



Republic of the Philippines
DEPARTMENT OF HEALTH
PHILIPPINE CHILDREN'S MEDICAL CENTER

Quezon Avenue, Quezon City 1100
website: www.pcmc.gov.ph email: officeofthedirector@pcmc.gov.ph
Trunkline: 588-9900 DirectLine: 924-0836 Fax No: 924-0840

INVITATION TO BID

VARIOUS MEDICAL EQUIPMENT

1. The **Philippine Children's Medical Center (PCMC)** intends to apply the sum of **Thirty-Five Million Thirty-Eight Thousand Nine Hundred Thirty-Six Pesos (Php 35,038,936.00)** being the Approved Budget for the Contract (ABC) to payments under the following Invitation to Bid. Bids received in excess of the ABC shall be automatically rejected at bid opening.

Source of Funding	IB No.	Qty	Unit	Item Description	ABC per Unit	Total ABC	Cost of Bidding Documents
HFEP CY 2019	IB-2020-130	1	unit	Low Temperature Plasma Sterilizer	5,000,000.00	5,000,000.00	10,000.00
HFEP CY 2020	IB-2020-131	1	unit	Electrical Safety Analyzer	1,350,000.00	1,350,000.00	5,000.00
GAA CY 2019	IB-2020-132	1	unit	Portable Touch Screen Cardiac Monitor	1,300,000.00	1,300,000.00	5,000.00
HFEP CY 2019	IB-2020-133	1	unit	Biological Refrigerator	587,000.00	587,000.00	1,000.00
HFEP CY 2020	IB-2020-134	1	unit	Laminar Flow Cabinet	411,936.00	411,936.00	500.00
HFEP CY 2020	IB-2020-135	1	unit	Pharmaceutical Refrigerator	760,000.00	760,000.00	1,000.00
HFEP CY 2020	IB-2020-139	1	unit	Ultrasound Machine (High-End)	12,000,000.00	12,000,000.00	25,000.00
HFEP CY 2020	IB-2020-140	1	unit	Ultrasound Premium Portable Machine	3,000,000.00	3,000,000.00	5,000.00
HFEP CY 2020	IB-2020-141	1	unit	Portable Xray Machine DR	9,880,000.00	9,880,000.00	10,000.00
HFEP CY 2019	IB-2020-142	2	unit	Fetal Monitor	375,000.00	750,000.00	1,000.00

2. The **Philippine Children's Medical Center (PCMC)** now invites bids for the above-mentioned project. Delivery of the Goods is required **within Sixty (60) to Ninety (90) calendar days**. Bidders should have completed, within the **past two (2) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a nondiscretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".
- a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock

belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from PCMC and inspect the Bidding Documents at the address given below during office hours.
5. A complete set of Bidding Documents may be acquired by interested Bidders **starting November 5, 2020** upon payment of the applicable fee stated above. It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of PCMC, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.
6. The Philippine Children's Medical Center will hold a Pre-Bid Conference on **November 13, 2020 at 2:00 P.M.** through video conferencing via *google meet* which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission on or before **November 25, 2020, 9:30 A.M., Guard-on-Duty, 3rd Floor, Procurement Division Area, PCMC Main Building.** Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
9. Bid opening shall be on **November 25, 2020, 10:00 A.M. 3rd Floor, Function Hall, PCMC Main Building.** Bids will be opened in the presence of the Bidders' representatives who choose to attend at the afore-mentioned venue. In compliance to social distancing and to support the government's effort to mitigate, if not contain the transmission of COVID-19, we will strictly allow only one authorized representative per bidder company to enter the venue during opening of bids. Provided further, that said authorized representative shall wear PPE and shall pass the triage areas as required prior entering PCMC Premises.
10. The **Philippine Children's Medical Center (PCMC)** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

PCMC BAC Secretariat
3rd Floor, Procurement Division
PCMC Main Building
Quezon Avenue, cor. Agham Road Quezon City
Trunkline : 8588-9900 local 361 / 355
Fax Number: 8924-0870
Email : pcmcbac@gmail.com

12. You may visit the following websites:

For downloading of Bidding Document : www.pcmc.gov.ph
www.philgeps.gov.ph

October 30, 2020


MARIA ROSARIO S. CRUZ, MD
Chairman, Bids & Awards Committee

PHILIPPINE CHILDREN'S MEDICAL CENTER
Quezon Avenue, Quezon City

TECHNICAL SPECIFICATIONS

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
1	unit	Ultrasound Machine (High End)	
		I. Specifications:	
		A. Main Equipment	
		1 Radiology ultrasound model and system should be top of the line	
		2 System should be capable of multi-line signal, massive parallel image processing with latest software receive beamformer and technology	
		3 The system should be a shared service ultrasound system, built with multi-disciplinary applications and also equipped with the following key technologies:	
		a. Up to 40 cm display depth	
		b. 2D Shear wave elastography for use in abdominal studies as well as for breast and thyroid. Shear wave studies allows for both quantitative and qualitative assessment of tissue stiffness and elasticity.	
		c. Fusion imaging capability	
		d. Advanced needle visualization with needle trajectory display	
		4 The ultrasound machine should be compact and weigh no more than 135 kgs without peripherals.	
		5 Must be FDA and CE approved. Submit both certificates.	
		6 The unit will be operated at 230 volts 3-pin power plug/cable, strictly at 60 hertz	
		7 With built-in battery back-up	
		8 No separate volt conversion	
		9 Power consumption (<i>must be clearly stipulated</i>)	
		10 Mechanical parts should be of heavy-duty type	
		11 Equipment should be maintainable and serviceable	
		B. Ultrasound System Structure	
		LED Display	
		1 Display Size: at least 21" or better inch high resolution color LED monitor	
		2 Monitor Resolution: At least Full HD 1920 x 1080 Resolution	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		3 Must be capable of folding down for transport	
		Electronic Floating Control Panel	
		1 Left/Right swivel: At least $\pm 45^\circ$ or better	
		2 Height range: at least 53" up to 67"	
		3 Additional movement: Must have adjustable arms for 180° Panel rotation	
		4 Emergency Central Brake and Swivel Lock	
		Control Panel	
		1 Display Size: At least 12-15"	
		2 Aspect Ratio: Must be 16 : 9	
		3 Tilt Angle: at least 30° up to 50°	
		Ergonomic	
		1 Up to 6 transducer cup holder supports both probe and gel bottle	
		2 Connectors: Must be compact-pinless	
		3 Must have an integral gel warmer with temperature control	
		4 Audio speaker must be integrated with the control panel	
		Data Storage and Transfer	
		1 System should have a separate CPU and image processor (GPU)	
		2 DICOM Compatibility: DICOM 3.0 Standard (DICOM should be compatibility and connectivity with existing PACS system)	
		3 Hard Drive: at least (120G SSD & 1TB HDD) - SSD for the program and HDD for the DICOM data	
		4 USB Ports: Must have at least 2-5 USB port for importing and exporting protocols and exams, archiving and serviceability	
		Transducer Management	
		1 Active ports: 4 active ports, 1 parking lot	
		2 Connectors: Must be compact-pinless	
		Transducers	
		1 Curved/Convex transducer	
		Frequency Bandwith: at least 1.0 MHz up to 6.0 MHz, Biopsy needle guide attachments	
		FOV: at least 50 to 80 degrees	
		Maximum depth: at least 300 mm to 400 mm or 30cm to 40cm	
		Should support shear wave elastography, contrast and fusion imaging	
		2 Linear Transducer	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		Frequency Bandwidth: at least 4.0 to 14.0 MHz	
		FOV: at least 38mm to 60mm	
		Should support shear wave elastography, contrast and fusion imaging	
	3	Sector transducer	
		(Application: cranial and abdomen)	
		Frequency Bandwidth: at least 3.0 MHz up to 11.0 MHz	
		FOV: 90 degrees	
	4	Linear Transducer (pedia)	
		Application : MSK, Nerve, Small Parts, Vascular	
		Bandwidth : at least 7.6 MHz - 20.0 MHz within the range	
		FOV: at least 28.6 mm	
		Fusion imaging	
	1	Should be able to align reference data with real-time ultrasound image for diagnosis and interventional procedure.	
	2	Reference data shall be computed tomography and magnetic resonance imaging	
		Contrast Agent Imaging	
	1	Techniques: Burst and flash sequencing	
		Color and Power Mode	
	1	Transmit FrequenciesL up to 4 settings	
	2	Power Map Selections: up to 5 settings	
		Harmonic Imaging	
	1	Should be available for all imaging transducers	
		Automatic Tissue Equalization	
	1	Should be able to optimize the overall field of view imaging brightness uniformity by changing the depth gain compensation and over again.	
	2	Should support 2D-mode	
		Needle Visualization Enhancement	
		Artifact Reduction Technology	
	1	Should be able to decrease artifacts in 2D-mode image resulting in an improved view of anatomical structures.	
		Panoramic Imaging	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		1 Should be able to perform Color Panoramic imaging through combination of real-time panorama image and real-time power mode acquisition	
		2 2D Shearwave Elastography:	
		Applications: Breast, Thyroid, MSK & Liver (Must be applicable on both Convex and Linear Transducers)	
		a. Colorized 2D Image	
		b. Comprehensive Elasticity metrics(Cs: Shear Wave Velocity E: Young's Modulus G: Shear Modulus)	
		c. Real Time	
		d. Identify the Vascular, Viscous tissue, Bad contact of transducer and weak penetration	
		3 Point Shearwave Elastography:	
		(Must be applicable on both Convex and Linear Transducers):	
		a. Elastography metric(E, G, Cs)	
		b. Adjustable ROI with flexible sizes up to 10 levels	
		c. Quantification Tools: Mean, Max, SD, Depth	
		4 Strain Shearwave Elastography :	
		(Applicable on linear transducers)	
		a. Unique Shell Analysis Function	
		b. Stress compensation technology reduces deeper tissue artifacts, obtain more uniform stress throughout the whole field.	
		Imaging Parameters	
		1 2D Mode	
		2 Cine Capture: up to 300 seconds	
		Other Specifications: (please indicate if applicable)	
		BRAND:	
		MAKE/MODEL:	
		II. Accessories Per Unit	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		1 One (1) UPS (at least 3 hours standby power with trolley/drawer and caster lock) (compatible to the equipment power requirement) and proper grounding when needed	
		Brand:	
		Model:	
		2 Biopsy needle guide attachments	
		3 At least two (2) 32 GB USB for exporting images	
		III. Consumables Per Unit	
		1 At least 5 rolls thermal paper for printing	
		2 B/W digital terminal thermal printer	
		3 At least 3 Gallons of ultrasonic gel	
		4 At least 5 bottles of transeptic probe cleaner	
		IV. Warranty:	
		➤ With at least three (3) years warranty on services, parts and accessories	
		➤ With quarterly preventive maintenance and calibration	

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TECHNICAL SPECIFICATIONS

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
1	unit	Ultrasound Premium Portable Machine	
		I. Specifications:	
		A. Main Equipment	
		1 At least 15 inches high resolution LED monitor	
		2 Resolution: At least 1920 x 1080 or Higher	
		3 Approximately 5 kg-7kg weight (with batteries/accessories)	
		4 One (1) pencil probe port connected to a transducer with Probe extend module to provide 3 probe ports	
		5 Programmable keys for user defined functions	
		6 8-segment TGC control	
		Battery	
		7 Built-in Battery: at least 90 minutes or Higher when continuously used	
		8 Full battery lasts more than 24 hours when in standby mode	
		Mobile Cart	
		9 Material Type: Magnesium Alloy with locking wheel	
		10 Gel warmer and probe holder: At least 5 holder	
		11 Height Adjustment: Up to 25cm	
		12 Maximum weight with peripherals: At least 40kg	
		Others	
		13 The unit will be operated at 230 volts 3-pin power plug/cable, strictly at 60 hertz	
		14 No separate volt conversion	
		15 Power consumption (<i>must be clearly stipulated</i>)	
		16 Mechanical parts should be of heavy-duty type	
		17 Equipment should be maintainable and serviceable	
		B. Imaging Modes	
		1 B-Mode	
		2 Tissue harmonic imaging	
		3 M-Mode/Color M-Mode	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		4 Anatomical M-Mode	
		5 Curved Anatomical M-Mode	
		6 Color Doppler Imagig	
		7 Power Doppler Imaging	
		8 Pulsed Wave Doppler	
		9 Continuous Wave Doppler	
		10 Panoramic Imaging	
		C. Data Storage and Transfer	
		1 DICOM Compatibility: DICOM 3.0 Standard (DICOM should be compatibility and connectivity with existing PACS system)	
		2 Hard Drive:	
		At least 240G SSD (Solid-State Drive) or Higher	
		Boot-up Time: > 30 seconds	
		Boot up from Standby: > 10 seconds	
		D. Transducers	
		Curvilinear Transducer	
		1 1.4 - 5.0 MHZ	
		2 FOV: at least 61 degrees	
		3 Depth: at least 40 cm	
		Linear Transducer	
		1 2.7-10.5 MHz	
		2 FOV: at least 34 mm	
		3 Depth: at least 35 cm	
		E. Applications/Software	
		1 Total Recall Imaging for Multi Modal post processing capabilities on archived images such as measuements and calculations	
		2 Needle Visualization Enhancement	
		3 Real-Time Panoramic Imagine	
		F. Imaging Features	
		1 High Resolution Color Doppler Imaging	
		2 Spatial Compound Imaging	
		3 Auto Optimizzation Button	
		4 Trapezoid Imaging and Extended Field of view	
		5 Speckle suppression imaging	
		6 Supports measurements and calculations on archived exams and images	
		7 Workstation dedicated for patient exam management	
		Other Specifications: (please indicate if applicable)	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		BRAND:	
		MAKE/MODEL:	
		II. Accessories Per Unit	
		1 One (1) UPS (at least 3 hours standby power with trolley and caster lock) (compatible to the equipment power requirement) and proper grounding when needed	
		Brand:	
		Model:	
		2 Must have three (3) active extended probe ports	
		3 Must have one (1) mobile trolley with drawer and one (1) Hard Case Luggage Bag	
		4 At least two (2) 32 GB USB for exporting images	
		III. Consumables Per Unit	
		1 At least 5 rolls thermal paper for printing	
		2 B/W digital terminal thermal printer	
		3 At least 3 Gallons of ultrasonic gel	
		4 At least 5 bottles of transeptic probe cleaner	
		IV. Warranty:	
		➤ With at least three (3) years warranty on services, parts and accessories	
		➤ With quarterly preventive maintenance and calibration	

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TECHNICAL SPECIFICATIONS

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
1	unit	Portable Xray Machine DR	
		I. Specifications:	
		A. Main Equipment	
		1 System should be top of the line latest available Portable X-Ray Model	
		2 Motorized driven	
		3 The unit can be moved manually and examinations can be performed with mains power even when system batteries are depleted	
		4 Should have an antimicrobial coating for infection prevention and control	
		5 Articulating counter balanced arm or pantographic arm design which can be rotated to $\pm 90^{\circ}$ - 360° and allows easy adjustment for all the different projections	
		6 Should be a rotating anode type	
		7 With rechargeable system battery	
		8 Should have two (2) wireless flat detector measuring at least 35cm x43cm with integrated handle for safe handling	
		9 Should include a lightweight detachable grid	
		10 With integrated color touch screen monitor	
		11 Exposure switch attached with a cord	
		12 With built-in automatic cable winder	
		13 Remote - controlled LED collimator light	
		14 Should have an emergency brake release when system battery is depleted to allow the mobile x-ray to be transported to a nearest accessible power outlet.	
		15 Tube arm is protected and covered and with no visible cables leading to the x-ray tube housing to preserve sterility of the area, easy disinfection and to avoid interfering with other medical devices.	
		16 Easy access to touchscreen monitor at any time without the need to get the x-ray tube out of the way from its "parked" position	
		17 System can be locked without requiring a shutdown	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		18 Exposure release should be via control connected with a coiled cord at least 5 meters.	
		19 Capable of analog mode exposure for CR or screen-film cassettes	
		20 System length: not more than 130cm	
		21 System width: not more than 60cm	
		22 System height: not more than 185cm	
		23 Maximum SID not less than 210cm	
		24 Maximum arm extension not less than 120cm	
		25 Should not weigh more than 550 kg	
		26 The unit will be operated at 230 volts 3-pin power plug/cable, strictly at 60 hertz	
		27 No separate volt conversion	
		28 Power consumption (<i>must be clearly stipulated</i>)	
		29 Mechanical parts should be of heavy-duty type	
		30 Equipment should be maintainable and serviceable	
		B. Xray Generator	
		1 Generator power is at least 30kW or higher	
		2 kV setting: 40kV-133kV	
		3 Max. mAs setting: 0.30mAs - 630mAs	
		4 mA should not be lower than 300mA	
		5 Maximum exposure time should not be longer than 0.001 - 6.3 seconds	
		6 Software monitoring generator and tube load	
		C. Xray Tube	
		1 Single tank with rotating anode tube	
		2 Dual focus at least measuring 0.6mm - 1.2mm	
		3 A node heat capacity of not less than 1,000 HU	
		4 Tube house heat capacity of at least 1,000 HU	
		5 Manually adjustable collimator	
		6 With total filtration of at least $\geq 3.5\text{mm Al}$ or equivalent	
		7 LED collimator light	
		8 With integrated dose area product measurement system which allows automatic transfer of the dose value measured to the imaging system	
		D. Wireless Flat Detector	
		1 With cordless handle	
		2 Amorphous silicon type	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		3 At least 2350 x 2866 active matrix or higher	
		4 At least 125µm pixel or higher	
		5 at least 16 bit	
		6 Total thickness (including case) of not more than 20mm	
		7 Total weight should not be more than 3.5kg	
		8 DICOM image transfer connectivity should be compatible with existing hospital PACS via LAN or ethernet capable	
		9 Not lower than 10hr on stand-by mode	
		10 Attachable light weight grid of at least 5:1 grid ratio	
		11 Not more than 5 seconds to display the full image	
		E. Acquisition Monitor and Control	
		1 Emergency patient registration	
		2 Patient, study and image data administration	
		3 The exposure parameters are selected via the organ/anatomical programs	
		4 PIN code access to imaging computer system	
		5 Display of image laterality and position/projection labels	
		6 Image Rotation, vertical and horizontal image and flip zooming capability	
		7 Windowing for contrast/brightness	
		8 Black/white image inversion	
		9 At least 17"-19" integrated color flat display with touch screen operation	
		10 Windows 10 OS	
		11 The image capacity of at least 10,000 images or higher	
		12 DICOM Send /StC	
		13 DICOM Print	
		14 Cyber security user management	
		F. Operating and System Battery	
		1 With built-in battery back-up	
		2 Grounded safety power socket and battery-powered	
		3 Battery display	
		4 With an approx. exposure of 200 or more exposure during battery utilization	
		5 Standby time of 12 to 48 hours	
		Other Specifications: (please indicate if applicable)	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		BRAND:	
		MAKE/MODEL:	
		II. Accessories Per Unit	
		1 AVR with surge suppressor (compatible to the equipment power requirement) and proper grounding when needed	
		Brand:	
		Make/Model:	
		Note: Supply of Materials and Labor for dedicated electrical power line to charging station (when needed) will be by supplier	
		2 One (1) unit Desktop Computer with UPS with license software for work station	
		Brand:	
		Make/Model:	
		III. Consumables Per Unit	
		1 Two (2) pieces Lead Gown	
		2 Two (2) pieces Thyroid Shield	
		3 Four (4) pieces Eyeshield	
		IV. Warranty:	
		➤ With at least three (3) years on services, parts (including tube and detector) and accessories	
		➤ With quarterly preventive maintenance and calibration	

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TECHNICAL SPECIFICATIONS

PCMC REQUIREMENT		BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	
2	units	Fetal Monitor
		A. Specifications:
		➤ At least 12" TFT foldable color screen, resolution at least 800 x 600
		➤ Compact and portable design
		➤ Has probe rack for easy positioning of transducers
		➤ Weigh approximately 6-7kgs
		➤ Auto fetal movement, auto detect ECG falls off, HR measurement range : 330-240bpm
		➤ Numeric and waveform display of FHR and TOCO
		➤ Ultrasound Pulse Doppler with autocorrection, FHR measurement range: 50bpm - 240bpm
		➤ Easy to use menu system ensures fast access to important functions
		➤ Signals Overlap Verification to differentiate twins FHR
		➤ Built-in heavy duty printer, real-time printing speed
		➤ Peak-peak detection technique, DFHR measurement range : 30bpm - 240 bpm TOCO measurement range : 0-100 relative (%), Pressure measurement range : 0-100mmHg
		➤ Temperature measurement range: 0-50 degrees Celcius, SPO2 measurement range: 50-100%
		➤ With rechargeable Lithium-ion battery, continuous working time of 2-4 hours
		➤ The unit will be operated at 230 volts, strictly at 60 hertz
		➤ No separate voltage conversion
		➤ Power consumption must be clearly stipulated
➤ Mechanical part should be of heavy-duty type		

PCMC REQUIREMENT		BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description
		➤ Equipment should be maintainable
		Other Specifications: <i>(please indicate if applicable)</i>
		BRAND:
		MAKE/MODEL:
		B. Accessories per unit
1		Uninterruptible Power Supply (UPS) per unit of Fetal Monitor <i>(compatible to the equipment power requirement) and proper grounding when needed</i>
2		2 pieces Ultrasound transducer
3		TOCO Transducer
4		Even marker
		C. Consumables to be provided per unit
1		Fetal monitor paper
2		ECG Electrodes
2		Ultrasound Gel
		D. Warranty
		➤ At least two (2) years warranty for parts and services including accessories
		➤ Quarterly preventive maintenance

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