



Republic of the Philippines
Department of Health
Regional Office No. XI
SOUTHERN PHILIPPINES MEDICAL CENTER
J.P. Laurel Avenue, Davao City



TECHNICAL SPECIFICATIONS

ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY

(Name of Project)

Instructions:

Bidders must state in the column under **Statement of Compliance** the word 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” 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).

Bidder may submit offer which provides for superior specifications and /or better terms and conditions to the government at no extra cost. However, these shall not be given any bonus, credit or premium in the bid evaluation

Prepared by Technical Working Group

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<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Revised Procuring Entity's Specification (during Pre-bid Conference)</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u>	<p>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</p> <p>One (1) unit Premium Ultrasound Machine Capable of 4D with tomographic ultrasound imaging Capable of anatomical realism and increased depth perception Capable of advanced volume contrast imaging With speckle reduction imaging capability Capable of tissue and border differentiation with real-time spatial compounding acquisition and processing technique With advanced fetal cardiac assessment technology capability including structural and functional analysis of the heart: spatio temporal image correlation (M-mode and high quality fetal echo examination, with angiographic like display for visualization of fetal cardiovascular system and capable of arrhythmia assessment and cardiac measurements Capable of 3D Hysterosalphingo contrast sonography and elastography with analysis Capable of semi automatic measurement of the head including circumference and bi-parietal diameter, abdomen and femur Capable of semi automatic, standardized measurements of the nuchal and intracranial translucency</p>	<p>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</p> <p>One (1) unit Premium Ultrasound Machine Capable of advanced 4D with tomographic ultrasound imaging Capable of anatomical realism and increased depth Perception Capable of advanced volume contrast imaging With speckle reduction imaging capability Capable of tissue and border differentiation with real-time spatial compounding acquisition and processing technique With advanced fetal cardiac assessment technology capability including structural and functional analysis of the heart: spatio temporal image correlation (M-mode and high quality fetal echo examination, with angiographic like display for visualization of fetal cardiovascular system and capable of arrhythmia assessment and cardiac measurements</p> <p>Capable of semi automatic measurement of the head including circumference and bi-parietal diameter, abdomen and femur Capable of semi automatic, standardized measurements of the nuchal and intracranial translucency</p>		

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<p><i>(Continuation)</i></p> <p><u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u></p>	<p>Capable of automatic calculation of the number and volume of hypoechoic structures in a volume sweep</p> <p>Capable of standardized image orientation of the fetal heart by providing automatically obtained images from a single volume acquisition</p> <p>Capable of visualization and measurement of hypoechoic structures within anatomy such as the fetal brain, kidneys and gynecological sonohystograms</p> <p>Capable of evaluating second-stage labor progression, and automatic documentation of labor procedure with objective ultrasound data</p> <p>Capable of the following exam types: Obstetrics, Gynecology, abdomen, Small parts, Vascular, Pediatrics, Cardiology, Urology, Musculoskeletal(MSK), Breast, Transrectal, Cardiology</p> <p>Operating modes: Brightness-Mode, Motion-Mode,Pulsed wave Doppler (PW) with HPRF, Power Doppler Mode (PD), Color Flow Doppler Mode, Power Doppler Mode, High Definition Power doppler Mode (HD-Flow),Tissue Doppler mode (TD),Volume Mode (3D/4D)</p> <p>Full articulation arm</p> <p>With adjustable console</p> <p>With not less than 23 inch high resolution LCD, LED display with DVI interface</p>	<p>Capable of automatic calculation of the number and volume of hypoechoic structures in a volume sweep</p> <p>Capable of standardized image orientation of the fetal heart by providing automatically obtained images from a single volume acquisition</p> <p>Capable of visualization and measurement of hypoechoic structures within anatomy such as the fetal brain, kidneys and gynecological sonohystograms</p> <p>Capable of the following exam types: Obstetrics, Gynecology, abdomen, Small parts, Vascular, Pediatrics, Cardiology, Urology, Musculoskeletal(MSK), Breast, Transrectal, Cardiology</p> <p>Operating modes: Brightness-Mode, Motion-Mode,Pulsed wave Doppler (PW) with HPRF, Power Doppler Mode (PD), Color Flow Doppler Mode, Power Doppler Mode, High Definition Power doppler Mode (HD-Flow),Tissue Doppler mode (TD),Volume Mode (3D/4D)</p> <p>Full articulation arm</p> <p>With adjustable console</p> <p>With not less than 23 inch high resolution LCD, LED display with DVI interface</p>		

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<p><i>(Continuation)</i></p> <p><u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u></p>	<p>Resolution FHD of not less than 1920 x 1080 pixel</p> <p>Multi touch interactive dynamic software menu</p> <p>With floating keyboard: capable of rotation and adjustable +/- 38° from center, height adjustable + 195 mm</p> <p>Full-sized backlit alphanumeric keyboard and interactive back lighting With customizable screen enables side-by-side comparisons of current and previous exam results</p> <p>3D manipulations through trackball or rotation knobs</p> <p>With 4D view PC software</p> <p>With one (1) high resolution convex and linear volume imaging probe</p> <p>With one (1) ultra light volume pinless connector probe</p> <p>With one (1) high frequency abdominal probe</p> <p>With one (1) abdominal probe</p> <p>With one (1) linear probe with high quality spatial resolution and image-uniformity in a 50 mm footprint for breast imaging</p> <p>With one (1) linear abdominal probe</p> <p>With one (1) neonatal probe</p> <p>With one (1) high resolution 4D endovaginal probe</p> <p>With 3 active ports and 1 parking port</p> <p>Integrated HD of not less than 500 GB</p> <p>With integrated DVD+R(W) / CD-R(W) drive</p> <p>With probe port illumination</p>	<p>Resolution FHD of not less than 1920 x 1080 pixel</p> <p>Multi touch interactive dynamic software menu</p> <p>With floating keyboard: capable of rotation and adjustable +/- 38° from center, height adjustable + 195 mm</p> <p>Full-sized backlit alphanumeric keyboard and interactive back lighting With customizable screen enables side-by-side comparisons of current and previous exam results</p> <p>3D manipulations through trackball or rotation knobs</p> <p>With 4D view PC software</p> <p>With one (1) convex probe</p> <p>With one (1) convex volume probe</p> <p>With one (1) endocavity probe</p> <p>With one (1) endocavity volume probe</p> <p>With 3 active ports and 1 parking port</p> <p>Integrated HDD of not less than 500 GB</p> <p>With integrated DVD+R(W) / CD-R(W) drive</p> <p>With probe port illumination</p>		

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<p><i>(continuation)</i></p> <p><u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u></p>	<p>With interface DICOM, internal DVD R/W/USB ports</p> <p>With connectivity of rear panel: VGA out, Network (RJ45), Wireless Network interface (USB), USB 2.0 (1x), USB 3.0 (3x), S-Video Out 1, HDMI</p> <p>With connectivity behind rear panel that can be accessed after opening:</p> <p>Connectivity behind rear panel (access after opening): DVI-D out, S-Video Out 1, Audio Out - Left/right, USB 2.0 (3x)</p> <p>With remote connections, digital printer, memory sticks</p> <p>With integrated black and white printer</p> <p>With four-wheel swivel with steer and lock</p> <p>With one (1) laser technology colored office printer</p> <p>Not more than 148 kilograms</p> <p>With one (1) 3 kVA at 1% voltage tolerance medical grade uninterrupted power source (UPS)</p> <p>Other terms & conditions of acceptability:</p> <p>1. The equipment must be a BRAND NEW unit and under warranty including spare parts for at least 2 years. Supplier must bind itself to conduct preventive maintenance on a quarterly basis at its own expense (including labor and cost of spare parts in compliance) with SPMC ISO and CQI Standards.</p>	<p>With interface DICOM, internal DVD R/W/USB ports</p> <p>With connectivity of rear panel: VGA out, Network (RJ45), Wireless Network interface (USB), USB 2.0 (1x), USB 3.0 (3x), S-Video Out 1, HDMI</p> <p>With connectivity behind rear panel that can be accessed after opening:</p> <p>Connectivity behind rear panel (access after opening): DVI-D out, S-Video Out 1, Audio Out - Left/right, USB 2.0 (3x)</p> <p>With remote connections, digital printer, memory sticks</p> <p>With integrated black and white printer</p> <p>With four-wheel swivel with steer and lock</p> <p>With one (1) laser technology colored office printer</p> <p>Not more than 148 kilograms</p> <p>With one (1) 3 kVA at 1% voltage tolerance medical grade uninterrupted power source (UPS)</p> <p>Other terms & conditions of acceptability:</p> <p>1. The equipment must be a BRAND NEW unit and under warranty including spare parts for at least 2 years. Supplier must bind itself to conduct preventive maintenance on a quarterly basis at its own expense (including labor and cost of spare parts in compliance) with SPMC ISO and CQI Standards.</p>		

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<p><i>(continuation)</i></p> <p><u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u></p>	<p>2. All machines must be manufactured by a known and reputable company with Certificate of Good Manufacturing Practice (GMP), TUV or ISO or its equivalent for equipment only.</p> <p>3. The equipment / machine must be able to comply with its installation and operation qualification which would be conducted in the presence of a Biomedical Technician, End-user and the Company Engineer.</p> <p>4. In line with the ISO standard requirement, the engineer must be capable of conducting annual calibration and the issuance of certificate for the said calibration based on the following data:</p> <ul style="list-style-type: none"> a. Reference standards b. National Institute of Standards and Technology traceability c. Reference values d. Validity period e. Uncertainty of measurement 	<p>2. All machines must be manufactured by a known and reputable company with Certificate of Good Manufacturing Practice (GMP), TUV or ISO or its equivalent for equipment only.</p> <p>3. The equipment / machine must be able to comply with its installation and operation qualification which would be conducted in the presence of a Biomedical Technician, End-user and the Company Engineer.</p> <p>4. In line with the ISO standard requirement, the engineer must be capable of conducting annual calibration and the issuance of certificate for the said calibration based on the following data:</p> <ul style="list-style-type: none"> a. Reference standards b. National Institute of Standards and Technology traceability c. Reference values d. Validity period e. Uncertainty of measurement 		

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<p><i>(continuation)</i></p> <p><u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u></p>	<p>5. Supplier must comply with the following conditions:</p> <ul style="list-style-type: none"> a. Must either be the exclusive or authorized distributor of the principal company of the equipment and the necessary consumables in the Philippines. b. Submit Certificate of Training of the Company Engineer / Technical Personnel and Product Specialist issued by the Principal or Manufacturer. c. Provide company response within 24 – 48 hours in case of technical problems or equipment breakdown. d. In case of machine downtime, the supplier is given three (3) days for remedial action (repair and or replacement of spare parts). On the 4th day, if the unit is not operational, a back-up machine shall be provided (within the warranty period). <p>6. Supplier must have at least five (5) functioning installations of the same specifications in any tertiary medical center in the Philippines.</p> <p>7. The Supplier must submit the following:</p> <ul style="list-style-type: none"> a. Three (3) copies of the Operating and Service Manuals in English during the delivery of the equipment. b. Notarized Certificate of availability of spare parts for the next ten (10) years. 	<p>5. Supplier must comply with the following conditions:</p> <ul style="list-style-type: none"> a. Must either be the exclusive or authorized distributor of the principal company of the equipment and the necessary consumables in the Philippines. b. Submit Certificate of Training of the Company Engineer / Technical Personnel and Product Specialist issued by the Principal or Manufacturer. c. Provide company response within 24 – 48 hours in case of technical problems or equipment breakdown. d. In case of machine downtime, the supplier is given three (3) days for remedial action (repair and or replacement of spare parts). On the 4th day, if the unit is not operational, a back-up machine shall be provided (within the warranty period). <p>6. Supplier must have at least five (5) functioning installations of the same specifications in any tertiary medical center in the Philippines.</p> <p>7. The Supplier must submit the following:</p> <ul style="list-style-type: none"> a. Three (3) copies of the Operating and Service Manuals in English during the delivery of the equipment. b. Notarized Certificate of availability of spare parts for the next ten (10) years. 		

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<p><i>(continuation)</i></p> <p><u>ONE (1) UNIT BRAND NEW PREMIUM ULTRASOUND FOR PERINATOLOGY</u></p>	<p>8. Supplier shall provide one (1) set branded Computer per ultrasound unit (Intel Core Processor i&-4790 3.6 GHz 4 core 8MB, Intel H87 Chipset, 4GB DDR3-1600 DIMM RAM SRP Memory, 1 TB 7200 RPM SATA 6G 3.5 HGG-SRP Hard drive, Ultra slim tray supermulti DVDRW optical drive, Windows 8,1 or higher operating system, NVIDIA GeForce GTX 745 4GB DDR3 FH Graphics, wireless mouse and keyboard) with not less than 22 inch monitor with uninterrupted power source and computer table and chair.</p> <p>9. The winning bidder shall provide an Automatic Voltage Regulator suitable for the equipment.</p> <p>10. The principal in coordination with the supplier must provide a comprehensive certification training program preferably onsite for the end-users and biomedical technician without additional cost to the procuring entity. Supplier must submit a comprehensive training module as part of the technical specification which covers product orientation, hands-on training and troubleshooting. The said training must be conducted by a certified product specialist.</p>	<p>8. Supplier shall provide one (1) set branded Computer per ultrasound unit (Intel Core Processor i&-4790 3.6 GHz 4 core 8MB, Intel H87 Chipset, 4GB DDR3-1600 DIMM RAM SRP Memory, 1 TB 7200 RPM SATA 6G 3.5 HGG-SRP Hard drive, Ultra slim tray supermulti DVDRW optical drive, Windows 8,1 or higher operating system, NVIDIA GeForce GTX 745 4GB DDR3 FH Graphics, wireless mouse and keyboard) with not less than 22 inch monitor with uninterrupted power source and computer table and chair.</p> <p>9. The winning bidder shall provide an Automatic Voltage Regulator suitable for the equipment.</p> <p>10. The principal in coordination with the supplier must provide a comprehensive certification training program preferably onsite for the end-users and biomedical technician without additional cost to the procuring entity. Supplier must submit a comprehensive training module as part of the technical specification which covers product orientation, hands-on training and troubleshooting. The said training must be conducted by a certified product specialist.</p>		

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<i>(continuation)</i> <u>ONE (1) UNIT</u> <u>BRAND NEW</u> <u>PREMIUM</u> <u>ULTRASOUND</u> <u>FOR</u> <u>PERINATOLOGY</u>	11. Cost of damages on the existing facility that will be incurred during delivery and installation of all equipment will be shouldered by the supplier. 12. The Southern Philippines Medical Center has the right to terminate the contract for any violation in the terms and conditions stated in the technical specification and other reasons as stated in the General Conditions of the Contract (GCC).	11. Cost of damages on the existing facility that will be incurred during delivery and installation of all equipment will be shouldered by the supplier. 12. The Southern Philippines Medical Center has the right to terminate the contract for any violation in the terms and conditions stated in the technical specification and other reasons as stated in the General Conditions of the Contract (GCC).		

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