BPM to 180 BPM in 1 BPM steps	
• Atrial fibrillation:	Coarse and fine	
• Monomorphic ventricular tachycardia:	120 BPM to 240 BPM in 5 BPM steps	
• Asystole:	Flat line	
<b>Automated defibrillator test ECG waves</b>		
Normal sinus:	10 BPM to 300 BPM in 1 BPM steps	

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Ventricular fibrillation:	Coarse and fine
Monomorphic ventricular tachycardia:	120 BPM to 300 BPM in 5 BPM steps
Polymorphic ventricular tachycardia:	5 types
Asystole:	Flat line
ECG Waves	
ECG general	
Lead configuration:	12-lead simulation; RA, LL, LA, RL, V1-6 with independent outputs
Lead to lead impedance:	1000 Ω (nominal)
Rate accuracy:	± 1 % nominal
ECG amplitudes	
Reference Lead	Selectable, Lead II (default) or Lead I
	0.05 mV to 0.45 mV by 0.05 mV steps and 0.5 mV to 5 mV by 0.5 mV steps
Accuracy (all performance waves and normal sinus R waves)	
Lead II	± 2 %
All other leads	± 5 %
Defib Paddles	± 5 %
ECG normal sinus	
Rates:	10 BPM to 360 BPM in 1 BPM steps
ECG high level output (BNC jack)	
Amplitude:	
• Range:	0.5 V per mV of reference lead setting
• Accuracy	± 5 %
Output impedance:	50 Ω
ECG Performance Waves	
Square wave	2 Hz and 0.125 Hz
Triangular wave	2 Hz and 2.5 Hz
Sine waves	0.05, 0.5, 5, 10, 40, 50, 60, 100, 150, and 200 Hz
Pulse	30 BPM and 60 BPM, 60 ms pulse width
R-wave detection	
Waveform	Haver-triangle
Amplitude	0.05 mV to 0.45 mV in 0.05 mV steps and 0.5 mV to 5 mV in 0.5 mV steps
Rate	30, 60, 80, 120, 200, and 250 BPM
Widths	8, 10, 12 ms, and 20 ms to 200 ms in 10 ms steps
Accuracy	± (1 % setting + 1 ms)
Noise immunity	
Wave:	Sine
Line frequency:	50 Hz or 60 Hz (± 0.5 Hz)
Amplitude:	
• Range:	0.0 mV to 10 mV in 0.5 mV steps
• Accuracy:	± 5 %
Safety Standards	CE: IEC/EN61010-1 2 <sup>nd</sup> Edition; Pollution Degree 2 CAN/CSA-C22.2 No. 61010-1; UL61010-1 C-Tick: Australian EMC
Certifications	CE, CSA, C-TICK N10140
Electromagnetic Compatibility (EMC)	European EMC: EN61326-1
Accessories	Manufacturer's Standard: 1 x User Manual CD, 1 x Getting Started Guide, 1 x USB

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	Computer Communication Cable, 1 x Carrying Case, 1 x Defib Paddle Contract Plates
<b>ELECTROSURGICAL ANALYZER</b>	<b>Description</b>
General Specifications	To contain all hardware and software necessary to complete preventive maintenance and troubleshooting, including additional cables, leads, <i>switch boxes (EITHER ACCESSORY OR BUILT-IN)</i> and <i>RECM box (EITHER ACCESSORY OR BUILT-IN)</i>
Physical Housing	preferably Metal case
Power Requirements	230 V ac, 60 Hz, universal input 230 V: 30 VA
User interface	
LCD	preferably Monochrome 240 pixels x 64 pixels, 8 lines x 40 characters, white LED backlight
Keys	preferably 6 (1 fixed, 5 soft-defined) and rotary selector knob
Environmental specifications	
Operating temperature:	10 °C to 40 °C (50 °F to 104 °F)
Storage temperature:	-20 °C to 60 °C (-4 °F to 140 °F)
Humidity:	10 % to 90 % non-condensing
Altitude:	2000 m maximum
IP rating:	IEC60529:IP20
Electromagnetic Compatibility (EMC)	
IEC 61326-1: Basic Emissions Classification:	IEC CISPR11: Group 1, Class A
USA (FCC):	Intentional Radiators
Safety	
IEC 61010-1:	Overvoltage category II, pollution degree 2
IEC 61010-2-030:	Measurement 5,000 V
Wireless module listing	
FCC (United States) compliant (Class A):	FCC ID: X3ZBTMOD3
IC (Industry Canada) compliant:	IC: 8828A-MOD3
CE (European) certified:	CE0051
Measurements and tests specifications	
Measures:	Cut and coag waveforms, monopolar and bipolar outputs
Power and current measurements:	True RMS
Bandwidth:	3 MHz at -3 dB including loads – See User's Manual Supplement for more information
Delay time for single measurements:	0.2 seconds to 4.0 seconds from Foot Switch activation to start of measurement
Duty cycle	
Variable load:	10 seconds on, 30 seconds off, at 100 W, all loads
Fixed 200 Ω load:	10 seconds on, 30 seconds off, at 400 W
Generator output measurements	
Load Resistance	
Variable:	0 Ω, 10 Ω, 20 Ω, 25 Ω to 2500 Ω (by 25 Ω), 2500 Ω to 5200 Ω (by 100 Ω)
Accuracy:	± 2.5 %
Power (0 W to 9.90 W ± 5 % + 1W, 10 W to 500 W ± 5 %)	
Maximum: At 25 % duty cycle (10	10 Ω: 300 W,

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seconds on, 30 seconds off)	
	20 Ω to 2900 Ω: 400 W,
	3000 Ω to 5200 Ω: 200 W
At 10 % duty cycle (5 seconds on, 45 seconds off)	10 Ω: 300 W,
	20 Ω to 2400 Ω: 500 W,
	2425 Ω to 2900 Ω: 400 W,
	3000 Ω to 5200 Ω: 200 W
<b>Current</b>	
RMS:	0 mA to 5,500 mA
Accuracy:	±(2.5 % of reading + 1 mA)
<b>Voltage</b>	
Peak:	10 kV Peak to Peak
Accuracy:	±(10 % of reading + 50 V)
Crest factor:	1.4 to 16.0 Defined as the ratio of Peak voltage to RMS voltage (Vpk /Vrms), using the larger of the 2 peaks (positive or negative)
<b>Vessel sealing measurement</b>	
Loop current, RMS:	0 mA to 5500 mA
Accuracy:	±(2.5 % of reading + 1mA)
<b>HF leakage current</b>	
Fixed load	200 Ω
V Accuracy	±2.5 %
Power rating	400 W
Additional fixed load	200 Ω
Current, RMS	0 mA to 5500 mA
Accuracy ±	(2.5 % of reading + 1 mA)
<b>CQM test (Contact Quality Monitor)</b>	
Resistances	0 Ω to 475 Ω (by 1 Ω)
Accuracy	0 Ω to 10 Ω ±0.5 Ω, 11 Ω and above ±5 %
Power rating	0.5 W
Auto time interval	1 to 5 seconds
<b>CQM test (Contact Quality Monitor)</b>	
Oscilloscope Output	1 V per ampere of input current, typical
Footswitch simulations	Cut and Coag
<b>Communications</b>	
USB device port	Micro B connector, full speed
Wireless port	802.15, Speed: 115,200 baud
<b>Memory</b>	
Test records	5,000
Non-volatile	retained through power cycling
<b>Calibration</b>	
Recommended cycle	Traceable to the International System of Units (SI) through the appropriate National Metrology Institutes such as NIST or through intrinsic standards.
Safety Standards	IEC 61010-1: Overvoltage Category II, Pollution Degree 2 IEC 61010-2-030: Measurement 5,000V
Certifications	FCC Compliant (Class A), IC (Industry Canada), CE (European) Certified
Electromagnetic Compatibility (EMC)	IEC 61326-1: Basic Emissions Classified, USA FCC
Accessories	Manufacturer's Standard: 1 x User's Manual, 1 x ESU dispersive safety lead, 1 x

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	ESU safety lead, 1 x Safety retractable lead (blue, yellow, green, 2-black, red), 1 x large alligator clips (black, 2 red), 1 x Mirco USB cable 2m, 1 x multi-stacking banana plug patch cord, 2m, 1 x Alarm disabling lead, Bipolar activation lead
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**BIOMEDICAL EQUIPMENT**

LAPTOP	Description
Processor	Intel Core i5-14500HX or above
Display	16" FHD or higher, 240Hz or above
Memory	16 GB RAM (4800MHz)
Solid State Drive	512GB PCIe® Gen4 NVMe TLC M.2 SSD
Graphics Card	6GB DDR6 NVIDIA GeForce RTX 4050
Operating System	Windows Pro 11 64 Bit
Microsoft Office	Microsoft Office 2021 Home & Student 2021
Included Software	Antivirus with 1 year subscription
Network and Communication	<ul style="list-style-type: none"> <li>- Wireless LAN-(IEEE 802.11 a/b/g/n/ac/ax), Ethernet Technology: Gigabit,</li> <li>Bluetooth Standard: 5.3 or above</li> <li>- Built-in Devices: Microphone</li> </ul>
Interfaces/Ports	HDMI Output - 1, Number of USB Ports, Super Speed (SS) USB, Type A - 3, SS USB Type C - 2, Network (RJ-45) - Yes, Audio Line In - Yes, Headphone - Yes
Audio	Dual Speakers
Camera	1280 x 720 resolution
Battery	Lithium Ion (Li-Ion)
Freebies	Backpack, Mouse and Mousepad
Warranty	1-year parts and services
Green Specification	Preferably with sustainable impact specifications (energy efficient, made of recyclable materials, non-toxic materials, etc.)

**PRINTER**

PRINTER	Description
Printer Type	Print, Scan, Copy, Fax with ADF
Nozzle Configuration	1 nozzle Black, 1 nozzle per colour (Cyan, Magenta, Yellow)
Maximum Resolution	4800 x 1200 dpi
Copy Quality	Standard
High, Maximum Copy Size	Legal, Copy Resolution (600 x 600 dpi)
Scanning	Scanner Type (Flatbed colour image scanner), Optical Resolution (1200 x 2400 dpi)
Paper Handling	Number of Paper Trays - 1
Paper Sizes	A4, Letter, 8.5 x 13" Legal 8.5 x 14"
Standard Input Capacity	Up to 100 sheets of plain paper (80gsm)
Output Capacity	Up to 30 sheets of plain paper (80gsm)
Card Slot/USB Host Function	USB 2.0
Interface	USB: 2.0, Network: (Ethernet, Wi-Fi IEEE 802.11b/g/n) Network Protocol (TCP/IPv4, TCP/IPv6)
Control Panel	1.44" Colour LCD Panel
Supported OS and Application	Windows 11
Standard nominal Voltage and Frequency	220V / 60Hz
Consumables	With 1 set of ink bottles (BK/CY/MG/YW)
Warranty	1-year parts and services
Green Specification	Preferably with sustainable impact specifications (energy efficient, made of

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LABEL PRINTER		recyclable materials, non-toxic materials, etc.)
		Description
<b>Standard Features</b>		
Printer Methods		-Thermal Transfer or Direct Thermal -USB 2.0, USB Host -Printer setup mobile app for Android and iOS via BLE (Bluetooth Low Energy 5) connection -Real Time Clock (RTC)
<b>Printer Specifications</b>		
Operating System	Link-OS	
Resolution	203 dpi/8 dots per mm	
Memory	512 MB Flash; 256 MB SDRAM	
Maximum Print Speed	6 in./152 mm per second (203 dpi)	
<b>Media and Ribbon Characteristics</b>		
Label Length	Minimum: 0.25 in.; Maximum: 39.0 in.	
Media Thickness	0.003 in. min.; 0.0075 in. max	
Media Types	Roll-fed or fan-fold, die cut or continuous with or without black mark, tag stock, continuous receipt paper	
<b>Operating Characteristics</b>		
Electrical	Standard nominal Voltage and Frequency: 220V / 60Hz	
Green Specification	Preferably with sustainable impact specifications (energy efficient – Energy Star certified, made of recyclable materials, non-toxic materials, etc.)	
Inclusion	As per manufacturers Standard	
Green Specification	Preferably with sustainable impact specifications (energy efficient, made of recyclable materials, non-toxic materials, etc.)	
<b>SMART TV 65"</b>		Description
PICTURE		
Display Resolution (pixels)	3840 x 2160	
4K Resolution	High Dynamic Range (HDR)	
Backlight Type	Direct LED	
Viewing Angle (R/L)	178 (89/89) degree	
AUDIO		
Bluetooth Profile Support: Version	5.3	
Speaker Type	Bass Reflex Speaker	
Speaker Type-2	Balanced Speaker	
Speaker Configuration	Full Range (Bass Refle) x 2	
Audio Format Support	Dolby Audio, Dolby Atmos	
TERMINALS		
HDMI Signal	4096x2160p, 3840x2160p, 1080p/1080i, 720p	
USB Ports	2	
Ethernet Input	1	
RF (Terrestrial/Cable) Connection Input	1 side	
Digital Audio Output	1	
NETWORK FEATURES		
Tuner Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/CATV: 1-135	
TV System (Digital Terrestrial)	ISDB-T	
Tuner Channel Coverage (Digital)	VHF: 7-13/UHF: 14-69	

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Terrestrial)	
Wi-Fi Certified	Yes
Wi-Fi Standard	a/b/g/n/ac/ax
Wi-Fi Frequency	2.4GHz/5GHz
Chromecast built-in	Yes
<b>GENERAL SPECIFICATIONS</b>	
Standard nominal Voltage and Frequency	220V / 60Hz
Accessories	Voice Remote Control (Supply), AC Plug Convertor, Batteries, AC Power, Cord, Operating Instructions, Quick Set-up Guide, Table Top Stand, Wall Mounted Bracket
Manufacturing Date	2023 - 2024
Warranty	2 years for parts and services
Green Specification	Preferably with sustainable impact specifications (energy efficient, made of recyclable materials, non-toxic materials, etc.)

ANALYZER CASES [1]		Description
Material	Engineering Resin + Glass Fiber	
Foam	Pick & Pluck	
Volume	At least 80 Liters	
Protection	Waterproof-IP 67, Shockproof	
Case Type	Trolley w/wheels and retractable handle	
Color	Black/Army Green	
Internal Dimension	At least 23 x 17 x 12"	
Warranty	1 year for parts and services	

ANALYZER CASES [2]		Description
Material	Engineering Resin + Glass Fiber	
Foam	Pick & Pluck	
Volume	At least 25 Liters	
Protection	Waterproof-IP 67, Shockproof	
Case Type	Handcarry with wheels	
Color	Black/Army Green	
Internal Dimension	At least 20 x 10 x 7"	
Warranty	1 year for parts and services	

#### ANNEX B

1. Brochure (original or internet download) (FINANCIAL DOCUMENTS) or equivalent document of the brand / model of the goods being offered showing compliance to the technical specification
2. Manufacturer's Certification (POST-QUALIFICATION DOCUMENTS) that:
  - a. The bidder is authorized to distribute / deal / resell the particular product being offered nationwide (POST-QUALIFICATION)
  - b. The goods and all its accessories, consumables to be supplied are brand new, original and available
  - c. The MANUFACTURING DATE OF THE GOODS OFFERED SHALL NOT BE LATER than TWO (2) years FROM BID OPENING. (POST-QUALIFICATION)
  - d. The guarantee of availability of parts within 10 years FROM DATE OF DELIVERY.
  - e. The installers of units are authorized/accredited by the dealer/manufacturer
  - f. With 95% uptime and 5% downtime WITHIN THE WARRANTY PERIOD
  - g. Manufacturer's Certificate Brand must be in the local and/or international market for at least 5 years (POST-QUALIFICATION)
3. Preventive Maintenance is on annual basis during warranty period and shall submit preventive maintenance schedule and service report.

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4. Calibration of analyzers is on annual basis during warranty period and shall submit calibration schedule and Calibration report from manufacturers.
5. Provide calibrated loaner unit during calibration of the analyzers.
6. Training of End-User (Operation and Troubleshooting) with Certificate of Training should be provided and should contain the following details:
  - a. Name of Trainee
  - b. Modality, Brand, Model of Equipment
  - c. Type of Training Conducted
  - d. Inclusive Dates of the Training
  - e. Name of Trainer, Date and Venue
7. Complete hardware and standard accessories including operator based on manufacturer's package.
8. Dedicated software according to its brand which can be interface to pc or laptop preferably windows 11 or latest based software for Vital Signs Simulator and Defibrillator Analyzer
9. Laptops (2), Office Ink Tank Printer, Label Printer, Smart TV, Analyzer Cases (2), Test tools software does not require presentation of demo unit during POST-QUALIFICATION.

**ANNEX C**

1. From the date of delivery and acceptance of the products, the winning bidder shall warrant that the products are free from defects in materials and workmanship and shall undertake repair or replacement of any part(s) or portion of the equipment without cost to the government. Warranty period shall be at least two (2) years on parts and services, ninety (90) days for accessories;
2. If the units are malfunctioning or inoperable, the supplier shall provide maintenance service within seventy-two (72) hours after receipt of notification at no cost to VMC.

You are required to submit performance security in the form and amount stipulated in the Instruction to Bidders. Failure to provide the performance security shall constitute sufficient grounds for cancellation of the award and failure of the bid security.

The Valenzuela Medical Center reserves the right to withdraw / terminate this Notice of Award in view of non-delivery on the time specified, delivery of items of poor quality / substandard and any other violation of the terms and conditions provided in the Instruction to Bidders.

Form of Performance Security	Amount of Performance Security (Equal to Percentage of the Total Contract Price)
a) Cash or Cashier's/manager (payable to <b>BUREAU OF TREASURY</b> ), check issued by a Universal or Commercial Bank	
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	Goods and Consulting Services - Five percent (5%); Infrastructure Projects - Ten percent (10%)
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Thirty percent (30%)

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**INSTRUCTIONS:**

If you have no corrections to the contents of this NOTICE OF AWARD (NOA), please submit Performance Security. The original copy of the NOA should be signed and claimed at the BAC Office, Valenzuela Medical Center. Further, please submit a certificate stating your Bank Account details.

Approved by:

AUG 27 2025

EDILBERTO V. CAVANEYRO, MD, MHA, FPCS, FPSGS  
OIC-Medical Center Chief II

Conformed:

ABIGAIL E. ALFONSO  
CHANNEL BUSINESS MANAGER

Authorized Representative  
**GLOBO ASIATICO ENTERPRISES INC.**

Company

Date:

8/26/25

mailed 8/28/25  
del

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