



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Kolkata-700091

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Supply and Commissioning of different types of Medical Equipment for the Department of Anesthesia at Burdwan Medical College & Hospital

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-544/2025

Dated-24.06.2025

AMENDMENT-I

Schedule-I

REVISED Technical Specification of Portable USG Machine

1. The unit should be compact, lightweight and portable. Specify weight and dimensions. Weight should not exceed **10 Kg** including battery and excluding cart and accessories.
2. It should be suitable for echocardiography (Adult, Paediatric), abdominal, Ob / Gyn, FAST exam, vascular, musculoskeletal, small parts applications
3. The unit must have real time compound imaging for improved contrast resolution and eliminating ultrasound artefact to achieve optimum image quality on convex and linear transducers
4. The unit must have automatic gain adjustment for B mode
5. Scanning depth must be available up to **35 cm or more**
6. System must have frequency range from **2 - 22 MHz (± 1 MHz)**
7. Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler, Continuous wave Doppler, PW-TDI, Power (energy) Doppler should be available.
8. Controls for 2D mode: Total gain, depth, dynamic range, auto gain
9. System must have fast start up to scanning in less than 30 seconds from standby and **90 sec** from 1st start up as essential in critical and emergency situation in ICU, emergency, OT
10. Cine memory on all modes
11. System should be DICOM ready system with print, save, modality work list. Ready to connect to PACS

12. Inbuilt Flat LCD / TFT monitor of 15" or more
13. Alphanumeric soft keys keyboard with easy access, scans controls, system must have **leakage proof** keyboard for sanitization. This must be possible to avoid cross contamination.
14. Onboard storage of at least 10000 images and **1 TB storage internal/external SSD**
15. USB port for connectivity to computer
16. System should have extensive calculation package for cardiac, Ob / Gyn, Vascular measurement and calculation provision for distance, area, volume and circumference
17. Must be able to operate both on AC and inbuilt battery. Inbuilt battery pack should be self-recharging and should last at least for 50 minutes (minimum scan time covered should be **60 minutes or more**) when fully charged, need to be demonstrated (minimum **60 minutes or more scanning time**)

18. Transducers:

- 18.1. 2 - 5 MHz (**± 1 MHz**) Curvilinear transducer for abdominal, Obst & Gynae examination
- 18.2. 5 - 12 MHz (**± 1 MHz**) Linear probe for superficial structure
- 18.3. 2-4 MHz (**± 1 MHz**) Sector probe for cardiac application

Machine should be supplied with three port with cart

19. BIW Thermal printer, carry bag, mobile cart with transducer holder and space for printer should be quoted separately as optional
20. Essential Requirement: The firm must have installation of as units of the quoted model and 15 for similar model in same series in India, attach list of installations, and also provide performance certificates.

Standard and safety: The bidder/ OEM should have valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable