



Date: - 31st October, 2017

Corrigendum
For
Tender for
4 D Echo Machine with TEE Probe for Adult and
Pediatric High Echo Cardiology System for the
Department of Cardiothoracic Surgery

NIT Issue Date	: 15 th September, 2017
NIT No.	: Admn/Tender/182/2017-AIIMS.JDH
Pre-Bid Meeting	: 27 th September, 2017 at 04:15 PM
Earlier Last Date of Submission	: 26 th October, 2017 at 03:00 PM
Last Date of Submission	: 15 th November, 2017 at 03:00 PM
Bid opening	: 16 th November, 2017 at 03:30 P.M

The following revised and additional specification will be added:-

1. Page No. 12, Point No. 20:

For

Should be provided with (One Each of) :

1. Adult transthoracic 2 D probe {Phased array matrix transducer with Frequency ranging from $1-5 \pm 1$ MHz, of Single crystal or Pure Wave technology (System offered with normal transducer for Adult ECHO are liable for rejection)},
2. Adult Transthoracic 3 D probe Phase Array matrix Transducer with Frequency ranging from $1-5 \pm 1$ MHz,
3. **Paediatric Transthoracic 2 D probe,**
4. Adult Transesophageal 3 D probe,
5. Paediatric Transesophageal 2D probe ,
6. Epi-aortic probe, vascular probe {Linear Array Matrix transducer with Frequency of 5-15 MHz}.
7. **Linear array Probe with frequency ranging from $4-11 \pm 2$ Mhz. for Peripheral vascular**

Read

Should be provided with (One Each of):

1. Adult transthoracic 2 D probe {Phased array matrix transducer with Frequency ranging from $1-5 \pm 1$ MHz, of Single crystal or Pure Wave technology (System offered with normal transducer for Adult ECHO are liable for rejection)},
2. Adult Transthoracic 3 D probe Phase Array matrix Transducer with Frequency ranging from $1-5 \pm 1$ MHz,
3. Paediatric Transthoracic 2 D probe,

4. Adult Transoesophageal 3 D probe,
5. Paediatric Transoesophageal 2D probe ,
6. Epi-aortic probe, vascular probe {Linear Array Matrix transducer with Frequency of **5-15 ±2 MHz**}.
7. Linear array Probe with frequency ranging from 4-11 ±2 Mhz. for Peripheral vascular

2. Page No. 11, Point No. 20:

For

System should provide with-

- a.) Latest PC of Apple or equivalent brand (off-line licensed workstation) with minimum 2TB Hard drive, 2x8 GB DDR 3 RAM, Intel i7- 3.5 GHz or higher processor, Two serial port, Minimum 4 USB port, Inbuilt Bluetooth & Wi-Fi, 24" Touch screen LED Monitor, Keyboard, mouse, 10 or latest Windows professional or equivalent, licensed software for analyzing and quantification of 2D and 3D data sets, CD/DVD writer with Image Management Software and High End colour laser Printer with auto duplexing should be supplied. PC should be supplied with the licensed software to work on the below features.
 - i. Strain and Strain rate imaging.
 - ii. Semi-Automated Border Detection.
 - iii. Tissue Motion Annular Displacement.
 - iv. Mitral Valve 3D data sets
 - v. 2D speckle tracking
(any other Hardware essential for OFFLINE Quantification)
- b.) Latest B/W Thermal Printer.
- c.) Two 3KVA online UPS with a backup of 30 min minimum, from APC or Emerson brand
- d.) One Mac OS Laptop with 512 GB or more hard drive. This should be supplied with the licensed software (if required option for dual boot should be provided) to work on the below features.
 - i. Strain and Strain rate imaging.
 - ii. Semi-Automated Border Detection.
 - iii. Tissue Motion Annular Displacement.
 - iv. Mitral Valve 3D data sets
 - v. 2D speckle tracking (any other Hardware essential for OFFLINE Quantification)
- e.) ECG cable: two in numbers

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System should provide with-

- a.) **Latest PC of Apple (off-line licensed workstation) with** minimum 2TB Hard drive, 2x8 GB DDR 3 RAM, Intel i7- 3.5 GHz or higher processor, Two serial port, Minimum 4 USB port, Inbuilt Bluetooth & Wi-Fi, 24" Touch screen LED Monitor, Keyboard, mouse, 10 or latest Windows professional or equivalent, licensed software for analyzing and quantification of 2D and 3D data sets, CD/DVD writer with Image Management Software and High End colour laser Printer with auto duplexing should be supplied. PC should be supplied with the licensed software to work on the below features.
 - i. Strain and Strain rate imaging.
 - ii. Semi-Automated Border Detection.
 - iii. Tissue Motion Annular Displacement.
 - iv. Mitral Valve 3D data sets
 - v. 2D speckle tracking
(any other Hardware essential for OFFLINE Quantification)
- b.) Latest B/W Thermal Printer.
- c.) Two 3KVA online UPS with a backup of 30 min minimum, from APC or Emerson brand
- d.) One Mac OS Laptop with 512 GB or more hard drive with **Optical CD/DVD Drive** This should be supplied with the licensed software (**dual boot with Licenced**

Latest Windows professional with Office Professional software should be provided)to work on the below features.

- i. Strain and Strain rate imaging.
- ii. Semi-Automated Border Detection.
- iii. Tissue Motion Annular Displacement.
- iv. Mitral Valve 3D data sets
- v. 2D speckle tracking (any other Hardware essential for OFFLINE Quantification)
- e.) ECG cable: two in numbers

3. Page No. 13 Point No. 27:

For

Other requirements

- 1 Availability of spares to be ensured for minimum 10 years period
2. Working Demonstration is must after installation.
3. Two good quality, branded increased height chairs (revolving with back rest) to be provided for the echo-cardiographer.
4. There should be one high quality large size table of reputed brand (eg. Godrej, etc.) to keep Workstation (computer & printer).
5. 50 rolls of thermal paper to be provided for thermal printer.
6. Colour Print Paper- 500 sheets
7. One set of Color laser printer (compatible) cartridges, in addition to the supplied with printer.

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- 4. There should be one high quality large size table of Godrej Brand to keep Workstation (computer & printer).**
5. 50 rolls of thermal paper to be provided for thermal printer.
6. Colour Print **Glaze** Paper- 500 sheets
7. One set of Color laser printer (compatible) cartridges, in addition to the supplied with printer.