

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-29.
STORES SECTION (DO)

Ref. No. 03/Stores(DO)/R.D./PAC/2018-19/FSC

Dated-21/05/2018

Sub:- Purchase of "High End Real Time ShearWave Elastography based Ultrasound Imaging System" for the Department of Radio-diagnosis, (AIIMS), New Delhi-110029, on proprietary basis Inviting comments thereon.

The Institute is in the process to purchase "High End Real Time ShearWave Elastography based Ultrasound Imaging System" for the department of Radio-diagnosis, (AIIMS), New Delhi from M/s. Supersonic Imagine, France (International) through M/s. Assiz & Sarah Healthcare Pvt. Ltd. New Delhi. The PAC Certifications by M/s. Supersonic Imagine, France (International) as well as the user department are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within 15 day from the date of issue/uploading of the notification giving reference No. 03/Stores(DO)/R.D./PAC/2018-19/FSC. The comments should be received in office of Stores Officer (FSC), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before 07/06/2018 upto 12.30 p.m. failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,


STORE OFFICER (FSC)

Encl: Related documents enclosed.

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Department of Radiodiagnosis, AIIMS, New DelhiTender Specifications for a High end Ultrasound machineWith Real time Shear Wave Elastography on a buy back basis (Two units) & PAC basisOne for main department and one for New OPD Block

The system should be state of the art with full digital technology and should be for Abdominal, Renal, Pelvic, Genitourinary, Breast (2D and 3D), Obstetrics, Thyroid, and MSK Imaging Applications. The specific minimum requirements for this equipment are as follows:

1. The system should be capable of high-resolution 2D, 3D, M, PW, Color flow, Power & Directional Power Doppler, Pulse Wave Doppler and Panoramic imaging mode.
2. It should have contrast imaging and real time shear wave elastography modes.
3. The system should have 60000 or more digital processing channels.
4. Transducers should be of broadband technology.
5. The system should have a dynamic range of 180 dB or more.
6. System should offer Imaging depth of 30cms or more.
7. The system should have a frame rate on receive of over 5000 frames per second or more.
8. The system should have advanced color Doppler facility to position at least three spectrograms (online or offline) on a single image within the same cardiac cycle to simplify the workflow and reduce the examination time for Vascular application.
9. System should have Panoramic Imaging with at least 60cm of scanning length. It should have skin line scaling markers, curved distance measurement tool and Zoom, Pan, Rotate & Trim facility to trim panoramic images from start or end of the panoramic capture.
10. System should have integrated ACR BIRADS Lexicon available during the current study and BIRADS results, images and measurements should be fully integrated into the report worksheet for Breast Clinical Application. System should also have Print ready Liver, Obstetric and Vascular worksheets.
11. Machine should be capable of real time Compound imaging technology on linear, curved and mechanical volume probes for improved visualization. The compound imaging should have at least 9 beam steered lines of sight.
12. The system should have Basic Imaging Optimization controls like Tissue Harmonic Imaging, High Definition / General / Frame Rate optimization Control, Penetration / General / Resolution optimization control, Trapezoidal Imaging and Sector Size Control.
13. System should have both manual and Auto Doppler Trace facility on live and frozen images to improve the vascular workflow quantification of Doppler parameters.
14. System must be offered with High Definition Speckle Reduction Imaging
15. The system should have the 'Speed of Sound Correction' feature. Specify number of such sound correction speeds to adapt to tissue type. This feature should be available both in linear and convex transducers.
16. The machine should support intima media thickness (IMT) quantification with automatic or user assisted tracing of intima-media complex.
17. System should also offer Pulse Wave velocity measurement to measure the stiffness of the arterial walls or arteriosclerosis.
18. System should have High definition and PAN / zoom facility.
19. System should be able to support at least four electronic transducers with universal ports with simple electronic selection method for interchanging transducers. Additional parking ports would be preferable.
20. System should have one touch optimization for 2D & Doppler Modes.
21. System should have Cine loop facility, both frame by frame and in cine mode, with a memory for at least 3 minutes in 2D, color and Elastography modes. The system should also be able to review and at least 20 seconds of Doppler and M mode data.
22. The system should have facility of direct storage and retrieval of B/W and color images in both frozen and cine loops in the inbuilt hard disk drive. In- built hard disk storage for images should be for more than 10000 images.
23. System should have state of the art technology to enhance the needle shaft and tip for biopsy procedures. It should also predict the needle path on B Mode without attaching any needle brackets for more precise free hand biopsies.
24. The real time shear wave elastography mode should be capable of performing;
 1. Real time Shear Wave tissue elastography imaging with convex, linear, 3D, microconvex and endocavitary transducers.
 2. The elastography should be Real-time, Fully automatic; requiring no manual / automatic compression with reproducible results for Liver, Breast, Thyroid, Prostate, Gyn, Renal and MSK applications.
 3. System should be able to generate a color coded elastogram with a reference Adjustable Numerical elasticity scale for each application.

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4. System should be able to display simultaneously both color coded elastogram and corresponding B-Mode image in real time for performing elastography guided biopsies/FNAC.
5. There should be User adjustable elasticity-box size with a Display Depth: 0 - 6cm
6. Elastography Quantification should be available with pixel accurate absolute or discrete Elasticity values on all transducers.
7. Elastography quantification tool (Ellipse and trace) should be able to provide Mean, Max & Min elasticity values of the tissues in both m/s and kPa (KiloPascal) on all transducers.
8. System should have integrated report worksheet for Liver elasticity assessment.
9. System should have real time simultaneous imaging mode that combines three modes - B-Mode, SWE and microvascular Color flow imaging modes - to visualize anatomy, tissue stiffness and blood flow simultaneously to improve the workflow.□
25. Fully optimized Contrast Imaging mode should be available with simultaneous acquisition of B-mode and Contrast images in real-time in full screen or Side-by-side display.
 1. On-screen Contrast timer should be available allowing up to 5 minutes of streamed prospective cine capture
 2. Independent control of contrast color maps, TGC curves, and Dynamic Range
 3. Flash micro bubble destruction mode should be available
 4. User adjustable number of frames, Micro-vascular Imaging, and persistence imaging should be available to assess slow micro-vessel perfusion
26. A high resolution, fully articulation non interlaced flicker free, anti glare, flat panel display of 21 inches or more.
27. System should have facility to transfer data from the hard disk on to a removable media (CD /DVD/USB).
28. The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, PC/computer etc. in DICOM format. Vendor will connect the machine to existing PACS and to local other laser cameras without additional cost.
29. DICOM structured reporting for Obstetrics should be available.
30. The system should have advanced Query Retrieve capabilities to Query full native data from the PACS, and display Retrieved images side- by-side with real-time ultrasound on system's monitor.
31. The system should have CD-DVD and USB archival (DICOM and PC format)
32. Both the machine and the real time shear wave elastography should be USA FDA certified.

Transducers: Following transducers should be offered with the system:

1. Curved array 1 - 5 MHz.
2. Linear array 4 - 15 MHz.
3. Endocavitary probe 3 - 12 MHz with FOV of 135 or above
4. Microconvex Probe 3-12 MHz.

Optional Transducers : Please quote prices separately

5. Linear 3D volume probe 5-16 MHz.
6. Endocavitary 3D Volume probe 12 - 3MHz
7. Linear array 15 - 4MHz
8. Linear Hockey Stick Probe 6-20 MHz

Accessories:

1. On-line UPS with capacity for an hour backup to support all functions of the equipment i.e. Performing Ultrasound procedure, exposure on to films or copy on a CD.
2. CVT/Servo Voltage stabilizer
3. Black and white Laser printer
4. A Dry chemistry camera of 500 DPI or more with two active trays.
5. Essential furniture - Two patient couch with mattress, 5 revolving chairs from reputed make like Godrej, 2 Tables, Almira from Godrej, foot step, pillows,
6. Offline solution for quantification of perfusion parameters like Contrast Wash-in & wash-out curves etc.

Buy Back:

The procurement is on a buy back basis against Aloka USG, Model: Prosound SSD 3500. Vendor can inspect it after taking permission from HOD. A buy back price of minimum of Rs 20,000/- is expected from the vendor.

Upgrading requirements

A free, comprehensive software upgrade (compatible with the existing platform) guarantee for 10 years (after installation) of the ultrasound unit must be provided.

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Guarantee/Warranty

1. Five years comprehensive onsite warranty of entire system (Spares and labour), without exclusion, including all transducers, all other accessories and also UPS including batteries. This will be followed by 5 years CAMC to be quoted separately, year wise.
2. Following completion of warranty, 5 years CAMC will start. AIIMS terms and conditions will apply during this period.

General Instructions for the Vendor

1. Supplier must ensure availability of expertise service and maintenance at site of installation. Uninterrupted availability of spare parts and repair for next ten years must be assured.
2. Two bid system: vendor is required to make separate bids for technical and price components. These should be quoted in two separate sealed envelopes.
3. Please note that all technical features, facilities and accessories mentioned in the tender document are standard requirements and hence, these should be offered as the standard feature. None of these should be offered as optional items.
4. In price bid, cost of locally supplied items must be quoted separately in Indian currency.
5. Please respond to each specification in the same format and order as mentioned in the tender document and specify/indicate the verification document form the product data sheet against each column.
6. When required, information other than those in the data sheets should be provided as separate document from the principals only and should refer to the specific sections being addressed. When standard vendor data sheet disagrees with the bid response (offer/compliance statement), clarification should accompany in the form of certificate from the principals only. In absence of this, the vendor data sheet will prevail for the purpose of evaluation and decision of the technical committee shall be final and binding on the supplier.
7. The vendor has to station one application specialist and service engineer at site for a period necessary to familiarize the medical and technical staff to the scanner protocols and enable them to achieve fast and efficient service.
8. Mention the number (with addresses, phone numbers, e-mails) of installations of the quoted unit in the Delhi and India.

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

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PROPRIETARY / SPECIFIC GOODS CERTIFICATE

1. Item / Type / Model No. required
2. Is the item a spare part attachment
Or accessory for an existing equipment.
3. Name of the manufacturers / supplier
4. Are they sole manufacturers / sold distributors
Of the item.
5. Is there any other item with similar / equivalent
Specification available in the market to meet the
Job requirement envisaged. If the answer is yes,
why the same can't be procured. Demanding
officer should bring out comparative functional
advantages / cost effectiveness of the
recommended item from these offered by other.

High end ultrasound with real time
: Shear wave Elastography
Company: Supersonic Imagine
Model: Aixplorer ultimate
- NO

Manufacturer: Supersonic Imagine
Supplier: Assiz & Sarah Healthcare
Pvt. Ltd.

: yes

: NO

6. What were the efforts made the locate

: Direct contact with other major vendors &
Internet search their presentations in dept.

7. Why open / limited tender can't be
Resorted to for locating alternative source

: will not be helpful.

8. Are the proprietary items certifying that the
Rates are reasonable or not.

: yes

9. Any other justification for procuring

: Real time shearwave elastography is
all the transducers is very useful in
cancer patients - greatly assists in
diagnosis & overall management

Signature of Indentor
(Demanding Officer)

COUNTERSIGNER
(Head of the department)

Dr. Arun Kumar Gupta, MD, FAMS
& Head
Department of Radiodiagnosis
All India Institute of Medical Sciences
New Delhi-110029

I certify that the item at Sr. No. 1 above is required to be procured on single tender basis as the source of supply is definitely known / the specified brand proposed was advantages in meeting our functional requirement and limited tender system could be dispensed with as they would serve no useful propose in this particular case.

(Strike out whichever in not applicable)

Dr. Arun Kumar Gupta, MD, FAMS
Professor & Head
Department of Radiodiagnosis
All India Institute of Medical Sciences
New Delhi-110029

Proprietary Article Certificate

19th April, 2018

To Whom it may concern,

This is to certify that below is the list of unique features and capabilities of the Aixplorer Ultimate Ultrasound system that are currently only available from Supersonic Imagine, The sole manufacturer and supplier of the Aixplorer.)

1. Only Real Time Shearwave Elastography System – Real-time ShearWave Elastography, pioneered by SuperSonic Imagine, allows physicians to visualize and quantify the stiffness of tissue in a real-time, reliable, and reproducible manner. Tissue stiffness has become an important parameter in diagnosing potentially malignant tissue or other diseased tissue. More than 500 peer-reviewed publications have demonstrated the value of SWE for the clinical management of patients in a wide range of diseases. : Patent number : US 136 42478A, US 2009 599260, US2003526407A, WO2014IB3123A
2. Elastography guided Biopsy – Visualization of biopsies in Elastography mode is possible due to our unique Real Time design – Patent Number: US2003526407A
3. TriVu - Aixplorer is now the only ultrasound system that offers TriVu, a real-time simultaneous imaging mode that combines B-mode, SWE™ and enhanced color imaging. This allows physicians to visualize anatomy, tissue stiffness and blood flow simultaneously.
4. Needle PL.U.S. – Needle PL.U.S. enables you to visualize biopsy needles and anatomical structures in real time with unrivaled precision, and also predict where the needle is supposed to go. You save time, gain in comfort and reliability.
5. Real Time Shearwave Elastography in all transducers including Hockey Stick Linear, Micro Convex, 3D Linear, 3D Endocavity & details of all the other transducer. This is unique to SuperSonic Imagine Products due to our proprietary design. Patent Number: WO2014IB3123A


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supersonicimagine.com

6. Ultrafast Doppler – Extending the limits of workflow ease and ultrasound technology, the Aixplorer now brings its patented UltraFast™ Imaging platform to the Doppler arena by combining Color Flow Imaging with Pulsed Wave Doppler in one easy-to-use ultrasound mode. Patent Number: US13984011A
7. Fusion / Navigation– SuperSonic Imagine's Real Time Shearwave Imaging allows to use advanced tools such as Fusion / Navigation and to guide interventional procedures allowing for more precision
8. Angio PL.U.S. - PLanewave UltraSensitive™ imaging, provides a new level of microvascular imaging through significantly improved color sensitivity and spatial resolution while maintaining exceptional 2D imaging.

Sincerely,

SUPERSONIC
imagine

510, rue René Descartes - Bât E et F
F - 13857 Aix-en-Provence Cedex
RCS AIX 481 581 890
www.supersonicimagine.com

President and CEO
Michèle LESIEUR
19th April, 2018

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MANUFACTURER'S AUTHORISATION FORM

(To be submitted by authorized dealers/ representatives/ importers)

Dated: 05.05.2018

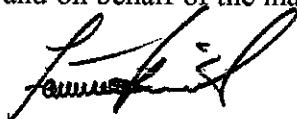
To
The Director
All India Institute of Medical Sciences,
Ansari Nagar,
New Delhi - 110029

Dear Sir,

Equipment Name- AIXPLORER ULTIMATE ULTRASOUND EQUIPMENT

1. We SuperSonic Imagine (Name of the OEM) declare that we are the original manufacturers of the above equipment having registered office at [Les Jardins de la Duranne Bât. E & F 510, rue René Descartes 13857 Aix-en-Provence Cedex France. Telephone number: +33 (0)4 88 19 68 55, Fax number: +33 (0)4 42 52 59 21 & E-Mail Id- contact@supersonicimagine.fr, having factories at Les Jardins de la Duranne Bât. E & F 510, rue René Descartes 13857 Aix-en-Provence Cedex France do hereby authorise M/s. Assiz & Sarah Healthcare Pvt Ltd, DDA PINK 376, 1st Floor, Phase II, Sector - 18B, Dwarka, New Delhi - 110078 to submit tenders, and subsequently negotiate and sign the contract with you.
2. No company or firm or Individual other than M/s Assiz & Sarah Healthcare Pvt Ltd are authorized to bid, negotiate and conclude the contract in regard to this business.
3. We also hereby undertake to provide full guarantee/Warranty/ CMC agreed by the tenderer in the event the tenderer is changed as the dealers or the tenderer fails to provide satisfactory after sales and service during such period of comprehensive warranty/ CMC/AMC and to supply all the spares/ reagents during the said period.
4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipment tendered within the stipulated time.

For and on behalf of the manufacturer



Lawrence Kronick
Director of Asia Pacific and the Americas