

**Corrigendum**  
**In tender document**  
**Tender Enquiry No. 24/Neuro/291/2017-Rish(Admn)**

Dated: 18-05-2018

As per schedule, Pre- Bid meeting of "Tender for Ultrasound & Transcranial Doppler for Department of Neurosurgery" was held on 19-01-2018 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/Neuro/291/2017-Rish(Admn) has been made.

**First line of page no. 18: -**

**For: -** USFDA and ECE approved Ultrasonography machine with Four Channel Transcranial Doppler capable of Intracranial, extra cranial, peripheral and **Intraoperative** use.

**Read as:-** USFDA and ECE approved Ultrasonography machine with two to Four (2-4) Channel Transcranial Doppler capable of Intracranial, extra cranial, peripheral and **Intraoperative** use.

**Point Sr no 2 at page no. 18: -**

**For: -** Should be supplied with two MHz PW probes (2 Nos.) for bilateral Intracranial Monitoring.

**Read as: -** Should be supplied with 2 MHz PW probes (2 nos) for Trans cranial Monitoring.

**Point Sr no 3 at page no. 18:**

**For:-** Should be supplied with 4 MHz (1 No) for extra cranial monitoring

**Read as:- 4a-** 5-10MHz multi frequency micro convex transducer with small foot print suitable for scans after craniotomy. Should be compatible with all modern sterilization methods like, immersion, ETO and Sterrad. Should have biopsy attachment facility.

**4b** - 5-10 MHz Burr Hole transducer, with contact surface small foot print. Should fit in burr hole to be utilised during ventricular taping/shunt placement and spine studies. Should be compatible with all modern sterilization methods like, immersion, ETO and Sterrad. Should have biopsy attachment facility.

**Point Sr no 4 at page no.18:-**

**For: -** Should be supplied with 8 MHz (1 No) for peripheral monitoring and with 16 MHz (1 No) for intra operative monitoring

**Read as: -** Should be supplied with high frequency intraoperative linear array probe with very small footprint with frequency range from 10-20 MHz for for HIFU cases like approaching intradural legions in Neurosurgery.

Or

6 to 15 MHz High frequency intra operative linear array transducer with deflectable tip. Should be compatible with all modern methods like, immersion, ETO and Sterrad. Should have biopsy attachment facility sterilization

**If the bidder has some different probes - they can quote their product with most suitable probes for neurosurgical intraoperative use. In such scenario a live demonstration may be asked for, if required.**

**Point Sr no 8 at page no. 18: -**

**For:** - Should have automatic emboli detection with real time histogram of HITS Energy distribution.

**Read as:** - Should preferably have automatic emboli detection with real time histogram of HITS Energy distribution.

**Point Sr no 9 at page no. 18: -**

**Original:** - Should have user-definable defaults for individual blood vessels

**Read as:** - Should preferably have user-definable defaults for individual blood vessels

**Point Sr no 16 at page no. 18.-**

**For:** - Should have ability to change spectrum display size from 2.5s to 1 min.

**Read as:** - Should have ability to change spectrum display size from 2.5s to 30 sec or better

**Point Sr no 18 at page no. 18**

**For:** - Should be able to display pulsed wave parameters like peak velocity, mean velocity, diastolic velocity, palatability index, resistivity index, standard deviation, heart rate

**Read as:-** Should be able to display pulsed wave parameters like peak velocity, mean velocity, diastolic velocity, palatability index, resistivity index, standard deviation, heart rate, lindegaard ratio

**Point Sr no 24 at page no. 19: -**

**For:** - The data can be exported to any display in either excel or BMP format.

**Read as:-**The data can be exported to any display in either excel, PDF, screen capture, Movie for presentation or raw data format. Give details.

**Point Sr no 27 at page no. 19:-**

**For:-** Essential accessories to be provided for first 50 cases- no accessory would be purchased separately

**Read as:** - Essential accessories to be provided for first 50 cases, eg (but not limited to) at least 100 sterile endoscope drapes for covering probe and cables for intraoperative use assuming two types of probes used in a single cranial case, jelly etc - no accessory would be purchased separately.

**Following points are being added: -**

35. System should have the capability to support transfer of images to a USB flash memory drive. Should have an internal hard drive to store images. Give storage details. CD writer and/or USB Flash memory drive 3.0 should integral part of the system. A compatible B&W printer should be supplied

36. Transducers should be compatible to sterilization by immersion.
37. Should supply biopsy attachments to the transducers.
38. Should comply with IEC standards
39. Should have the following modes: B, M, C, Power Doppler, D mode and Tissue harmonic imaging
40. 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
41. Should have the following combination modes: B+M, B+C, B+Doppler, B+C+D (Triplex)
42. System should be preferably be compatible/Should be able to communicate in digital format with leading navigation systems like Brain lab/Medtronic/Stryker, should be quoted with required software for integration, if any
- 43. The compliance statement should state exact features/technical details of quoted system and should not use words like merely “yes” or “complied”. Bids having a compliance statement without exact details of system and will not be evaluated.**
- 44. A live demo may be required in which product will be retained for a week or so for use inside**  
**OR.**