

13-01-2020

Amendment No. 01**Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry HITES/PCD/PMSSY-IV/10/URLG/19-20 dated 08-01-2020**

The following items are added to the tender enquiry document referred above:

**Section I
Notice Inviting Tender**

Sch. No.	Tender ID	Short Description of goods	QTY (Nos.)	Bid Security (EMD) (₹)	Tender Processing Fee incl. GST (₹)	Date & Time of Pre-bid Meeting
18	2020_HLL_39585_18	Ultrasound for Urology Applications	10	20,00,000	8,850.00	16-01-2020 & 14:00

**Section VI
List of Requirement**

Sch. No.	Tender ID	Short Description of goods	QTY (Nos.)	Warranty	CMC
18	2020_HLL_39585_18	Ultrasound for Urology Applications	10	5 Years	5 Years

**Section VII
Technical Specification****Item Sl. No. 18****Ultrasound for Urology Applications (Tender ID. 2020 HLL 39585 18)****Ultrasound for Urology Applications**

- Should have Ultra High Resolution Imaging and Doppler for Clinical Needs.
- Should have short boot time not more than 20 seconds.
- Should have graphic processing unit for faster work process.
- Should have speckle reduction technology for enhancing tissue margins for better anatomical visualization and to improve better organ anatomy from different angles.
- Should have optimization of ultrasound image formation by using multi channel synthesis technology to reduce noise and artifacts.
- System should have picture in picture facility for integration with other imaging equipment in the OR.
- 19" flat panel monitor should have swivel facility.
- Should have back illuminated keyboard for easy access.
- Control panel should be sealed and spill proof for easy cleaning and disinfection
- Should have height adjustable mechanism with control panel.
- Should have facility to compensate the motion related imaging artifacts.
- Should have technology to maintain auto focus for entire imaging depth.

13. System should have auto axial and lateral gain facility.
14. Should have DICOM capabilities.
15. Should have Wifi capabilities.
16. Should have an internal hard drive to store images.
17. CD /DVD writer and USB Flash memory drive should be the part of the system optionally.
18. Should be of latest generation digital beam former technology.
19. Imaging Modes: System should have following modes:
 - a. B mode
 - b. M Mode
 - c. Color Doppler
 - d. Power Doppler
 - e. Pulsed Wave Doppler
 - f. Continuous Wave Doppler
 - g. Tissue Harmonic Imaging
 - h. Contrast Imaging
 - i. Elastography
20. In Doppler mode, system should have technology to detect high flow in ROI and place Doppler gates automatically and should provide angle independent doppler velocity measurements.
21. Should have facility to connect at least four transducers.
22. Transducer should have pin less connector for easy insertion and to reduce noise.
23. Transducers should have programmable start and stop buttons.
24. All transducers should be fully immersible for easy sterilization and also compatible with standard sterilization methods like Sterrad and Steris systems.
25. Should be Upgradable to MR fusion , T/R and T/P.
26. The system should be BIS/USFDA/European CE with 4 digit notified body approved.
27. The following transducers are to be supplied along with the scanner:
 - a. 2-6MHz convex abdominal transducer with an Autoclavable puncture attachment
 - b. 4-12 MHz trans rectal probe with simultaneous biplane imaging facility to visualise sagittal as well as transverse plane of prostate. The same probe should have end fire array for scanning the apical areas of the prostate with puncture attachment
28. On line UPS should be provide with at least 15 minutes power backup.
29. All parts including transducer, UPS should be covered in Warranty and CMC.
30. Should be compatible with multi frequency convex array robotic drop in transducer for robot assisted partial nephrectomy.

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

- i. **Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**