



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
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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*)

(2nd call of Bid Reference No.: WBMSCL/NIT-544/2025, Dated-24.06.2025)

Bid Reference No.: WBMSCL/NIT-709/2025

Dated-20.08.2025

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 - 19 MHz or more** (± 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 256 GB or more 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 40 minutes (minimum scan time covered should be 40 minutes or more) when fully charged, need to be demonstrated (minimum 40 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 applicationMachine 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.
21. A Suitable KVA of UPS at least 30 min or more
22. **Standard and safety:** The bidder/ OEM should have valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable