Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
GN-29, Salt Lake, Sector-V
Kolkata-700091

Phone No (033) 40340307/320
E mail: procurement@wbmsc.gov.in

Supply and Commissioning of 01(One) unit of High-End Colour Doppler Ultrasound System for the Department of SDLD of IPGME&R-SSKM Hospital, Kolkata

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-062/2026	**Dated-16.01.2026**

AMENDMENT-I

Revised Technical Specification

High END Color Doppler Ultrasound System

- It should be robust state of art, fully digital high end latest Color Doppler Ultrasound System with C-Sound / N-Site / Crystal-live / similar architecture capable of precision beam forming, capable of performing imaging applications in abdominal, musculoskeletal, small parts, Urology, Pediatric etc.
- System should have broad band beam former capable of processing signals from 1-22 MHz.
- System should have latest state of the art Hybrid Beam forming technology to ensure no Compromise between Temporal and Special resolution
- System processing channels must be more than 80,00,000.
- Frame rates 5000 frames/sec or more preferred
- System with Digital TGC control is preferred.
- System should have 4 universal probe ports.
- System should incorporate facility for high resolution 2D, M-mode, PW, Color Flow Imaging, Color Power Angio imaging, Power Pulse Inversion Harmonics, Directional Color Power angio imaging modes, Auto IMT
- System should have Full Spectrum Imaging, Tissue Harmonic Imaging, Spatial Compound Imaging, Pulse Inversion Harmonic Imaging, Trapezoidal Imaging, Quad Imaging, Dual Imaging in Horizontal Split, 2D/C Live Imaging, Automatic PW Doppler Adjustment and Auto 2D Adjustment.
- System should have scan depth of 2 to 40 cm or more. Please specify through data sheet.
- System should have 256 shades of gray display.
- System should have feature to Volume shade imaging for skin tones and shading to Improve visualization of 3D/4D with variable light source time.

- System should have facility for real time or frozen, pan or point zoom.
- System should have cine loop review minimum 50000 frames. Please specify through data sheet.
- System should have panoramic extended field of view.
- Console height should be adjustable for user's comfort.
- System must have Contrast Ultrasound with Time intensity Curves (CEUS).
- System should have Advanced Image Processing algorithm to analyze between targets and artifacts so as to sharpen target anatomy, reduce the sparkle & artifacts to improve image quality.
- System should have Dynamic range 256 db or more.
- It should have extensive software and automatic and user programmable calculation package for gray scale, color Doppler.
- System should have more than 21.5" or more Flat panel Monitor (preferably LED) with an articulating arm of 360 degree movement capable of up/down & forth/back movement along with tilt & swivel facility.
- System should have more than 12" wide LED Touch Screen Control and gel warmer.
- System should support single button to customize the workflow of Doctor.
- System should have individual lock for all four wheels.
- System should be able to show hemodynamic color flow (Alpha blending).
- System should be DICOM ready. Data Transfer through Pen drive should be possible.
- System should have built in Image Management Software, for off line application when patient has gone after examination, such as Image Manipulation, Multi Planner reformatting, surface & volume rendering etc. It should have hard disk memory of 512 GB SSD or above.
- System should have Micro Vascular Flow to detect very low intensity vascularization.
- System should have BIRADS based breast lesion classification tool.
- System should have TIRADS based thyroid lesion classification tool.
- Please respond to each specification in the same format and order and support it with Product Data Sheet.
- System should be provided with following transducer:
- Single Crystal Convex Abdominal probe with frequency range from 1 to 6-7 MHz (±1 Mhz).
- Single Crystal/Combowave/Xplus architecture Linear probe for vascular studies 2 to 12-14 Mhz (±1 Mhz).
- Hockey Stick Linear probe for 3-5 to 18-22 Mhz (±2 Mhz). approx.
- Adult Cardiac Probe with 1-5 Mhz, approx. for 2D Echo Studies +/-1MHz Frequency Acceptable

The bidder should submit valid CDSCO Certificate / Registration / License for both the manufacturer(s) and importer(s) as applicable.