DR. BHUBANESWAR BOROOAH CANCER INSTITUTE

PROCUREMENT DEPARTMENT

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ITEM DESCRIPTION : CORRIGENDUM FOR "2D ECHO AND COLOR DOPPLER MACHINE"

GEM BID NO : GEM/2024/B/5061657

Sr. No	Seller Query/Representation	Response
1.	Frame rate should be 1400 Storage should be 500 GB TEE and 3d wall motion analysis should be added	**Point 8:** Accepted. Read as, System must be offered with an 2D frame rate of at least 900 frames/second or better. **Point 17:** Accepted. Read as, Should have a built in digital archival system for image storage and archival with reporting facilities. Should have internal HDD for storage of 256 GB or more, the images should be stored and analyzed with true frame rates, extensive post processing, re-measurement, analysis, generation of new reports. CD/DVD RD/WR, USB drives should be available. **Point 21:** No change. Upgradation to 3D TEE possibility is already asked.
2.	Sir, since you have asked for the latest technology machine, we request inclusion/ alteration of followings so that all bidders remain in parity and on the same platform. 1) Point no 8: JUSTIFICATION: Please ask for better frame rate of 1400 or more. This will create better image resolution. 2) Point 17: JUSTIFICATION: Since yours is a very busy institute and often requires clinical comparison between previously stored image and current images, please increase the storage from 100 Gb to at least 500 Gb. 3) Point: 21 JUSTIFICATION: Please amend 3d/4d imaging to Tee and 3d wall motion analysis for better and advanced technology.	Same as above points.
3.	Point No. 4: Please amend "System should have high resolution, flicker free large 12 inch or more TFT LCD/LED (preferred)" - With reference to monitors of 15 inches, effective scan area remains comparable for color Doppler systems irrespective of overall size of display. In fact, optimized size of display is a tradeoff for good battery back-up and for easy mobility of system. Please amend as requirement is Portable ultrasound machine.	**Point 4:** No change. 15" Inch monitor is least required for better visualization & workflow.
4.	Point No. 5 : "The system should have 2D, M-Mode, Color Flow, Pulse wave doppler, continuous wave doppler and color power doppler modes" - Please omit "directional" for wider participation.	**Point 5:** No change.
5.	Point No. 8: "System must be offered with an 2D frame rate of at least 150 frames/second" - Please amend for wider participation.	Already Changed.

6.	Point No. 13: "Please omit this point for wider participation".	No Change.
7.	Point No. 17: "Should have a built-in digital archival system for image storage and archival with reporting facilities. Should have an internal HDD for storage of 100-120 GB/ 16 GB flash memory, the image should be stored and analyzed, measurement, analysis, generation of new report. CD/DVD RD/WR/USB drives should be available." - Internal Flash card memory is reliable and prevents the system from mechanical vibrations, virus attack & not prone to failure. Also, 16 GB flash card memory is enough to store 60000 images as well so please amend for wider participation. CDR/DVD media has gone obsolete now a day's technology. USB port availability is another convenient way for easy & quick data transfer.	No Change.
8.	Point No. 20: "Should be directly compatible with B/W Thermal printer / color Inkjet printers." - Please amend for wider participation.	No Change.
9.	Point No. 21: "System should be upgradable to TEE." - Please amend for wider participation.	No Change.
10.	Point No. 23: "System must be offered with a minimum of 200000 digital processed channels / 128 physical channel." - Please amend as different manufacturers use misleading formulas for digital channels calculation which varies from model to model & bears no proven clinical significance. Physical channels are the more authenticated way to analyze actual ultrasound system than performance, so please amend this point for wider participation.	No Change.
11.	Probes: "(a) 1.5-3.5 MHz or better Adult Cardiac transducer. (b) 3-8 MHz (+/- 1 MHz) or better pediatric cardiac transducer." - Please amend as frequency ranges are slightly varies from Manufacturer to manufacturer.	No Change.
12.	Under ATC, Point 27 (a) and 27 (b) is company specific. Only one vendor has it. For wider participation, Point 27(a) should be 1-5 MHz or better adult cardiac single crystal transducer. Point 27 (b) should be 3-8 MHz pediatric cardiac transducer.	Point 27 (a) No change in Adult cardiac probe. Point 27(a) Changed, Read as, 3 - 8 MHz or better Pediatric Cardiac Matrix or pure wave transducers. (Single crystal/phased array/pure wave.)

26/7/24

Director

Dr. B. Borooah Cancer Institute