

Notice Inviting e-Tender

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

Phone No (033) 40340307/40340308

E mail: procurement@wbmsc.gov.in

SUPPLY OF CARDIO THORACIC VASCULAR SURGERY (CTVS) EQUIPMENTS AND COLOUR DOPPLER SYSTEM IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-44/2015

Dated-09.12.2015

The following amendments have been made in the tender document,

Schedule-V

Amendment – I (Revision of Technical Specification)

The revised technical specifications for the item is given below

Colour Doppler System

1. State-of-the-art model launched after 2014 all digital beam former with super computed signal processing and clinically proven imaging technologies.
2. Applications: abdomen, obstetrics & gynae, peripheral vascular & superficial parts imaging like breast, scrotum, thyroid & musculoskeletal.
3. Minimum of 15,000 or more digital processed channels per image frame. Technical data sheet should be enclosed in technical bid to support the number of channels on the systems. Failing to do so, the bid will be rejected.

4. System must be offered 18 inch or above High Resolution Flat Panel Display (LED or LCD) monitor with swivel and pan facility.
5. Frequency compounding facility. Other equivalent Technology can also be offered. Processing technology in technical bid should be highlighted.
6. System must be offered with 2D, M-mode, Colour M-mode, Colour Flow, Pulse Wave Doppler and Directional Colour Doppler.
7. System must be offered with Speckle Reduction Imaging: Image processing technique to remove speckles and clutter artefacts.
8. A very high dynamic range of 200 d B to pick up subtle echoes. Dynamic range in Db must be clearly mentioned in the technical quote.
9. Frequency processing facility for the transducers should be 1-12 MHz. This must be available without the need for frequency switching.
10. High Definition Spackle Reduction Imaging, which is a real-time algorithm that increases contrast resolution by reducing speckle noise while maintaining true tissue appearance image processing technique to remove speckles and clutter artefacts.
11. Anatomical M-Mode (Angle-corrected M-mode)
12. Pulsed wave Doppler Imaging
13. System should have minimum 3 active ports with direct switching from console.
14. System should have scanning depth of 2 cm to 30 cm. Please supply through technical data.
15. Triplex Imaging should be standard on the system.
16. Acquisition frame rate of at least 1000 frames/second. Acquisition frame rate should be clearly mentioned in the technical quote.
17. Cine loop review facility; should be able to acquire and display up to 1000 frames of 2D and colour images for retrospective review and image selection.
18. Must be offered with a single button control for automatic optimization and adjustment of TGC and Receiver Gain to achieve optimal uniformity of image quality and faster scans. This should be demonstrated to the users in vascular exams during technical discussions.
19. Storage- greater than 20000 image storage facility in the system hard disk drive. Extensive image management capability including thumb nail review, Cine loop editing etc.
20. Archive – facility to transfer images to an integrated CD writer, without any interfacing. Specify if integrated CD writer is available in your technical quote.
21. Print-Should have direct connectivity to Inkjet printer for printing images & report.

22. System must have the following transducers:

- a) **1-5** MHz Broadband Curved Array Transducer for Abdominal, Renal, OB/Gyn, imaging. Must have Tissue Harmonic Imaging. Should attach technical data sheet of transducer to specify. The Vendor should quote the widest field of view.
- b) 4-12 MHz Linear Array Transducer for Vascular, Small Parts, imaging. Must have Tissue Harmonic Imaging. Should attach technical data sheet of transducer to specify.
- c) 4-9 MHz Broadband Tightly Curved Array Transducer for OB/Gyn imaging with **125 or more** degree field of View. Should attach technical data sheet of transducer to specify.

23. System should be supplied with the following peripheral devices:

- a) Thermal B/W Printer.
- b) 2 KVA ONLINE UPS.

24. 5 years CMC: 5 years comprehensive maintenance contract of:

- a) All spare parts of USG machine including transducers without any cost
- b) All spare parts of B/W thermal printer without any cost.
- c) All spare parts of 2KVA online UPS system without any cost.
- d) Quarterly general maintenance of the machine for five years.

Note: Spare & support service must be available for 10 years from the date of supply by the manufacture / vendor.

Amendment – II

The BOQ has been replaced