Appendix 6:- Schedule of Requirements

Technical Specifications

The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The TS, as a part of the schedule of Requirements (SR), constitute a Contract document and are, therefore, a part of the contract. The Purchaser must prepare the TS and include them as a part of the procurement document, as applicable to each Contract.

Technical Specification of Portable USG Machine with TVS Probe – 4 Unit

		Technical specification		
Name o	f the bidder:			
Manufacturer:				
Made in	1:			
Duna ia ali				
Brand:				
Type /N	lodel:			
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
S.N.	Purchaser's Required	Technical Specification	Bidder's Option	Catalogue
				page No.
1		ipment (without trolley) should be		
	within 6 kilograms.			
2	The machine should h	ave 3 probe connectivity		
3	The system must have	a dedicated cardiac calculation,		
	Gynecology, Obstetric	s, Urology and Abdomen related		
	software installed.			
4		ave pen drive connection for		
	storing images.			
5	Equipment should be able to give very high image			
	quality with advance technologies like compound			
		5 sights of lines for better contrast		
		erentiation and edge detection,		
	equivalent to high end	able to support speckle reduction		
6	1 ' '	ue differentiation and edge		
	enhancement.	ac afferentiation and eage		
7		ve both online (Read) as well as		
,	offline (Write) zoom fa			
8	· ·	l time 2D, Color Doppler, Power		
-	Doppler, Pulsed wave	Doppler, Continuous wave		

	Doppler (on cardiac transducers) and TDI must be		
	available.		
9	System must have a fast start up to scanning in less than 30 seconds from off condition, for use in critical and		
	emergency situations.		
10	System should support transducer technologies like		
	phased array, convex, linear, transesophageal		
	echocardiography Transcranial Doppler etc.		
11	Should have cine memory on all modes		
12	The system shall process a dynamic range that is at least		
	165 dB. The system must display at a maximum depth of		
	30 cm.		
13	The system must have dedicated cardiac calculation		
	packages with IVC collapse Ratio, Atrial volume, TAPSE,		
	Quick EF calculation, Access CO under LVOT VTI, PISA,		
	TDI calculation packages, Lung scan and vascular		
	calculations package and TCD software installed.		
14	The system shall provide Tissue Doppler (TD), Pulsed		
	Wave Doppler (PW), CW doppler mode as standard.		
15	Flat LCD/TFT monitor of at least 12 inches having anti		
	reflection coating with flicker free image and with		
	minimum 85 degrees up/down viewing angle.		
16	Alphanumeric soft keys backlit and splash resistant		
	silicon keypad with easy access scans controls, facility to		
	sanitize the system keyboard to avoid cross		
	contamination.		
17	The system must have the ability to function by AC/DC		
	or battery power with the same degree of functionality,		
	the battery life (run time) shall be at least two hours.		
18	The system must have archive capability for storage and		
	retrieval of images and clips for up to 200 patients.		
19	The unit must be sturdy, resistant to breakage and		
	damage on fall/hit against the wall or hard surface		
	including special safety feature of transducer cables		
	(armored cables).		
20	System should have software for Steep Needle Profiling		
	to Track the needle clearly at the steep angles during the		
	procedures while maintaining striking image quality of		
	the target structures and the surrounding anatomy with		
	simple On/Off functionality. This Facility should be		
	available on both high frequency linear and curvilinear		
	probes for superficial as well as deeper blocks.		
21	The system shall support all DICOM functionality,		
	Storage, print, and work list, also ready to connect to PACS.		

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22	Three transducers should be connectable at a same time		
	(Triple Transduce Connect, TTC) and can be switched		
	electronically.		
23	Transducers to be supplied as standard: 2-5 MHz multi-		
	frequency broadband convex transducer for general		
	abdominal and obstetric-gynae applications, 13-6 MHz		
	38 mm Linear array transducer for vascular access, small		
	parts, musculoskeletal applications, 5-1 MHz phased		
	array transducer for cardiac applications and TCD.		
24	The system must be supplied with a trolley for easy		
	portability incorporated with medical grade thermal		
	Printer.		
25	The system must be supplied with gel holder and		
25	transducer holder.		
	Terms and Conditio	ns '	
1	The unit should have valid USFDA certificate. The		
	supplier must submit 39 the original brochure or e-copy.		
2	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.		
3	If the technical team wants to examine physically		
	bidders should manage for demonstration of the		
	machine in our office. If the bidder can't demonstrate		
	the machine within the requested time, bid will be		
	automatically disqualified.		
4	The bidder must submit a valid authorization from the		
4	manufacture.		
5	Should have 3 years complete parts (Including Reusable		
5	accessories) & service warranty and additional 2 years'		
	service warranty from the date of complete installation		
	(delivery & Installation of machine of all the items as per		
	tender).		
6	Operational training to the Marie stopes Center's		
	Biomedical Engineer, Biomedical technicians and users.		
7	The machine supplied should be brand new with the		
	date of manufacture mentioned and the country of		
	origin should be clearly mentioned.		
8	One (Hard and soft) copy of Serve & Operating manual		
	in English for each set should be provided at the time of		
	installation.		
9	The supplier should provide the alternate machine		
	(similar model) during the warranty period (5years) if		
	the original machine's repair time will take more than 5		
	days.		
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