



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 50(Fifty) units of Handheld Ultrasound Machines under CSR for MMUs

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-965/2025	Dated-26.11.2025
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AMENDMENT-I

REVISED Technical Specification of
Wired / Wireless Handheld Ultrasound Device with Tab

1. The device should be portable/Mobile preferably a hand held' point of care' device/Pocket sized and Wired/Wireless, Bluetooth enabled, easily connected/paired to any mobile or tablet or computer system and compatibility with both IOS and Android OS **Tab** for wired device.
2. The tab should be of reputed make with minimum 128GB internal storage capacity should be supplied with the probe.
3. The device should have 128 or more physical channel / 50000 or more digital channel/demonstrate equivalent performance through alternative technology for beam forming for better image quality.
4. The device should be light weight and battery operated and should provide more than 45 min backup for wireless and for better mobile services within the hospital premises. **(This is not applicable for wired device).**
5. Device should be capable/allowing to display anatomy in real-time in black and white mode and color- coded doppler for real time blood flow imaging **and pulse wave doppler.**

6. Device should have the Button in the probe/**Tab** to control like Freeze or Store.
7. **Device should have Auto optimized in 2D mode for basic and Selectable focal zone marker.**
8. Facility to see Image on bigger Screen up to 20 inches wired/wirelessly (both Portrait and Landscape modes)
9. System should function/allow to adjust gain depth in 2D, color mode one externally connected device
10. There should be facility for image control Selectable TGC control with depth-dependent gain controls.
11. System should be capable of doing multifunctional applications such as Abdominal, Vascular, peripheral vascular, musculoskeletal (conventional and superficial), small organs, ophthalmic, pediatrics, neonatal cephalic, Procedural Guidance, fetal/obstetrics, gynecological, urology, thoracic/lung, interventional guidance (includes free hand needle/catheter placement, fluid drainage, nerve block, vascular access and biopsy).
12. The field of view should be minimum 60 degrees with maximum depth of at least 24 cm
13. Data should be generic format and in separate folders: jpg for still frames, Mp4 or loops, so that it can be easily **stored in the tab and** transferred to other device.
14. The system should have mandatory free Application update through software IOS or any play store when they become available.
15. System should be sturdy and resistant enough to with stand from hit and fall from one-meter height and be waterproof and dust-proof (IP67 Rating)
16. The System should have pulsed wave spectral doppler for blood velocity measurement and Motion mode to displays tissue motion over time.
17. The System should be able to carry out Measurements: Distance, circumference, angle, velocity, slope, heart rate, and obstetric measurements (BPD, HC, AC, FL, CRL, **AFI and DVP**).
18. System should allow for placement of annotations (Arrow and free text) on the frozen image or stored image
19. Probe configuration integrated on a single transducer with single/dual heads to be supplied as below:-
 - a) Curved array transducer probe from 2 to 5MHz **(±1)**

b) Linear probe from 3 - 12MHZ (± 1)

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

21. Bidder has to arrange for onsite training in a phased manner for at least 7 (Seven) working days to be confirmed by the Sonologist(s).