



PHILIPPINE HEART CENTER  
East Avenue, Quezon City

**SUPPLEMENTAL BID BULLETIN No. 053-2024**

**SUBJECT** : Modification in the Technical Specifications of the Project

**PROJECT** : 1 Lot Cardiac Telemetry Monitoring System ITB No. 046.24

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To ensure that the transactions are comparatively advantageous to the interests of the PHC, the originally pre-issued bidding documents as mentioned above, revised technical specifications are hereby introduced

Page No/ Item No.	PHC- Technical Specification FROM	Clarifications/Amended "Should be read as" TO
	<b>Item: Specifications</b> <b>Project: 1 Lot Cardiac Telemetry Monitoring System (109 Transmitter/Monitors and sets of Cardiac Monitoring Station, 4 units Portable Minimally Invasive Cardiac Output Monitors, 1 Centralized Monitoring System</b>	<b>Item: Specifications</b> <b>Project: 1 Lot Cardiac Telemetry Monitoring System (109 Transmitter/Monitors and sets of Cardiac Monitoring Station, 4 units Portable Noninvasive Cardiac Output Monitors, 1 Centralized Monitoring System/Command Center</b>
	<b>A. Transmitter/Monitors and Sets of Central Station</b>	
	1.5. Simultaneous analysis of at least 4 leads (user-defined) QRS detection	1.5. Simultaneous analysis of at least 2 to 4 leads (user-defined) QRS detection
	2.2. For adult: Each unit/transmitter must have 2 pieces of the following sizes of finger probe 2.2.1. Small Adult 2.2.2. Regular Adult	2.2. For adult: Each unit/transmitter must have 2 pieces of the following sizes of finger probe  2.2.1. Small Adult 2.2.2. Regular Adult
	2.3. For Pedia: Each unit must have 2 pieces of the following sizes of reusable wrap sensor (with compatibility to disposal type) 2.3.1. Neonate 2.3.2. Infant 2.3.3. Child	2.3. For Pedia: Each unit/transmitter must have 2 pieces of the following sizes of reusable wrap sensor (with compatibility to disposal type) 2.3.1. Neonate size or compatible size for neonate 2.3.2. Infant 2.3.3. Child

	2.6. Perfusion Indicator range: 0.05 – 20%	2.6. Perfusion Indicator range: 0.05 – 20% or signal quality indicator																					
	<p>4.2. Range:</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Lowest</th> <th>Highest</th> </tr> </thead> <tbody> <tr> <td>Systolic</td> <td>25 mmHg</td> <td>290 mmHg</td> </tr> <tr> <td>Diastolic</td> <td>10 mmHg</td> <td>210 mmHg</td> </tr> <tr> <td>Mean</td> <td>15 mmHg</td> <td>270 mmHg</td> </tr> </tbody> </table>	Parameters	Lowest	Highest	Systolic	25 mmHg	290 mmHg	Diastolic	10 mmHg	210 mmHg	Mean	15 mmHg	270 mmHg	<p>4.2. Range:</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Lowest</th> <th>Highest</th> </tr> </thead> <tbody> <tr> <td>Systolic</td> <td>≤30 mmHg</td> <td>≥270 mmHg</td> </tr> <tr> <td>Diastolic</td> <td>10 mmHg</td> <td>≥210 mmHg</td> </tr> </tbody> </table>	Parameters	Lowest	Highest	Systolic	≤30 mmHg	≥270 mmHg	Diastolic	10 mmHg	≥210 mmHg
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	4.3. Cuff inflation time: 30 – 120second	4.3. Cuff inflation time: 60 –120 seconds																					
	4.5. Interval in Automatic mode: from 5 minutes up to 480 minutes	4.5. Interval in Automatic mode: from 5 minutes up to 120 minutes																					
	4.6. Accuracy: ± 5mmHg	4.6.. Accuracy: ± 5mmHg or less																					
	<p>4.8. With variable cuff sizes fit for adult patients</p> <p>4.8.1. 12 cm x 22 (small adult with arm circumference 18-26cm) – 5 pcs/transmitter</p> <p>4.8.2. 16 cm x 30 cm (regular adult with arm circumference 25 – 35cm) 5 pcs/transmitter</p> <p>4.8.3. 16 cm x 36 cm (large 33 – 47 cm)- 80 pcs/lot</p> <p>4.8.4. 16 cm x 42 cm (extra-large) air circumference 45 –66cm- 40 pcs/lot</p>	<p>4.8. With variable cuff sizes based on manufactures specifications that fit for adult patient</p> <p>4.8.1. small adult – 2pcs/transmitter</p> <p>4.8.2. regular adult – 3pcs/transmitter</p> <p>4.8.3. large adult- 3 pcs/transmitter</p> <p>4.8.4. extra large adult- 2 pcs per transmitter</p>																					
	<p>4.9. With variable cuff sizes for pediatric patients</p> <p>4.9.1. 6 cm x 12 cm (infant with arm circumference 10-19 cm)- 5 pcs/transmitter</p> <p>4.9.2. 8 cm x 22 cm (child with Arm circumference 15-21 cm)-5 pcs/transmitter</p> <p>4.9.3.10 cm x 22 cm (young Adult with arm circumference 20-26 cm) – 5 pcs/transmitter</p> <p>4.9.4. 13 cm x 28 cm (adult with arm circumference 25-34 cm)- 5 pcs/transmitter</p>	<p>4.9. With variable cuff sizes based on manufacturers' specifications that fit pediatric</p> <p>4.9.1. infant – 3 pcs/transmitter</p> <p>4.9.2. child – 3 pcs/transmitter</p> <p>4.9.3. young adult or small adult- 3 pcs/trafismitter</p> <p>4.9.4. adult- 3 pcs/transmitter</p>																					

	6.2. Charging Time: up to 12	6.2. Charging Time: up to 12 hours or maximum of 12 hours
	6.3. Full Charge Running Time 36-48 hours	6.3. Full Charge Running not less than 12 hrs
	7.2. At least 480 pixels x 320-pixel resolution	7.2. At least 240 pixels x 320-pixel resolution or up to 800-pixel resolution
	7.9. With alarm lamp and speaker	7.9. With alarm light and audio alarm or its equivalent
	7.10. With at least 1.2 – 1.5meters drop protection	7.10. With at least 1 meter drop protection
	8.1. Master/Slave structure with LCD display monitors of at least 32” in size and resolution of at least 1280 x 1024	8.1. Master and Slave/ Master-slave structure with LCD display monitors of at least 24” in size and resolution of at least 1280 x 1024
	8.2. Sets of central monitoring stations with display monitors for each station 8.2.1 For 3B – 2 sets central monitoring stations with 2 display monitors to 14-16 transmitters/monitor 8.2.2 For 3c, 4e,4f,4g- 3 sets central monitoring stations with 3 display monitors to 25 transmitters/monitor	8.2 Sets of central monitoring stations with display monitors that can be convertible to wall-mounted type 8.2.1 Central monitors – 5 units  8.2.2 Display monitors - 15 units
	<b>B. Portable Minimally Invasive Cardiac Output Monitors</b>	<b>B. Non-Invasive Cardiac Output Monitors</b>
	1.5. Simultaneous analysis of at least 4 leads (user-defined) QRS detection	1.5. Simultaneous analysis of at least 2 to 4 leads (user-defined) QRS detection
	2.1. For Pedia: Each unit must have 2 pieces of the following sizes of reusable wrap sensor (with compatibility to disposal type) 2.3.1 Neonate	2.1. For Pedia: Each unit must have 2 pieces of the following sizes of reusable wrap sensor (with compatibility to disposal type) 2.3.1 Neonate size or compatible size for neonate
	3.1. PR detection from 20- 300 beats per minute	3.1. PR detection from 30- 300 beats per minute



	<p>4.2. Range:</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Lowest</th> <th>Highest</th> </tr> </thead> <tbody> <tr> <td>Systolic</td> <td>25 mmHg</td> <td>290 mmHg</td> </tr> <tr> <td>Diastolic</td> <td>10 mmHg</td> <td>210 mmHg</td> </tr> <tr> <td>Mean</td> <td>15 mmHg</td> <td>270 mmHg</td> </tr> </tbody> </table>	Parameters	Lowest	Highest	Systolic	25 mmHg	290 mmHg	Diastolic	10 mmHg	210 mmHg	Mean	15 mmHg	270 mmHg	<p>4.2. Range:</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Lowest</th> <th>Highest</th> </tr> </thead> <tbody> <tr> <td>Systolic</td> <td>≤30 mmHg</td> <td>≥270 mmHg</td> </tr> <tr> <td>Diastolic</td> <td>10 mmHg</td> <td>≥210 mmHg</td> </tr> </tbody> </table>	Parameters	Lowest	Highest	Systolic	≤30 mmHg	≥270 mmHg	Diastolic	10 mmHg	≥210 mmHg
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	4.3. Cuff inflation time: 30 – 120 seconds	4.3. Cuff inflation time: 60 –120 seconds																					
	5. Side Stream Capnography	5. Main Stream Capnography-																					
	5.1. Measurement Range: 0-150 mmHg, 0.19%	5.1. Measurement Range: 0-150 mmHg																					
	5.2. Warm-up time: less than 10 seconds	5.2. Warm-up time: less than 120 seconds																					
	5.3. Accuracy: 0-40 mmHg <u>+ 2 mm Hg</u> 41-70 mmHg <u>+ 5% mm Hg</u> 71-100 mmHg <u>+ 8% mm Hg</u> 101-150 mmHg <u>+ 10% mm Hg</u>	(Remove 5.3 accuracy)																					
	5.5. Respiration Accuracy: <u>+ 1</u> breaths per minute	(Remove 5.5 Respiratory accuracy)																					
	6. Minimally Invasive or completely Non-Invasive Cardiac Output	6. Completely Non-Invasive Cardiac Output																					
	6.1. With Software for determining minimally/ completely noninvasive cardiac output	6.1. With Software or its equivalent for determining completely noninvasive cardiac output																					
	7.1. Monitor: lightweight: minimum of 3 and maximum of 5 kg	7.1. Monitor: lightweight: minimum of 3 and maximum of 7.5 kg																					
	7.2.1. Size: minimum of 6 and maximum of 8 inches	7.2.1. Size: minimum of 6 and maximum of 16 inches																					
	7. 6. Swivel adjustment	7. 6. Swivel adjustment (optional)																					

<b>C. Centralized Monitoring System/Command Center</b>	
2.3. Alarm grading: set the alarm grade for each parameter and event, including Normal, Serious, and Emergency	2.3. Alarm grading: set the alarm grade for each parameter and event, including Normal, Serious, and Emergency or its equivalent terminology
2.5. With integrated AI for selecting the critical parameters of patients based on the set alarm	2.5. With integrated AI or its equivalent technology or terminology for selecting the critical parameters of patients based on the set alarm
<b>Additional</b> 4.2.	4.2. With provision to connect with the existing CMS for 3A,3F and APW2.
6.7. Delivery Period: 90 Calendar days	6.7. Delivery Period: 120 Calendar days
<b>Additional</b> <b>8.</b>	<b>8. Location:</b> CCMD 2 <sup>nd</sup> Floor Hospital Building
7.8. Similar largest completed contract for the last 3 years	7.8. Similar largest completed contract for the last 4 years
<b>Section III. Bid Data Sheet</b>	
For this purpose, contracts similar to the Project shall be: a. Cardiac Telemetry Monitoring System b. completed within the past 3 years prior to the deadline for the submission of receipt of bids	For this purpose, contracts similar to the Project shall be: a. Cardiac Telemetry Monitoring System or various Cardiac Diagnostic and Monitoring Equipment. b. completed within the past 4 years prior to the deadline for the submission of receipt of bids

This Supplemental Bid Bulletin is hereby supersedes the original parameters as stated therein. All other requirements previously stated on the bid documents must be complied.

Please be guided accordingly.

**Approved.** Done this 11<sup>th</sup> day of June 2024, BAC Office, PHC.

**ANTONIO D. PASCUAL, MD.**

Chairman, BAC for Pharmaceutical Supplies and Medical Equipment