



PHILIPPINE HEART CENTER
East Avenue, Quezon City

SUPPLEMENTAL BID BULLETIN No. 029-2023

SUBJECT : Changes in the Bidding Documents

PROJECT/S : 1 unit High End Echo Machine - ITB No. 037.23

To ensure that the transactions are comparatively advantageous to the interests of the PHC, the originally pre-issued bidding documents, thus, revisions/changes are hereby introduced.

Page No/ Item No.	PHC- Technical Specification	Clarifications/Amended "Should be read as"
	FROM	TO
Page 39	1.1.6 There should be an AUTOMATED analysis and visualization of the mitral and aortic valve by 3D transesophageal echocardiogram.	1.1.6 Must provide a certificate that there should be an AUTOMATED analysis (Single plot, single click analysis) and visualization of the mitral and aortic valve by 3D transesophageal echocardiogram.
Page 40	1.1.11. Must submit a certificate that the vendor shall be responsible inclusive of cost; software and hardware upgrade of the existing server (latest edition). Must provide 5 concurrent licenses. The concurrent license must have the ability of the following: a. View echocardiogram studies; b. Generate echocardiogram reports; c. Schedule patients to echocardiogram procedures; d. Transmit patient details from the software to all existing echo machines of Non-Invasive Cardiology Division.	CHOOSE WHICH IS APPLICABLE: 1.1.11. A. For vendors which have an existing Picture archive communication system/server of Non-invasive since 2017 up to present, the vendors must submit a certificate that they shall fully responsible inclusive of cost, software and hardware upgrade of the existing server (latest edition) and must provide 3 concurrent licenses. - OR - 1.1.11. B. For vendors who have an existing Picture Archive Communication System/server of non-invasive since 2022 up to present, the vendors must submit a certificate that shall be providing 3 concurrent licenses. - OR - 1.1.11 C. For vendors who do not have an existing Picture archive communication system/server for Non-Invasive the vendor shall provide cardiology application server hardware; all data processed in the in the existing server/picture archive system should be accessible in the new server, vice versa and in the Philippine Heart Center Hospital Information System. It should have the following minimum requirements: a. CPU: at least Intel Xeon multi-core processor 10 core b. Random Access Memory (RAM): at least 64 gigabyte (GB)

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Page 40		<p>c. Video Resolution: monitor resolution of at least 1280 x 1024 up to 2560 x 1600</p> <p>d. Hard Disk Space: total space at least 4.8 terabyte (TB) with at least 500 gigabyte (GB) least 500 gigabyte (GB) reserved for future allocation</p> <p> i. Operating System Disk: at least 100 gigabyte (GB) partition (at least 4 kilobyte (KB) cluster size</p> <p> ii. Database: at least 1 terabyte (TB) (at least 64 kilobyte (KB) cluster size</p> <p> iii. Online imaging Cache: at least 2.4 terabyte (TB)</p> <p> iv. Thumbnail Cache: at least 400 gigabyte (GB) (at least 64 kilobyte (KB) cluster size)</p> <p> v. Web Image Cache: at least 400 gigabyte (GB) (at least 64 kilobyte (KB) cluster size)</p> <p>e. Optical Media: CD/DVD +/- Rewriter</p> <p>f. Ethernet Controller: at least two (2) Network interface controllers (NIC) with redundant fail over</p> <p>g. RAID controller:</p> <p> i. Redundant Array of Independent Disks (RAID) controller supporting RAID 1 and RAID 5 with software monitoring feature</p> <p> ii. Redundant Array of Independent Disks (RAID) write cache enable with at least 2 gigabyte (GB) “smart array” flash-backed write cache</p> <p>h. USB Ports: at least 4 ports</p> <p>i. Software requirements:</p> <p> i. Operating System: at least Microsoft Windows Server 2012 R2 Standard edition (64-bit) or higher</p> <p> ii. Database Server: at least Microsoft SQL Server 2012 SP2 standard edition (64-bit) or SQL Server 2014 standard edition (64-bit) or higher</p> <p> iii. Web Server: at least Microsoft Internet Information Services 8.5</p> <p> iv. Software Framework: at least Microsoft .NET version 4.5.2</p> <p> v. Lifetime licensed antivirus software</p> <p>j. With 5 concurrent licenses.</p> <p>k. With One (1) unit of an Uninterruptible Power Supply: at least 600VA line interactive UPS. Must have a 30 minutes power battery</p>

Page No/ Item No.	PHC- Technical Specification	Clarifications/Amended "Should be read as"
Page 40	<p>1.3.1 System shall include the appropriate transducers to perform 2DE and 3DE imaging and Doppler scans consistent with the required application. This shall include:</p> <p>a. One (1) Adult Phased array transducer b. One (1) 3D Transthoracic transducer</p> <p style="text-align: center;">OR</p> <p>a. One (1) 2-in-1 2D/3D transthoracic</p> <p>1.3.1 Must submit a certificate that vendor shall provide three (3) units of Scanner printer</p> <p>a. Capable of scan multiple pages or documents b. Uses ink that is readily available in the market c. Print resolution: Up to 1200 by 1200 dpi d. Printing speed: at least 30-50 pages per minute e. Compatible with the existing workstation/computers in Non-Invasive Cardiology</p>	<p>1.3.1 System shall include the appropriate transducers to perform 2DE and 3DE imaging and Doppler scans consistent with the required application. This shall include:</p> <p>a. One (1) Adult Phased array transducer b. One (1) 3D Transthoracic transducer</p> <p style="text-align: center;">OR</p> <p>One (1) 2-in-1 2D/3D transthoracic</p> <p>1.3.1 Must submit a certificate that vendor shall provide one (1) unit of Scanner printer</p> <p>a. Capable of scan multiple pages or documents b. Uses ink that is readily available in the market c. Print resolution: Up to 1200 by 1200 dpi d. Printing speed: at least 30-50 pages per minute e. Compatible with the existing workstation/computers in Non-Invasive Cardiology</p>
Page 41	<p>1.6.1 Must submit a certificate that the vendor will provide two (2) network switches with 10 Gig SFP+ modules and cable with 48 ports and all Local Area Network (LAN) cables with RJ45 connectors needed for installation.</p>	<p>1.6.1 Must submit a certificate that the vendor will provide one (1) network switches with 10 Gig SFP+ modules and cable with 24 ports and all Local Area Network (LAN) cables with RJ45 connectors needed for installation.</p>
Page 41	<p>1.6.2 For additional storage the vendor must submit a certificate that the vendor will provide Rackmount Network-attached storage (NAS) with at least 130 terabyte (TB) usable capacity and will connect it to the existing server/picture archive communication system of the Non- Invasive Division</p>	<p>1.6.2 For additional storage the vendor must submit a certificate that the vendor will provide Rackmount Network-attached storage (NAS) with at least 100 terabyte (TB) usable capacity and will connect it to the existing server/picture archive communication system of the Non- Invasive Division</p>
Page 41	<p>1.6.3 Must submit a certificate in the event that there is an update on the existing software, the vendor shall provide it with no additional cost during the lifespan of the equipment.</p>	<p>1.6.3 Must submit a certificate in the event that there is an update on the existing software of the echo machine, the vendor shall provide it with no additional cost during the lifespan of the equipment.</p>
ITB Clause 5.3 Page 24	<p>5.3 For this purpose, contracts similar to the Project shall be</p> <p>a. High End Echo Machine. b. completed within the past 2 years prior to the deadline for the submission and receipt of bids.</p>	<p>5.3 For this purpose, contracts similar to the Project shall be</p> <p>a. High End Echo Machine or Ultrasound machine b. completed within the past 2 years prior to the deadline for the submission and receipt of bids.</p>

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.

Please be guided accordingly.

Approved. Done this 19th day of May 2023, BAC Office, PHC.


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