

**Corrigendum**  
**In tender document**  
**Tender Enquiry No. 24/Radiology/422/2018-Rish(Admn)**

Dated: 19-09-2018

As per schedule, Pre- Bid meeting of "Tender for Color Doppler Ultrasound Machine with 3D/4D, Shear Wave Elastography and fusion Imaging Capability for Radiology" was held on 16-08-2018 at 03.00 PM, in the tender opening room.

After consideration by Store Purchase Committee following modification (deletions/additions/replacements) additions for Tender Enquiry 24/Radiology/422/2018-Rish(Admn)" has been made.

**CRITERIA FOR WEIGHTAGE DURING TECHNICAL EVALUATION (MERIT POINT SYSTEM):**

The following merit point system for weighing evaluation factors/ criteria will be applied for technical proposals. Minimum qualifying score is 70 out of 100.

50% weightage will be given for the price bid and following formula will be applied for determining the value for money (vfm) for successful bidder (under the provision of para 1.6 of Ministry of Finance, Government of India Manual of procurement 2017).

$$B \equiv \frac{C_{low}}{C} X + \frac{T}{T_{high}} (1 - X)$$

where

- $C$  = Evaluated Proposal Price
- $C_{low}$  = the lowest of all Evaluated Proposal Prices among responsive Proposals
- $T$  = the total Technical Score awarded to the Proposal
- $T_{high}$  = the Technical Score achieved by the Proposal that was scored best among all responsive Proposals
- $X$  = weight for the Price as specified in the PDS

(B= vfm) (Source : page 18 of evaluation criteria published by world bank in July 2016).

There were representations from various vendors and following amendments along with quantitative evaluation criteria have been proposed.

**CRITERIA FOR WEIGHTAGE DURING TECHNICAL EVALUATION (MERIT POINT SYSTEM):**

The following merit point system for weighing evaluation factors/ criteria will be applied for technical proposals. Minimum qualifying score is 70 out of 100.

S NO.	PARAMETERS	MAXIMUM MARKS
1.	Number of installations of the said equipment in the government institutions in past three years. (two marks for each for a maximum of five installations) Atleast one should be institute of national importance	10 + 5
2.	Certification of satisfactory performance of installation in last three years from head of institution or designated authority by him/her (minimum two, 5 mark for each)	10
3.	Product certification	10

	ISO certification - 4 USFDA Certification - 3 CE Certification - 3	
4.	No litigation with the Procuring Agency/Govt. Dept.	5
5.	Compliance with technical specifications (a) Fully compliant-10 (b) Minor deviation- Compliant with minor deviation (upto 10% subject to main function is not affected)-5	10
6.	Elastography (a) Real time shear wave Curved probe-5 Linear probe- 5 Endocavitatory-5 (b) Strain- 5	20
7.	Fusion imaging CT/PET compatible- 5 MR compatible-5 Needle tracking-5 Real time-5	20
8.	Contrast package	10
	<b>TOTAL</b>	<b>100</b>

S No	Specifications in tender	Amendments
1	<b>Point number 1-</b> Real time 4D/ 5D, Intracavitary applications like Transvaginal & Transrectal, & Intraoperative applications, Tissue elastography, contrast etc.	<b>To be read as</b> 3D/ 4D Intracavitary applications like Transvaginal & Transrectal, & Intraoperative applications, Tissue elastography, contrast etc.
2	<b>Point number 16-</b> System should have Cineloop review facility in individual and mixed modes with memory upto minimum of 2000 images and 100 seconds of M Mode data.	System should have Cineloop review facility in individual and mixed modes with memory upto minimum of 2000 images and 30 seconds of M Mode data
3	<b>Point number 30-</b> System should offer real time extended field of view Imaging (Panoramic imaging) up to 100 cm with curved and linear transducers. All grayscale imaging must be capable of real time spatial Compounding during the panoramic imaging.	System should offer real time extended field of view Imaging (Panoramic Imaging) up to 60cm with linear transducers. All grayscale imaging must be capable of real time spatial Compounding during the panoramic imaging allowing the user to perform area,

		circumference, distance and curved- linear distance measurements
4	<p><b>Point number 42-</b> The System Should have advanced Contrast Package available:</p> <ul style="list-style-type: none"> <li>i. During contrast examination the system should be able to Display Wash In, retention and wash out information in the lesion with Time intensity curves.</li> <li>ii. The system should offer user selectable tint maps to allow enhanced visual conspicuity of contrast agent.</li> <li>iii. The System should have Contrast Quantification package so that it able to measure the arrival time of contrast agent at any point of time.</li> <li>iv. The system shall provide a toolbox of at least five contrast imaging technologies: <ul style="list-style-type: none"> <li>a) Detection of the fundamental response of the CM</li> <li>b) Detection of the harmonic response of the CM</li> <li>c) Agent destruction imaging</li> <li>d) Contrast capture imaging</li> <li>e) Micro-bubble destruction Imaging</li> </ul> </li> </ul>	<p>The system should support advanced contrast package available:</p> <p>During contrast examination the system should be able to display wash in, retention and wash out information in the lesion with time intensity curve.</p> <p>The system should offer user selectable tint maps to allow enhanced visual conspicuity of contrast agent.</p> <p>The system should have contrast quantification package so that it is able to measure the arrival time of contrast agent at any point of time. Should offer low MI contrast agent imaging techniques and provides highly sensitive agent detection with outstanding enhancement information.</p>

	<p>v. The system should have contrast imaging package with Contrast Harmonic and Quantification.</p> <p>vi. Contrast Pulse Sequencing (CPS) &amp; Contrast Harmonic Imaging (CHI) Switching between Contrast Modes should be possible.</p>	
5	<b>Point number 41(iii)</b> Elastography should be Velocity based, The System should be able to measure real-time the Stiffness of Tissue and Compare with Normal Tissue, and Ratio should be calculated between Reference Tissue vs Target Tissue.	Elastography should be Velocity based, The System should be able to measure Stiffness (if possible real time) of Tissue and Compare with Normal Tissue, and Ratio should be calculated between Reference Tissue vs Target Tissue.
6	<b>Point number 41 (x)</b> Maximum Shear wave velocity 10m/s; Minimum Depth shear-wave imaging should be 16cm; Minimum depth shear-wave quantification should be 8cm.	Maximum Shear wave velocity 10m/s- <b><u>to be deleted.</u></b> Minimum Depth shear-wave imaging should be > or equal to 8cm; Minimum depth shear-wave quantification should be 8cm.
7	<b>Point number 41 (i)</b> Convex probe, linear probe and Endocavitary probes Should Support shear wave elastography for all applications including Prostate Elastography. Necessary Software should be Built in.	<b><u>To be read as</u></b> Convex probe, linear probe and or Endocavitary probes should support shear wave elastography for all applications. Necessary Software should be Built in.

- **Additional point- existing USG room would require partial turnkey for ergonomic layout/aesthetic get up.**