वी.पी. कोईराला स्वास्थ्य बिज्ञान प्रतिष्ठान, धरानको

कोटेशन माग गरिएको सुचना

(सुचना प्रकाशित मिति २०८०/०३/०६), (पुन: सुचना प्रकाशित मिति २०८०/०३/१८)

(पुन: सुचना प्रकाशित मिति २०८०/०३/२८)

यस प्रतिष्ठानलाई आवश्यक तपशिलका उल्लेखित **High End Uultasound Machine** खरिद गर्नुपर्ने भएकोले इजाजत प्राप्त प्रतिष्ठानमा सुचिकृत फर्म, संस्था, कम्पनीबाट अद्यावधिक फर्म दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व.२०७८/०७९ को कर चुक्ताको प्रमाणपत्र, आधिकारिक बिक्रेताको प्रमाणपत्र प्रतिहरु संलग्न गरी यो सुचना प्रकाशित मितिले ११ दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्यादभित्र प्रतिष्ठानको दर्ता चलानी फांटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.edu मा email मार्फत पेश गर्नुपर्नेछ ।

SN.	Product Name	Qty.	Unit
1	**High End Uultasound Machine**	1	Set

Technical Specifications of High End Ultrasound Machine				
SN.	**Purchasers Specification**	**Bidders Compliance sheet**		
	High End Ultrasound Machine	**Yes/No**	**Page no. in Datasheet**	**Remarks**
	Manufacturer:			
	Brand			
	Country of Origin :			
	Type/ Model No.:			
	Purchaser's Specification			
	Description of Function			
1	A fully Digital Color Doppler Ultrasound DICOM compatible imaging system, with capability of High definition dynamic Tissue Harmonic Imaging, speckle reduction techniques and superior frame rate beam formers for general imaging. Advanced Intelligence software package should be upgradable in future.			
	Operational Requirements			
2	It shall operate on AC power Supply			
	System Configurations:			
3	Latest Make after 2021			
4	Color Doppler USG System :1 Unit			
5	Convex Probe:1 unit			
6	Linear Probe:1 Unit			
7	Endocavity Probe: 1 Unit			
8	System should have Tissue Harmonic Imaging, Spatial Compound Imaging, Pulse Inversion Harmonic Imaging, Trapezoidal Imaging, Quad Imaging, Dual Imaging, 2D Live Imaging and PW Doppler Adjustment.			

9	System should have extended field of view.			
10	The system should have minimum 500,000 digitally processing channel			
11	The system monitor should be minimum 23" LED with Flexible Arm with Display matrix minimum 1920 * 1080 resolution monitor with wide viewing angle and able to move monitor up/down, swivel.			
12	The freely fully programmable, mode-sensitive color Touch command should be minimum 13" size with High Resolution Display minimum of 1920 * 1080 and should be Tablet mode operation enable direct access to all basic and advanced system			
13	System should have built in Image Management Software, for offline application when patient has gone after examination, such as Image Manipulation. It should have hard disk memory of 1 TB or more with built in CD/DVD read write.			
14	System must have inbuilt gel warmer.			
15	System should have facility for real time or frozen, pan or point zoom.			
16	The system panel height should be adjusted according to the user comfort			
17	The panel should be Swivel and In/Out Control for Maximum User Comport.			
18	All the transducers are broadband with multi frequency capability.			
19	System Depth should be up to 40cm			
20	The system should have High Dynamic range of 240 db or more. Higher Dynamic range will be Preferred.			
21	System must be offered with 2D Frame Rate frame rate should be more than 1300 frames/second.			
22	System should have One key Image Optimization for B, Color, Power, PW images.			
23	Cine Memory with image storage of 40,000 frames must be available.			
24	The system shall be capable of providing the following scan/display modes:- a. B, 2B, 4B, M mode, Color M mode. b. Power Doppler Imaging, Directional Power Doppler Imaging. c. Pulsed Wave Doppler Imaging.			
25	System should have minimum 4 Universal Active Sockets with electronic switching facility from Keyboard without probe adaptor			
26	The System should have Tissue Harmonic Imaging for Better			

	Contrast and Less Artifact			
27	System should have Needle Visualization enhancement software.			
28	System Should have inbuilt HDD of 1 TB or above.			
29	The System should have Lateral Gain Compensation adjustment.			
30	The system should have a fast boot up time of less than 100 seconds, when switched on from 'OFF' position, and also less than 30 seconds from 'STANDBY' position.			
31	The System should have Directional Power Doppler Imaging mode.			
32	A complete range of measurement and calculation packages for general and specific application, including Abdomen, Obstetrics, Gynecology, Cardiology, musculoskeletal, Small parts, Superficial parts, Vascular, Urology, Breast and Pediatrics etc. must be available.			
33	System should have Automatic measurements Software for BPD, FL, HC, AC and OFD			
34	System should have Panoramic view imaging package.			
35	System should have built-in battery backup at least 60 min. or more backup for Continuous Scanning.			
36	System should be compact enough to transport within the hospital along with wheel locking mechanism.			
37	Should be DICOM 3 compliant			
38	System should have S-Video, HDMI, VGA, USB and Audio Output with provision for storage of Images & Transfer to External Devices & PC with wired networks.			
39	System should come with DVDRW, USB Ports, and Ethernet Port and should direct connectivity to Laser/ Thermal Printer for Printing Images & Reports.			
40	The System must have Shear wave Elastography for Liver, Breast, Thyroid and MSK available in Convex probe and Linear Probe with Quantification. The technology should be clearly mentioned in the Technical Datasheet of the Quoted Model.			
41	System should have Strain Elastography feature available for Linear Probe in standard.			
42	The system should have features of up-gradable features of Fusion Imaging with respiratory compensation which allows real-time ultrasound side by side with pre-loaded CT/MRI data to locate lesions while doing invasive procedures. It should provide fast and easy comparison of previously identified organ and pathology combined with real time ultrasound.			
	Accessories, Spare Parts and Consumables			
43	Following Probes and Local Accessories should be supplied along			

	with system:			
44	**Convex Probe** with Band Width of 2 MHz to 6 MHz for abdominal, Obstetrics and Gynecology application. Quoted Probe should support Shear Wave Elastography function with Quantification.			
45	**Linear probe** with Bandwidth of 5 MHz to 13MHz for vascular, MSK, Nerve and small parts application. Quoted Probe should support Shear Wave Elastography function			
46	**Endocavity probe** with Bandwidth of 5MHz to 13 MHz for Obs, Gyn & Urology.			
	Accessories & Spare Parts			
47	All standard accessories / consumables / parts & Maintenance tools etc required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Forms			
48	Machine must have; A. Convex Probe: 1 No B. Linear Probe: 1 No C. Endocavity Probe: 1 No D. B/W Thermal Printer: 1 No E. Printer Thermal Paper: 5 Rolls. F. Power Cable: 1 No G. USG Probe Gel: 5 Nos. H. Machine Cover: 1 No. I. 3 KVA Online UPS system-1 No			
	Operating Environment			
49	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 meters in length.			
	Standards & Safety Requirements			
50	The unit should be CE marked to European medical devices directive and US FDA certificates must be valid.			
	User Training			
51	Onsite repair & maintenance training and operational training to the Hospital's Biomedical Engineer, Biomedical technicians and users.			
	Warranty			
52	Should have 5 years complete parts & service Warranty from the date of complete installation			
	Maintenance Service During Warranty Period			
53	During the warranty period supplier must ensure 3-4 preventive maintenance and visit for PM.			
	Maintenance Service During Warranty Period			

54	During the warranty period supplier must ensure Planned Preventive Maintenance (PPM) and corrective/breakdown maintenance whenever required.			
55	Supplier must perform 3-4 PPM per year or at least 1 PPM in each 3 Months.			
	Installation and Commissioning			
56	Supplier must accomplish proper delivery, installation & commissioning of equipment onsite in free of Cost.			
	Terms and Conditions			
57	The supplier must submit the original brochure or e-copy.			
58	The supplier should fill the technical tender form and clearly mention the manufacturer, model no., and country of origin/Made in, else technically will be disqualified.			
59	The bidder must submit a valid authorization from the manufacture.			
60	User & Service manual in English must be provided.			
61	Certificate of calibration and inspection from factory			
62	The machine supplied should be brand new with the date of manufacture mentioned and the country of the origin should be clearly mentioned.			
63	One (Hard and soft) copy of Serve & Operating manual in English for each set should be provided at the time if installation.			

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.