



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	Low Temperature Plasma Sterilizer	
		A. Specifications:	
		1 Heavy duty chamber made of stainless steel	
		Overall dimension: 750mm x 1650mm x 850mm	
		2 Total chamber volume of at least 80 liters and can accommodate long and flexible instruments, plastic, rubber and cables	
		3 One sterilization cycle only to accommodate all types of instruments all at the same time, save sterilant, time and manpower cost with minimum cycle time of 35 to 40 minutes	
		4 Can sterilize soft lumen instruments (at least 1mm bore size; as long as 10m) and rigid lumen instruments (at least 1mm diameter bore size; as long as 50cm) with proven study data	
		5 Uses hydrogen peroxide as sterilant agent with at least 20 cycle tests per bottle	
		6 Cycle temperature: 50 - 55 °C	
		7 No aeration needed after sterilization, safe to both end-users and the environment	
		8 Principle employed: High voltage with dry run time, not sensitive to humid materials, no wastage of sterilant during cancellation/error	
		9 Windows embedded operating system and remote monitoring system (optional) for less maintenance cost and less down time	
		10 With at least 6" TFT touch screen monitor and audible/visual alarm	
		11 With auto self-test function for easy maintenance /monitoring of the machine	
		12 With built-in printer and memory storage for every cycle done up to 60,000 MB	
		13 Machine must be movable, with caster wheels and lock, with weight of not more than 450kg	
		14 The unit will be operated at 230 volts 3-pin power plug/cable, strictly at 60 hertz	
		15 With built-in battery back-up	
		16 No separate volt conversion	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		17 Indicate Power Consumption	
		18 Mechanical parts should be of heavy-duty type	
		19 Equipment should be maintainable and serviceable	
Other Specifications: (please indicate if applicable)			
		BRAND:	
		MAKE/MODEL:	
		B. Accessories Per Unit	
		1 AVR with surge protector (compatible to the equipment power requirement) and proper grounding when needed	
		2 Plasma sterilizer pouch sealer	
		3 Two (2) sterilization tray/basket	
		4 Biological indicator machine	
		C. Consumables Per Unit	
		1 Two (2) rolls pouch per size	
		2 Three (3) bottles sterilant	
		3 One (1) box/pack biological indicator	
		4 One (1) box thermal paper	
		5 One (1) roll CI tape	
		6 One (1) pack CI strips	
		D. Warranty:	
		➤ With at least two (2) years warranty on services, parts and accessories	
		➤ With quarterly preventive maintenance and calibration	

PCMC has the right to reject any or all bids without offering any reason, waive any required formality and award the contract to any bidder whose proposals as evaluated by PCMC is the most advantageous to the government.

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TECHNICAL SPECIFICATIONS

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
1	unit	Heavy Duty Electrical Safety Analyzer	
		A. Specifications:	
		1 Portable and handheld	
		2 With software	
		3 On board automation	
		5 ECG waveform test and dual-lead measurements combine the functionality of a simulator/ multi-meter and safety analyzer in a single test tool	
		6 Wireless communication and removable memory card for fast and convenient data storage	
		7 Memory capacity of at least 512MB	
		8 The unit will be operated at 230 volts 3-pin power plug/cable, strictly at 60 hertz	
		9 With built-in battery back-up	
		10 No separate volt conversion	
		11 Power consumption <i>(must be clearly stipulated)</i>	
		12 Mechanical parts should be of heavy-duty type	
		13 Equipment should be maintainable and serviceable	
		Other Specifications: <i>(please indicate if applicable)</i>	
		BRAND:	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		MAKE/MODEL:	
		B. Warranty:	
		➤ With at least two (2) years on services, parts and accessories	
		➤ With quarterly preventive maintenance and calibration	

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PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
1	unit	Portable Touch Screen Cardiac Monitor	
		A. Specifications:	
	1	Portable touch screen cardiac monitor with transducer cables for non-invasive and invasive monitoring of vital signs and intravascular pressures that can be mounted on top of anesthesia machine for intra-operative use in the operating room, transported with trolley stand and can be wall mounted for post-operative use in the surgical intensive care unit	
	2	Patient Compatibility:	
		Suitable for neonates, pediatrics and adults	
	4	Modes:	
		Optional parameters configuration	
	6	Features:	
		Configurable data system integrated with the following -	
		<ul style="list-style-type: none"> • at least 5 leads ECG I, II, III, aVR, aVL, aVF, and V including ST analysis and sweep speed 	
		<ul style="list-style-type: none"> • wide ranges of heart rate, respiratory rate range, respiratory SpO2, temperature and pressure readings (with MAP) 	
		<ul style="list-style-type: none"> • arrhythmia analysis and pacing recognition 	
		<ul style="list-style-type: none"> • non-invasive blood pressure (with MAP) measurable manually, automatically and stat 	
		<ul style="list-style-type: none"> • up to 4 channels of invasive blood pressure monitoring; ART, ABP, CVP, PAP where at least 3 waves can be simultaneously displayed 	
		<ul style="list-style-type: none"> • uses high medical grade technology for SpO2 monitoring 	
		<ul style="list-style-type: none"> • ET-CO2 measurement and monitoring with sidestream CO2 sensor for intubated and non-intubated patients 	
		<ul style="list-style-type: none"> • CO and PCWP measurement 	
		<ul style="list-style-type: none"> • airway modules for complete respiratory monitoring with gas exchange measurement 	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		<ul style="list-style-type: none"> parameters can assess adequacy of anesthesia intra-operatively and patient's readiness for ventilator weaning in the ICU 	
		4 Display Monitor:	
		<ul style="list-style-type: none"> large touch screen at least 19 inches with color LCD display 	
		<ul style="list-style-type: none"> large font display for a clear view of all vital signs from a distance 	
		<ul style="list-style-type: none"> basically touch screen operation with few buttons only for basic home, menu, alarm and print 	
		<ul style="list-style-type: none"> at least 8 waveforms graphical and numerical display including simultaneous display of at least two (2) 	
		<ul style="list-style-type: none"> at least 48 hours full disclosure, with tabular and graphics trends including arrhythmia recall and pressure recording events and printable 	
		<ul style="list-style-type: none"> option for slave monitoring or secondary monitor 	
		5 Other Features:	
		a. Alarm	
		<ul style="list-style-type: none"> visible alarm light from 360 degrees 	
		<ul style="list-style-type: none"> audible alarm sound with adjustable loudness 	
		b. Standard	
		<ul style="list-style-type: none"> integral 3-trace thermal recorder providing waveform and data reports for diagnostic support 	
		<ul style="list-style-type: none"> printer with standard thermal paper 	
		6 Dimensions:	
		<ul style="list-style-type: none"> compact <10kgs 	
		7 Mobility:	
		<ul style="list-style-type: none"> convenient for transport with trolley with basket and wall mount 	
		8 Interface:	
		<ul style="list-style-type: none"> upgradable applications with latest software in one unit or multiple units simultaneously through a standard data port 	
		<ul style="list-style-type: none"> USB port allows for software upgrade 	
		<ul style="list-style-type: none"> with LAN and wireless capability enabling communication with compatible central monitoring system both from bedside and during transport 	
		9 The unit will be operated at 230 volts, strictly at 60 hertz	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		10	Rechargeable internal battery pack that is safe with at least 1.5 hours continuous monitoring
		11	No separate volt conversion
		12	Power consumption: 140-160W
		13	Mechanical parts should be of heavy-duty type
		14	Equipment should be maintainable and serviceable
Other Specifications: (please indicate if applicable)			
			BRAND:
			MAKE/MODEL:
			B. Accessories Per Unit
		1	Wall mount and sturdy trolley stand with brake
		2	3/5-electrode ECG and wires
		3	Connectors:
			• 1 AC power connector
			• 1 data port network connector
			• 1 USB connector
			• 1 DVI or display port connector
			• dedicated single output connectors or multifunctional output connectors to simultaneously display eight (8) minimum parameters: heart rate, respiratory rate, SpO2, ETCO2, temperature, NIBP, at least 2 invasive pressure readings (CVP and IBP)
			• Connector cables for: NIBP #1, invasive pressures #3, ECG #1, pulse oximeter #1, temperature probe #1, ETCO2 #1, CO #1
		4	Remote power on control input for anesthesia machine integration
		5	Sidestream CO2 sensor kits and airway adapter for adult/pedia (1 set) and neonate (1 set)
		6	Thermal printer
		7	Battery pack

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		8 Compatible transducers must be universal or at least readily and locally available/sourced anytime	
		C. Consumables	
		1 Air hose tubing for NIBP	
		2 Reusable BP cuff of different sizes preferably the following: size 3 (1 pc), size 4 (1 pc), size 6 (1 pc), size 9 (1 pc), size 10 (1 pc), size 13 (1 pc), size 16 (1 pc)	
		3 Reusable waterproof, shock-proof pulse oximeter finger clip sensors (at least 1 pc adult and 1 pc pedia)	
		4 Reusable temperature skin probe (1 pc for adult and 1 pc for pedia/neonate)	
		5 Reusable temperature rectal/nasal probe (1 pc for adult and 1 pc for pedia/neonate)	
		6 CO sensor	
		7 Disposable bandage sensor for neonates/pedia (at least 2 pcs)	
		8 Five (5) rolls thermal paper	
		9 Electrodes for neonates/pedia (100 pcs)	
		10 Cleaning fluid/wipes	
		11 USB 32GB (1 pc)	
		D. Warranty:	
		➤ With at least two (2) years international 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	Biological Refrigerator	
		A. Specifications:	
		1 Capacity : 1300 to 1500 Liters	
		2 Temperature Range: +2 °C to +14 °C	
		3 Microprocessor control panel	
		4 With temperature digital screen display	
		5 Alarm system (visible & audible)	
		6 2-door, double panel glass and safety lock and handle	
		7 Shelves: 8 to 10 Shelves/drawers, Adjustable with load capacity of 40 to 50kg per shelf/drawer	
		8 Heavy Duty type compressor, with caster wheel	
		9 With LED light	
		10 The unit will be operated at 230 volts 3-pin power plug/cable, strictly at 60 hertz	
		11 No separate volt conversion	
		12 Power consumption: 4.0 – 10.0 kW / 24 hours	
		13 Mechanical parts should be of heavy-duty type	
		14 Equipment should be maintainable and serviceable	
		Other Specifications: (please indicate if applicable)	
		BRAND:	
		MAKE/MODEL:	
		B. Accessories per unit	
		1 One (1) unit 3KVA UPS (compatible to the equipment power requirement) and proper grounding when needed	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		Brand:	
		Model:	
		C. Warranty:	
		➤ With at least three (3) years on services, parts and accessories	
		➤ With at least five (5) years on Compressor	
		➤ With quarterly preventive maintenance and calibration	

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PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
1	lot	Laminar Flow Cabinet	
		A. Specifications:	
		1 Horizontal type Laminar Flow	
		2 With LED indicator	
		3 External Dimensions: Width 840 - 1300mm; Depth 750 - 900mm; Height 1105 - 2000mm	
		4 Main Body Material: electro-galvanized steel with white epoxy-polyester antimicrobial powder-coated finish	
		5 Work Zone: stainless steel, abrasion and corrosion resistant	
		6 Side walls: UV absorbent tempered glass, colorless and transparent	
		7 ULPA Filter system with efficiency of > 99.99% at 0.1 - 0.3 microns (efficiency certificate must be provided)	
		8 LCD display	
		9 Audible and visual alarm	
		10 Average of 0.3 - 0.5m/s airflow velocity	
		11 Noise emission less than 60 dBA	
		12 Light intensity not less than 500 lux	
		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: 140-160W	
		16 Mechanical parts should be of heavy-duty type	
		17 Equipment should be maintainable and serviceable	
		Other Specifications: (please indicate if applicable)	
		BRAND:	
		MAKE/MODEL:	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		B. Accessories Per Unit	
		1 AVR with surge suppressor (compatible to the equipment power requirement) and proper grounding when needed	
		Brand:	
		Make/Model:	
		2 Support stand with leveling feet and caster wheels	
		3 Stainless steel IV Bar	
		4 Stainless steel Armrest	
		5 Footrest	
		6 Ergonomic laboratory chair	
		7 Front cover	
		C. Consumables Per Unit	
		1 Two (2) UV Lamp	
		2 One (1) Flourescent lamp	
		3 Two (2) polyester fiber pre-filter	
		4 One (1) ULPA filter	
		D. Warranty:	
		➤ With at least two (2) years on services, parts and accessories	
		➤ With quarterly preventive maintenance and calibration	

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PCMC REQUIREMENT		Item Description	BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT		
1	unit	Pharmaceutical Refrigerator	
		A. Specifications:	
		1 Two (2) doors, double pane glass doors, self-closing	
		Capacity: 40 -48 cu. ft.	
		Temperature: 2 °C to 25 °C	
		External Dimensions (<i>at least</i>):	
		Width: 1,400mm	
		Depth: 800mm	
		Height: 1,900mm	
		2 At least ten (10) coated steel adjustable drawer type shelves	
		3 With alarm and safety features	
		4 With caster wheels	
		5 Completely automatic defrosting	
		6 Galvanized steel exterior material	
		7 Stainless/Galvanized steel interior walls	
		8 Microprocessor temperature control with LED display	
		9 CFC-free Refrigerant	
		10 Internal lighting w/ automatic activation upon opening the doors	
		11 Alarm for high/low temperature and door ajar	
		12 Insulation: thick polyurethane	
		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: 4.0 – 10.0 kW / 24 hours	
		16 Mechanical parts should be of heavy-duty type	
		17 Equipment should be maintainable and serviceable	

PCMC REQUIREMENT			BIDDER'S OFFER TO COMPLY WITH THE REQUIREMENTS
QTY	UNIT	Item Description	
		Other Specifications: (please indicate if applicable)	
		BRAND:	
		MAKE/MODEL:	
		B. Accessories per unit	
		1	One (1) unit AVR (compatible to the equipment power requirement) and proper grounding when needed
			Brand:
			Model:
		C. Consumables per unit	
		1	One (1) fluorescent lamp
		D. Warranty:	
		➤	With at least two (2) years on services, parts and accessories
		➤	With quarterly preventive maintenance and calibration

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