

# Notice Calling for Quotation/Tender

OFFICE OF THE SUPERINTENDENT  
J.N. MEDICAL COLLEGE HOSPITAL  
ALIGARH MUSLIM UNIVERSITY,  
ALIGARH

No. Ext 4652 /MCH

Dated 10.11.15

M/s.....

Sealed Quotations/Bids (One Technical and One Financial separately) are invited from manufacturers or their authorized dealers for the following equipments which should be sealed by the tenderers in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover, which should also be sealed and duly super scribed, on the terms and conditions printed on Page No. 03.

Quotations should reach this office on or before 30.11.2015 by 03:00 PM.

## Specifications for Latest state of the art Standalone Color Doppler Machine Essential Features/Minimum Specifications

### 1. General

- System Architecture should able to support higher Image processing channels with State of the art Semi Compound Pulse Wave Generator Technology for accurate contrast and spatial resolution with Precise delay timing control for high resolution beams etc
- System should be Capable of taking Broad band probes
- Capability to incorporate Electronic Convex, Linear, Phased Array technology probes is must with Frame rate more than **700 frames/sec**
- System should have minimum of 12 Bit A/D Converter (4096 gray scale)
- System should have special Beam signal processing technology (Dynamic apodization)
- System should have write zoom, and read zoom.
- System should have maximum depth of 30 cm
- System should have spatial compounding of 5 – 15 deg with increment of 5 deg
- System should have speckle reduction technology in convex, Linear, Phased array, & Vaginal probe with user selections

### 2. System Operating Modes

The System should be capable of operating in following modes

- Free Angular M Mode with 3 Cursors both in real time & on frozen image in all the probes, with M Mode cursor rotation of Complete 360 Degree, system should have provision of getting M-mode image from the stored B-mode image.**
- System should be with facilities of Color Flow, Power Flow, Directional Power flow & latest High spatial & temporal resolution color flow technique better than power doppler
- System should have min angle of 180 deg in TVS probe with radius of the probe should not be more than 9 mm.
- System should have PW Doppler, HPRF, CW Doppler as standard
- In Color flow imaging, user should be able to change the frequency from Resolution, Standard & Penetration.
- Cine Memory- **B mode max 16,000 frames. M & D Modes Max 1000 seconds**
- Should have high speed data transfer between Cine Memory and Hard Disk
- System should allow us to take 10 pair distance measurement at a time on a frozen image.

### 3. Display Monitor

- System Should have minimum 3 live probe connectors
- 15inch viewing monitor, Latest IPS Monitor Technology LCD Monitor with Tilt and Swivel adjustment together with the operational panel should be possible.**

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