

SUPPLEMENTAL BID BULLETIN No. 025-2021

SUBJECT.

Revisions in the Bidding Documents

PROJECT/S

: Revised Technical Specifications of

1 Lot Cardiac Monitoring System - ITB No. 032.21

************************** To ensure that the transactions are comparatively advantageous to the interests of the PHC, the

originally pre-issued bidding documents as mentioned above, revisions are hereby introduced:

ONE-LOT CARDIAC MONITORING SYSTEM

(2 Central Monitors, / 16 Cardiac Monitors / 2 Defibrillator with Pacer and Trolley, 2 ECG / 2 Transport Monitors with Trolley)

A. GENERAL SPECIFICATIONS FOR CARDIAC and CENTRAL MONITORS

QUANTITY: 16 units cardiac monitor

2 units transport monitor

with trolley

- 1. Data should have all the following basic parameters: Electrocardiogram (ECG)
 - Respiratory Rate • Pulse Oximetry (SPO2)
 - o Temperature

market

- Non-Invasive Blood Pressure
- ETCO₂ (end tidal CO₂) With adaptor attached to mechanical ventilator

tubings with provision of at least 5 pcs each unit and with availability for at least 5 years in the

- 2. All units of cardiac monitors should have internal storage capacity of data.
- 3. All units of cardiac monitors should be able to do inter-bed display within the unit simultaneously
- 4. Local supplier to issue a duly notarized certification regarding: All units of cardiac monitors should have at least 30mins UPS that can sustain operation for at least 30 mins.
- 5. Data display should be easily readable: font size adjustable accordingly

- 6. Screen for Cardiac Monitor should be: Touch Screen Operation o LCD or LED color display with minimum resolution \geq 1024 x 768 pixels 7. All units of cardiac monitors should have color-coded waveforms for easy identification 8. All units of cardiac monitors should have adjustable audible and visual alarm system for all the following items: Low or high Cardiac Rate o Arrhythmia o Low or high Respiratory Rate
 - Low or high Blood Pressure

charge)

- Low level Oxygen Saturation Lead disconnection
- 9. Local suppliers to issue a duly notarized certification regarding:
- 10. Plugs fitted to PHC electrical outlet auto-voltage range from 100-240 volts, or 220-240 voltage range, 60Hz.

Duly licensed software upgrades should be available (free of

- 11. With internal battery that can sustain power for at least 1 hour
 - 12. Cardiac monitor screen should be at least 15 inches (38.1cms) and bedside monitors.

13. Installation of monitors and brackets (wall mounted) to be

shouldered by the bidder. 14. Each cardiac monitor must have the following Non-invasive

Blood Pressure cuffs for the following age groups:

- o (1 unit) Neonates and premature infants o (1 unit) Infants

 - (1 unit) Older children (1 unit) Small adult
- o (1 unit) Adult
 - (1 unit) Large adult
- (1 unit) Adult thigh
- with their respective properly labeled arm/thigh circumference ranges for each age group
- 15. Pulse Oximetry (SPO2) sensor reusable and waterproof. Sizes available for neonates, children and adult respectively for each bedside monitor.

QUANTITY: 1. Should have two (2) invasive pressure monitoring capable: 8 units • Arterial Blood Pressure (ABP) Pulmonary Artery Pressure (PAP) AREAS: o Thermodilution Code Area 2. Should be able to provide dynamic measures for preload responsiveness assessment: Pulse Pressure Variability (PPV) Systolic Pressure Variability (SPV) or Stroke Volume Variability (SVV) esCCO based on PWTT parameters (Pulse Wave Transit Time) 3. All 8 units bedside monitors should have End-Tidal Carbon Dioxide (ETCO2) monitoring with respective cables

16. Two units trolley for transport monitors

4. Local suppliers to issue a duly notarized certification regarding: equipped with clinical decision-making tools / algorithms for cases eg: Myocardial Infarction in the software upgradable when

5. Each unit of bedside monitors should have reusable temp

17. Quality Standard - ISO 13485

B. SPECIAL REQUIREMENTS

C. SPECIFICATIONS FOR CENTRAL MONITORS AREA: Nurses' Station

1. Two central monitors should have the following:

necessary..

probes

(1) rectal

(1) oropharyngeal (1) skin probe

o Display at least 20 patients with either single or dual display

QUANTITY: Capability for printing events 2 units Automatically / Manually compute for Qtc 2. Should be able to store at least 48 hours of data for rhythm analysis, events, trends, vital signs, ST analysis
3. Should be able to display the following:
At least 2 ECG leads in real-time on display simultaneously

4. Plugs fitted to PHC electrical outlet auto-voltage range from 100-240 volts or with 220-240 voltage range, 60Hz, UPS for the Central Monitor that can sustain operation for at least 30 minutes.

 12-Lead Electrocardiogram (ECG) capable record, analyze and document studies from all ECG-capable

LCD or LED color display with minimum resolution

≥ 1024 x 768 pixels
6. Monitor fixed at nurses' station and screen should be at least 24 inches (60.96 cms)

1. Capable of data storage for minimum of 48 hours

5. Screen for Central Monitor should be:Touch Screen

monitors

7. Installation to be shouldered by the bidder.

QUANTITY:

D. SPECIFICATIONS FOR DEFIBRILLATORS WITH PACER AND TROLLEY

2. Biphasic technology
 Color LCD Screen at least 6.5 inches display with a minimum resolution of 640 x 480
 With color-coded 3-6 ECG lead wires
 Monitoring parameters:ECG, SPO2, NIBP and Capnography a. Capnography: warm up time at least less than 10 seconds; capable for intubated and non- intubated patients (accessories provided)
 AED mode capability
 External pacer capability for pedia and adult.
 External cable paddles for both adult and pedia, with indicator demonstrating good contact; with discharge buttons

	10. Charge status indicator
	11. Fast-charging, in 5 seconds or less for energy of 200 joules
	12. As defibrillator, it should be capable of at least 100 shocks at a minimum 200J at fully charged battery a. Quick recovery ECG baseline at least less than 3 seconds
	13. Automatic disarm feature
	14. Monitoring Parameters Alarms: setting adjustable
	15. Recorder of parameters printed on thermal paper
	16. Monitoring cart/trolley; 4 wheel caster with brakes
	17. With built in handle
	18. Lithium-ion battery or Ni-MH; with battery indicator
	19. Power supply: 110-220 volts; or with 220-240 voltage range or 60 Hz
	20. Electrical plug compatible with PHC set socket- provided certification
	21. Quality standard: ISO 13485
	22. Free regular quarterly preventive maintenance for 2 years
	23. Warranty of 3 years for all parts, labors and accessories
E. SPECIFICATIONS	FOR ECG MACHINE
QUANTITY: 2 units	1. Should be 12-channel device
	2. ECG reports – 3x4, 3x4 1R, 3x4 3R, 3x4 1R plus ST maps, 6x2, 12x1, Standard and Cabrera formats, plus Pan 12 Cabrera or its equivalent

9. Output energy; 2 joules to 360 joules; adjustable settings

3. Standard measurements – Ten-interval, duration, and axis measurements / Configuration QT correction method

- 18. Supplier must submit notarized certification of good standing to end PHC user 19. Quality Standard – ISO 13485 This Supplemental Bid Bulletin is hereby issued to modify the original parameters as stated therein. All other requirements previously stated on the bid documents must be complied.
- 13. Battery capacity Typically 30 ECGs or 30 minutes of continuous rhythm recording on a full charge. No fail operation during ECG printing

12. Battery - Lithium ion

- 14. Battery recharge 4 hours to full capacity
 - 16. Lead wires must be attached to bulbs and clamps for more stable
 - acquisition of the ECG signals

15. Power requirement – 220-240 volts, 60 Hz

4. Rhythm strips – Up to 12 configuration leads

6. Disclosure – Five minute history of all 12 leads

9. Must be compatible and capable for uploading in Hospital Information System of the Philippine Heart Center

11. Keyboard – standard full alphanumeric keyboard

5. Report format in both XML and PDF

7. Built-in training mode for easy learning

10. Screen – touch screen or touch panel

8. Must detect wrong lead placements

- 17. Must provide ECG cart per ECG machine

Please be guided accordingly. Approved. Done this 24th day of June 2021, BAC Office.

VEĽÁŠCO, RN, MAN. Chairman, BAC for Pharma Supplies and Med Equipmen