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मोबाइ नं. ९८५२६३५५६७
मोबाइ नं. ९८५२६३५७८९

प.सं. : २०८१/०८२
च.नं. :

भिडियो एक्स-रे(USG) मेशिन खरिद गर्ने सम्वन्धी सूचना

प्रथम पटक प्रकाशित मिति : २०८२/०२/३०

यस कार्यालयलाई आवश्यक पर्ने देहाय बमोजिमको भिडियो एक्स-रे(USG) मेशिन सार्वजनिक खरिद ऐन, २०६३ को दफा ८ को उपदफा (१) (क) (८) तथा सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१ (ख) बमोजिम भिडियो एक्स-रे(USG) मेशिन उत्पादक कम्पनी वा सो को आधिकारिक बिक्रेताहरु बिच मात्र प्रतिस्पर्धा गराउने (क्याटलग सपिङ्ग) विधिबाट खरिद गर्नु पर्ने भएकोले सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१ ख को उपनियम २ अनुसार देहाय बमोजिमको भिडियो एक्स-रे(USG) मेशिन बिक्री गर्न चाहने उत्पादक तथा आधिकारीक बिक्रेताले आ-आफ्नो उत्पादनको आधिकारीक स्पेसिफिकेसन, गुणस्तर, मुल्य र सुविधा सहितको विवरण (क्याटलग वा ब्रोसर) संलग्न राखि यो सूचना प्रकाशित भएको मितिले ७ दिनभित्र यस कार्यालयमा निवेदन दर्ता गर्न हुन सम्बन्धित उत्पादक वा आधिकारीक बिक्रेताको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ ।

आवश्यक भिडियो एक्स-रे(USG) मेशिनको विवरण

S.N	Type of USG	General Specification	Qty	Remark
1	Color Doppler Cart High End Type USG	High End Color Doppler Ultrasound Machine Cart type based with 2 transducers: Application type: Abdomen, Obs/ Gynae, Urology, Echo Cardio. Should have 3D & 4D mode.4 probe transducers port. Screen Size 21" or better along with screen touch size 13" or better. Sony Thermal printer. ISO, European CE or USFDA approved.	1	1

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डा. सिद्धार्थ कुमार ठाकुर
नि. निर्देशक

Technical Specification for High End USG machine with Color Doppler Trolley/Cart type (with 2 probes)

S.N	USG machine with color Doppler (with 2 probes)(Provincial Ayurbedic Hospital,lakhanpur)	Bidder's Offer
	Manufacturer	
	Brand	
	Type/ Model	
	Country of Origin	
1	Description of Functions	
1.1	A general purpose High end color Doppler ultrasound imaging system with fully digital trolley system machine.	
2	Operational Requirements	
2.1	It shall operate on AC power and should have inbuild battery for backup	
3	Technical Specification:	
3.1	System should have broad brand beam former capable of processing signals from 1-20MHz.	
3.2	System processing channels must be 7,50,000 or more	
3.3	System should incorporate facility for high resolution 2D M-mode PW (pulsed wave mode) Color Flow Imaging *Directional Color Power* imaging modes Tissue Harmonic Imaging. *Full Speckle Reduction imaging* Spatial Compound Imaging *Trapezoidal Imaging* Quad Imaging. Dual Imaging in Horizontal Split .Automatic PW Doppler Adjustment and Auto 2D Adjustment.	
3.4	The Machine should be compatible to 3D, 4D & D-Live mode and should provide specify data sheet	
3.5	System should have inbuilt battery system for power backup.	
3.6	System should have adjustable control panel (up/Down).	
3.7	System should have Needle Vision facility	
3.8	The system must have integrated high - resolution flat panel monitor of at least 21.5" inches or more with maximum viewing angle and provision to adjust height and side to side adjustment.	
3.9	Touch screen control panel at least 13"	
3.1	System should have at least 4 active probe connectors	
3.11	It should be suitable for whole body scanning including abdomen, obs/gyn, cardiac, small parts and vascular applications in adults and pediatric patients. Multiple preloaded as well as user configurable application presets should be available.	
3.12	System Should have 8 TGC & Digital 8 LGC Control	

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3.13	Minimum grey scale resolution to be 256	
3.14	Control panel should have up & down movement	
3.15	System should be able to have a scanning depth at least 36cm or more.	
3.16	The system should to have a dynamic range of 250 decibels or more.	
3.17	System should have 2000 frames per second or more on 2D. 350 frames or more on color.	
3.18	The system should have gel warmer.	
3.19	The system should able to support broadband convex, linear, Transvaginal/ Endocavity probe, phased array / echo probes, micro convex probes and 4D probes	
3.2	The system should have panoramic, Auto IMT and Elastography.	
4	**Transducers:**	
4.1	Convex Abdominal probe with frequency range from 2 to 6 MHz with higher frame rate and deep penetration.	
4.2	Linear probe with frequency range from 4 to 13 MHz or better with higher frame rate and deep penetration.	
5	The system should have a high frame rate for image processing in B mode and color flow.	
6	Advance imaging software like full speckle reduction imaging, tissue harmonics, pulsed inversion harmonics should be available in the system for better image resolution	
7	The system should have an ergonomic full alphanumeric soft keys keyboard with easy access scans controls and trackball.	
8	The system should have inbuilt SSD and HDD of at least 500GB, Provision USB port should also be present.	
9	Imaging modes of real time 2D. Color Doppler, Pulsed wave Doppler and Power (energy) Doppler, Tissue Harmonic Imaging.	
10	Measurements for Doppler modes: Stenosis quantification in area percentage, diameter, PSV, EDV, Mean, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible. Complete Obs/ Gyn and cardiac echo measurement package should be available.	
11	**Accessories**	
11.1	B/W Thermal printer	
11.2	USG jelly- 2 bottles	
12	**Operating Environment**	
12.1	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug	
13	**Standards & Safety Requirements**	

13.1	Must submit IS013485: 2003/ AC: 2007 for Medical Devices AND	
13.2	CE (93/42EEC Directives) or USFDA approved product certificate.	
14	**User Training:**	
14.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly .The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.	
15	**Warranty**	
15.1	Comprehensive for 2 year from acceptance.	
16	**Maintenance Service During Warranty Period**	
16.1	During Warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.	