

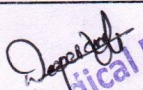
(प्रकाशित मिति २०८२-०२-२६ गते)

तपसिल

विनोद कुमार न्यौपाने
प्रमुख प्रशासकिय अधिकृत

Technical Specifications Colour Doppler USG Machine


S.No.	Tender Specifications(FY-2081/082) (Sundarharaincha Municipality)	Bidders Compliance Sheet		
	Colour Doppler usg Machine	Yes/No	Remarks	Page no in Caalig ue
	Colour Doppler USG Machine :			
	Manufacturer:			
	Brand:			
	Make/model:			
	Country of origin:			
(I)	System should be following features:			
1	21" or more high-resolution Color LED with resolution of 1,920 x 1,080 and with articulating freely mobile arm for up/down side to side movement.			
2	10" or more LED Touch pad with resolution of 1,280 x 800 for better user control.			
3	System Should have min. 850,000 of processing channels or above.			
4	System must have an acquisition frame rate in 2D of min. 2000 frames/sec.			
5	System Should have higher Dynamic range 256db and above.			
6	Minimum 4 active probe ports with capability of connecting any of the probes in any port .			
7	System should support Frequency range between approx.1Mhz to 16MHz.			
8	Maximum Scanning depth should be 38 CM			
9	Must have fully Digital TGC.			
10	System should have upgradability option for structured reporting of Breast lesion using BIRADS scoring.			
11	System should have Biometry Assist Software			
13	System can able to adjust the height up/down features			
14	System should have min. ten parameter for minimize the noise reduction technique for better resolution			


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15	System should have advance function with a single key which can able to adjust the 2D resolution and auto Doppler adjustment without manipulating baseline, scale etc.			
16	Dual Live Mode Should support in the following mode of operation. - B+B, B+B/C, B+B/PD, B+B/S-Flow - B+ElastoScan			
(II)	Imaging Modes			
1	B, 2B, 4B, M, CDI, CW, PWD, PDI, Dual live			
2	System should have cine memory of at 500 MB with image storage of 45,000 frames and Cine Loop of 14,000 lines..			
3	One button on control panel for speckle reduction imaging for soft and smooth image quality with variable values/steps.			
4	One button on control panel for optimization of both image quality.			
5	One button on control panel for optimization of color Doppler.			
6	One touch on the touch panel to select the most common transducer and preset combination. At least 4 quick touch preset can be selectable with different probe application			
7.	User Programmable Preset			
8.	User Programmable control panel Keys, as minimum four control panel key can be customizable for user comfort.			
9.	System should have Anatomical M- Mode features			
10	Should have min. 4 no. of focus and 5 steps of frequency that can be selectable for different application preset.			
11.	Chroma Map & Gray Map can be selectable upto 11 steps for different viewing resolution of 2D image			
(III)	PRF should be upto approx.19 KHz.			
1	Auto calculation for Doppler tracing on real time and post freeze.			
2	Pan Zoom and HD zoom facility on real time and post freeze upto 8 times or more			
3	Power Doppler and bidirectional color flow with HD Flow.			


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1	Auto calculation for Doppler tracing on real time and post freeze.			
2	Pan Zoom and HD zoom facility on real time and post freeze upto 8 times or more			
3	Power Doppler and bidirectional color flow with HD Flow.			
4	General measurements and calculations and report format for Abdomen, Obstetrics, Gynaecology, Cardiac, Pelvis and Prostate.			
5	Annotation and directory of word.			
6	Minimum 5 or more USB Port			
7	System should have 8GB of RAM and Inbuilt SSD of 512 GB , capable of storing 3, 50,000 images.			
(IV)	Special Imaging Features:			
1	Tissue Harmonic Imaging			
2	Trapezoid Imaging on linear Probe			
3	Steering upto approx. 20 degree independent of B Mode/PW on linear probe.			
(V)	Must Provide:			
1	Full screen zoom			
2	Adaptive Color Doppler			
(VI)	Advanced upgradability should be available for future up-grade (Bidders are requested to offer their price in separate sheet for below). Also, please clearly highlighted for the same software in datasheet			


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1	a) 4D Package, b) 2D NT c) Nerve Track d) 5D NT measurement e) 5D follicle f) 3MHz to 16 MHz Hockey Stick Linear probe for MSK Scanning. g) single crystal convex probe h) Cardiac Package			
2.	Advanced Software of volume follicle with 4D Endocavity Probe, please mentioned the frequency for the same probe.			
3	Strain Based Elastography for Breast & Thyroid.			
(VII)	Probe Details :			
1	All probes should have broad band/wide band technology, ultra-light weight with small foot print.			
(VIII)	One Set of Probe			
1	Convex Probe with approx. 2 MHz to 8 MHz.			
2	Linear probe with approx. 3 MHz to 16 MHz			
3	TVS Probe with approx. 4 MHz to 9 MHz			
(IX)	Accessories:			
1	Digital B/W thermal paper printer.			
2	Should provide online UPS providing 30 mins battery backup			
(IX)	Other terms and conditions			
1	should submit CE and US FDA approved product certificates.			
2	Must Submit ISO certificates for the Medical Devices.			
3	The system model must be installed at least 3 different sites and must submit along with the Service and Installation Satisfactory Letter from the Purchasers.			

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(X)	warranty			
1	Comprehensive warranty for 2 years after acceptance.			
(XI)	Maintenance Service During Warranty Period			
1	Preventive and corrective maintenance services during warranty period shall be included.			
(XII)	Installation and Commissioning			
	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be			
	communicated to the purchaser in advance, in detail.			
(XIII)	Documentation			
1	The bidder should submit a valid authorization from the manufacturer for the specific tender.			
2	The bidder should submit the original brochure or e-copy.			
3	User (Operating) Service (Technical / Maintenance) manual in English			
4	The same Model system must be installed at least 3 sites and must submit along with service and installation satisfactory letter from the purchasers.			


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