REPUBLIC OF THE PHILIPPINES
Department of Health
NATIONAL CENTER FOR MENTAL HEALTH
Nueve de Febrero Street, Mandaluyong City, Philippines
BIDS AND AWARDS COMMITTEE
Telephone No. 531-9001 loc. 242 Telefax No. 5318318 E-mail: bac@ncmh.gov.ph Website: www.ncmh.gov.ph

SECTION VII
Technical Specifications

ITB No. 026-2022

INSTRUCTION: Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
AUS22-01	**AUTOCLAVE STERILIZER**	
	Specifications:	
	1. Power Supply Voltage: At least 127V – 230V	
	2. Frequency: 50/60 HZ	
	3. Power Consumption: At least 1400 – 1700W	
	4. Electric shock protective type: Class one equipment applied parts Type B	
	5. Mode of Operation: Continuous operation	
	6. Protection against harmful water penetration or particulate materials: IPXO	
	7. Sterilization pressure: At least 1.3 – 2.1 kg/cm2	
	8. Operation temperature: 122 C – 128 C (123 to 133 C	
	9. Sterilization Time: Can be selected at least 16 – 30 minutes	
	10. Volume: At least 16 -23 liters	
	11. Diameter of the chamber: At least 230 – 240 mm (diameter) 410 – 450 mm (dep.)	
	12. Water consumption per cycle 350 – 380 ml	
	13. Net weight / Gross weight: 30kg/33kg	
	14. Fuse of Protection: F1 – 0.5a/f2 and F3 = 20a/f4 = 10a	

	Standard Requirements	
	1. A certification that the unit being offered must be brand new and not a discontinued model.	
	2. Current and valid Certificate of Manufacturer's compliance with ISO and or CE certificate or its equivalent	
	3. Certification that the supplier has the capability for corrective and preventive maintenance of the unit.	
	4. Bidder's certificate that the parts shall be available at the authorized Philippine service center/s for a period of five (5) years after the warranty period.	
	5. Certification that the brand has been in the local market for at least five (5) years with at least 2 to 3 installations.	
	6. Certification that the supplier will be responsible for the notification, transportation to the site, delivery, installation and testing on the site (hospital/health facility) and expenses for such will be on the account of the supplier	
	7. Certification to provide users' Manual in English language:	
	a. Operational Manual – 2 copies	
	b. Service Manual – 2 copies	
	8. Certification that the supplier / bidder shall provide free installation of the equipment	
	9. Warranty Certificate: one (1) year for parts and two (2) years for service from the date of delivery, inspection and acceptance	

Conformed by:

_____

Authorized Representative's
Signature over printed name

Date: _____

REPUBLIC OF THE PHILIPPINES
Department of Health
NATIONAL CENTER FOR MENTAL HEALTH
Nueve de Febrero Street, Mandaluyong City, Philippines
BIDS AND AWARDS COMMITTEE
Telephone No. 531-9001 loc. 242 Telefax No. 5318318 E-mail: bac@ncmh.gov.ph Website: www.ncmh.gov.ph

SECTION VII
Technical Specifications

ITB No. 026-2022

INSTRUCTION: Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
UPU22-02	**ULTRASOUND MACHINE WITH PORTABLE ULTRASOUND**	
	System Standard Features	
	1. The equipment must be capable and with applications for Radiology and Obstetrics, Gynecology & Cardiology	
	2. The equipment must be console cart-type system	
	Power Supply	
	3. The equipment must have a:	
	a. Voltage: 100 - 240 VAC at 50/60 Hz;	
	b. A power rating of 650 VA max – 450 VA min	
	4. The supplier must provide an online UPS 2KVA, AVR and isolation transformer for both equipment.	
	System Architecture Design	
	5. Height with Monitor at least 1600 mm	
	6. Width at least 500 mm	
	7. Depth at least 700 mm	
	8. Weight at least 50 kg (without peripherals)	

	9. Four (4) active transducer ports	
	10. Four (4) swivel and lockable caster wheels	
	11. Integrated image storage at least 500 GB	
	12. Integrated Digital B/W thermal printer	
	13. The system shall have at least 5 built-in Probe holders	
	14. At least two external USB port	
	15. The system shall have a built-in Gel Holder and warmer	
	16. User Interface Operator keyboard	
	Main Monitor	
	17. At least Flat Panel Display , 21.5inch widescreen (LED/LCD) color with:	
	a. Brightness and contrast adjustment	
	b. Tilt/Rotate/Pan	
	c. Rotate, swivel and lift function	
	18. High resolution monitor display: with at least 1920 x 1080 pixels resolution	
	Control Panel	
	19. at least 10 inch touch screen panel	
	20. at least with a 1024 x 800 resolution (Control Panel)	
	Scanning Parameters	
	21. Imaging frequency range from 2 to 16 MHz or wider range (probe dependent)	
	22. Gray Scale at least 256 shades	
	23. Dynamic Range at least 256 dB	
	24. Maximum Frame Rate of at least 1750 fps (Hz)	
	25. Displayed imaging shall have a depth range of at 2 - 33 cm or a wider range.	
	26. Transmission Focus selection : 1 – 8 focal points	

	System Standard Features	
	27. Will continuously optimize the brightness, contrast and uniformity of images when scanning different tissues.	
	28. Image and Cineloops storage	
	29. Cine playback function	
	30. The system shall provide post-processing functions in:	
	a. B-mode	
	b. Color Doppler Mode	
	c. Pulse wave Doppler	
	d. M-mode	
	e. Continuous Wave Doppler	
	f. Power Doppler	
	g. Anatomical M-Mode	
	h. Elastography	
	i. 4D	
	31. Digital Beamforming	
	32. A speckle reduction filter or application must be available	
	33. Image raw data analysis	
	34. Post-image optimization	
	35. Real-time automatic Doppler Calculations	
	36. Cardiac Measurements	
	37. Post measurement must be available	
	38. Auto IMT	
	39. Tissue Harmonic Imaging	
	40. Comprehensive measurements, body markers, calculations and application specific reports including Vascular, Cardiac, OB/GYN and General Imaging.	
	41. On screen annotation	

	42. Digital Calipers/Measurement	
	43. Panoramic imaging or extended view	
	44. Dual Image Cine Display	
	45. Quad Image Cine Display	
	Transducers/probes:	
	46. Convex array probe with Frequency range: 2 – 5 MHz or wider range	
	47. Linear array probe; Frequency at least: 4.5 – 12 MHz	
	48. Endocavity array probe; Frequency at least: 4 – 9 MHz	
	49. Phase array; Frequency at least: 2 – 4 MHz	
	Portable Ultrasound:	
	50. Physical Specification	
	a. Console: Laptop Style with Cart	
	b. At least 1 active probe port and at least 2 extension ports	
	c. At least 4 probe holders	
	d. Integrated external UPS	
	e. Built-in printer	
	f. Gel warmer	
	51. Electrical Specification	
	a. Input: 100-240 VAC, 50/60Hz	
	b. Output: not more than 200VA	
	Console	
	52. Storage: 256 GB	
	53. Windows 10 (64 bit)	
	54. At least 4 USB ports	
	55. 1 video output HDMI port	
	56. Lithium Battery at least 60 mins scanning time	

	Trolley Cart	
	57. Height at least 950 mm, Width at least 350 mm, Depth at least 300 mm	
	58. 4 Swivel wheel cart based type	
	59. Operation Mode	
	a. 2D Mode	
	b. Color Doppler Mode	
	c. Power Doppler	
	d. M-mode	
	e. PW Doppler	
	f. CW Doppler	
	g. TDI	
	h. Anatomical M Mode	
	60. Transducers	
	a. Convex Probe Frequency range of 2 – 5 MHz or higher range	
	b. Endocavity Probe Frequency range of 4 – 9 MHz or higher range	
	c. Linear Probe Frequency range of 4.2 – 13 MHz or higher range	
	Monitor	
	61. Display: at least 15 inch High Resolution LCD Monitor	
	62. Display Size: 1924 x 768	
	63. Brightness/contrast/color temperature adjustment	
	Data Transfer	
	64. DICOM 3.0 compliant	
	65. Support digital data transfer via a DICOM network for both printing & storage.	
	66. Shall be capable of sending DICOM images to our PACS/RIS server	
	67. The system shall have a Open Modality Worklist Function to be connected to our existing PAC/RIS.	

	Standard Accessories	
	68. Ultrasound bed	
	69. Bar stool with height adjustment and footstool	
	70. At least five rolls of Thermal Papers	
	71. 3 gallon ultrasonic gel	
	72. 6 bottles of probe cleaner	
	73. Multipurpose Ultrasound Phantom	
	Inclusions	
	74. Two desktop computers with at least;	
	a. Processor: Equivalent to 11th Generation Intel Core i7	
	b. Memory: 8 GB RAM	
	c. Hard Disk: 500 GB HDD	
	d. Operating System: Windows 10 OS and license Microsoft Office	
	e. Video cards compatible to the existing PACS/RIS.	
	75. Each computer will be supplied with keyboard, mouse, 24'' LED HD monitors and 650 VA UPS	
	76. All-in-one printer with ink tank (Toner Type)	
	77. 3TR Floor Mounted Air conditioner	
	Warranty	
	78. With three (3) years warranty for parts and services with free semi-annual preventive maintenance after end user acceptance/authorized hospital personnel including all transducers. Warranty shall commence upon the acceptance of the end user. The winning bidder shall issue a certificate reflecting the duration of warranty period.	
	79. Bidder's certificate guaranteeing the availability on the supply of spare parts ten (10) years from end of production. A certification must be issued by the manufacturer for the bidder.	
	80. With quarterly preventive maintenance and calibration	
	81. Certification in case that the equipment will be for repair or maintenance within the warranty period, it should be done on-site. Otherwise, a service unit with equivalent or higher specification than the supplied machine shall be provided.	

	Standard Requirements	
	82. The supplier shall secure a certificate from the manufacturer stating that the equipment is brand new, unused and not a discontinued model or was listed in the market recall. The certificate reflect the brand, model, serial number of the machine, and the date and place it was manufactured.	
	83. The bidder must provide the current and valid certificate of Manufacturer's compliance with ISO 13485.	
	84. The supplier shall secure a certificate from the manufacturer stating that both equipment is at least of mid-range level. The certificate must be issued by the manufacturer for the bidder.	
	85. Delivery of equipment and all accessories within 90 calendar days upon receipt of Notice to Proceed (NTP).	
	86. The machine should have a US FDA Approval or CE Mark Approval. The bidder shall provide the manufaturer's approved US FDA Premarket Notification (PMN) or 510(k) certificate or CE Mark Approval certificate.	
	87. Certification that the supplier has the capability for corrective and preventive maintenance of the unit. The certificate must be issued by the manufacturer for the bidder.	
	88. Certification from the manufacturer authenticated by the Philippine consulate from the country of origin of the unit that the warranty should not be affected with a change of distributor.	
	89. Certification that the brand must be in the local market for a minimum of ten (10) years with at least 3 installations in both private and government facilities.	
	90. Certification that the bidder is existing in the local market for a minimum of ten (10) years.	
	91. Certification from the supplier will be responsible for the notification, transportation, delivery, installation, acceptance testing and commissioning and expenses for such will be on the account of the supplier.	
	92. Certification that the supplier/bidder shall provide applications training for users and maintenance personnel of the hospital.	
	93. On-house training with certificate for the End-User Familiarization of the operating procedures of the equipment	
	94. Certification to provide user's Manuals:	
	a. Two (2) sets of Service Manual in English Language upon delivery of the equipment	
	b. Two (2) sets of User Manual in English Language upon delivery of the equipment	
	95. Certification that the suppliers/bidder shall provide free installation of the equipment.	
	96. Current and Valid Certificate of Authorized or Exclusive Distributorship	
	97. The manufacturer must have a local office and service center in the Philippines for at least 10 years. Provide a certification from manufacturer.	

	98. 24/7 Technical Support.	
	99. Both equipment should be of the same brand.	
	100. A certification of good performance from at least three (3) tertiary hospital stating the name of facility, address, type of equipment and its model, and the date of delivery must be provided.	

Conformed by:

_____

Authorized Representative's
Signature over printed name

Date: _____