



Date: - 07th November, 2019

Corrigendum for High End Ultrasound Machine for the Department of Radiology

NIT Issue Date	: 30 th July, 2019
NIT No.	: Admn/Tender/28/2019-AIIMS.JDH
Pre-Bid Meeting	: 19 th August, 2019 at 03:15 PM
Earlier Last Date of Submission	: 30 th October, 2019 at 03:00 PM
Extended Last Date of Submission	: 28 th November, 2019 at 03:00 PM
Bid opening	: 29 th November, 2019 at 03:15 P.M

The following revised and additional specification will be added:-

1. Page No. 10, Annexure 1,para 1:

For

Technical Specifications – Premium End, Top of the Line, Color Doppler Ultrasound System with Shear Wave Elastography.The system must be upgradable to a fusion ultrasound system

Read

Technical Specifications – Premium End, Top of the Line, Color Doppler Ultrasound System with Elastography,contrast imaging and fusion navigation capabilities.

2. Page No. 10, Annexure 1,add new para:

New point:

System should have Real-time, Fusion Imaging allowing to locate difficult lesions faster and to navigate complex anatomy securely, while carrying out invasive procedures.

- For a comprehensive pre- and post-interventional evaluation System should allow to work in any ultrasound imaging mode including color Doppler and contrast-enhanced ultrasound etc
- System should have provision to show innovative navigation tool showing 3D reconstructed data for intuitive probe positioning in quad view.
- The System should have Dual/Quad view.
- System should able to view the Real time Ultrasound images overlapped with reference CT/MR image like Blend Imaging.
- The System should have Blend Image Brightness control to CT/Ultrasound data.
- The System should have Sensor based 3D Information for Convex and Linear probes.
- The Fusion Registration can be done simple two step operation of Angle and Position synchronization.
- The System should enable dual/Quad display of live ultrasound with pre-loaded CT or MR data, Blend Image (CT/MR Overlapped with Ultrasound), Volume based Sensor 3D Image combined with an image of two modalities with Intuitive probe position tool should be shown.

- i. Fusion Adopter should be Given for Convex and Linear Probes.
- j. System should support Auto Track Device for CT and MR for Automatic Registration of Fusion Data set and quoted as option.

3. Page No 12, Heading Monitor:

For:

Monitor should be high resolution, 19" (inch) or more Back Lit LED/ LCD Monitor with 1080 x1080 matrix or more. Please specify resolution range with IPS technology.

Read:

Monitor should be high resolution, 21" (inch) or more Back Lit LED/ LCD Monitor with 1920 x1080 matrix or more. Please specify resolution range with IPS technology.

4. Page No 12, Heading Console, para 1:

For:

The freely programmable, mode-sensitive 10" or more Color Touch Command Screen which enables direct access to all basic and advanced system controls.

Read:

The freely programmable, mode-sensitive 12" or more Color Touch Command Screen which enables direct access to all basic and advanced system controls.

5. Page No 12,

For:

Following probes should be supplied with the system:

- 1.Convex Probe with Band width of 1MHz to 5MHz OR MORE with Biopsy Guide for Abdominal applications and Support for Strain and Shear wave Elastography
- 2.High Frequency Convex Probe with Band width of 5MHz to 8MHz for Pediatric and Neonatal Radiology.
- 3.Linear matrix probe of 5 to 9 MHz with Biopsy guide and should support Strain, Shear wave Elastography and contrast imaging applications
- 4.Dedicated Trans-Rectal/Trans vaginal Probe with Band width of 4MHz to 9MHz OR MORE with Biopsy Guide and should Support for Strain Elastography
- 5.Convex volume probe with frequency 1-7 MHz for 3D/4D applications.
- 6.Transcranial Doppler probe(1-4 MhZ).

Price of the following probes to be quoted as optional. The same will be frozen for a period of 5 years: Linear probe of 7-17 MHz with strain elastography for musculoskeletal and small part applications

Read as: Following Probes should be supplied along with system. A deviation of ± 1 Mhz is acceptable:

1. Single crystal/high density Convex Probe with Band width of 1MHz to 5MHz OR MORE with Biopsy Guide for Abdominal applications and Support for Strain and Shear wave Elastography and contrast imaging applications.
2. Single crystal/high density Convex Probe with Band width of 5MHz to 8MHz for Pediatric and Neonatal Radiology.
3. Linear matrix probe of 5 to 15 MHz(± 1 Mhz) with Biopsy guide and should support Strain and Shear wave Elastography and contrast imaging applications
4. Dedicated Trans-Rectal/Trans vaginal Probe with Band width of 4MHz to 9MHz OR MORE with Biopsy Guide and should Support for Strain Elastography
5. Convex volume probe with frequency 1-7 MHz for 3D/4D applications. All available application like light source imaging,Curved MPR/OmniView/Advanced STIC/Automatic view of 8 recommended view by system by one sweep,automatic follicle count and automatic 4D cut line according to fetal position should be offered.
6. Transcranial Doppler probe(1-4 MhZ).

Price of the following probes to be quoted as optional. The same will be frozen for a period of 5 years:

Linear probe of 7-17 MHz with strain elastography for musculoskeletal and small part applications

6. Page No. 10, Point No. 5

For

US FDA & CE complaint . Also Mention year of launch.

Read

US FDA/CE complaint . Also Mention year of launch.

7. Page No. 11, Point No. 35

For

The system should have **US FDA** approved Real Time Elastography (strain and shear wave) for Liver, thyroid Breast, Prostate Applications. Also the Following feature's Available in the Elastography

Read

The system should have **US FDA/CE** approved Real Time Elastography (strain and shear wave) for Liver, thyroid Breast, Prostate Applications. Also the Following feature's Available in the Elastography.