	Technical Specifications of Port	Pro	dder's oposed ecifications	Page no. in catalog	Deviation (If any)
	Manufacturer				
	Brand	,			
	Type / Model				
	Country of Origin				
1	Description of Function	dons,			
. 1	Description of Function Ultrasound is used to create an image of internal body structures such as ten				
		/Neonatal			
	Obstetrics, Gynecological, Urological, Small Farts, Orthopological				
	and Cardiovascular Procedures				
2	Operational requirement It shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not more to the shall operate on mains as well as battery and must be portable not be provided in the shall operate on t	han 8kg			
2.1	It shall operate on mains as well as battery and must be portable. Shall support Convex, Micro-Convex and Linear, Endovaginal Array Transduction.	cers , Multi-	-		
2.2					
	frequencies		the state of the s		
					T
4	Technical Specification				
4.1	Ergonomic Operator interface. The system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and quick of the system should be equipped with backlit keyboard; For easy and the system should be equipped with backlit keyboard; For easy and the system should be equipped with backlit keyboard; For easy and the system should be equipped with should be equipped	access.			
4.2	The system should be equipped with backlit keyboard, for easy and q Shall have built-in lithium rechargeable battery, continuous working for at	least 1.5hours			
4.3	Shall have built-in lithium rechargeable buckery,				
4.7	to be ablight display with high contra	st and wide .			-
4.4	Minimum 12 " high resolution color LED backlight display well mg. It shall have minimum 2 active probe ports with capability of connecting a	ny of the			
4.	It shall have minimum 2 active probe ports with days				
4.	It shall have millimin 2 decorptions of processing channels should be 50,000 and above.				
4.	7 Frame rate shall be 30 Frames/sec or more.				
4.	Frame rate shall be 30 Frames set. or 1888. It shall have TGC with 8 sliders and convinently located in the console.				
4.					
A	Grayscales:256 levels (approx.) Cine-Memory: at least 256-frame, bi-directional, can be replayed auto and the cayond both in CIN and AVI form	d manual, repla	y		
4.	Cine-Memory: at least 256-frame, bi-directional, can be replay	nat			
	speed can be adjustable, Cine-loop can be saved both in emerges wit	hout loss when			
4.	The system shall have inbuilt HDD to store about 3000 frames and Display Modes: B, B+B, 4B, B+M, M, B+PW, B+Color, B+Col	olor+PW, B+PDI			
	13 Operating and Display Modes: B, B+B, 4B, B+M, M, B+ W,				
	and B+PDI+ PW 14 It shall have scanning depth upto 2 to 32cm, adjustable in 1cm step depth.	ending upon the			
4	14 It shall have scanning depth upto 2 to 32cm, adjustable in 16m step				
	1 and the second				
1	lmage Orientation: Left / right inversion , Up / down inversion				
1	1	ging Spatial			
-	And Among Processing: Multi Beam Forming. Phase Inversion Harmonic Ima	ging, spatial	1		
1 "	Compounding Imaging, Speckle Resistance imaging.				
	f target of image				
-		ncture guiding			
-	Litterio receive gain additistable, from o de to an	dB step			
	4.19 The system should have receive guin do not a system should have receive g	9			
	the state of the s				*
1-	4.20 Peripheral ports:				
	the facility dick and report princer			1	
	ii)Support S-Video and Video output, compatible with 1752 and 1772		-		
	liii\Support VGA output				2 2
	iviDICOM output is optional for network				
į	4.21 The system must include atleast General ,OB/GYN, URO. Cardiac, Va	ccular Small pa	rts		

	The second secon			
4.23	Calculation and Measurements :			Ì
	i) Professional software package for different application, including Abdomen, OB, GYN,			Į.
*	Small Parts, Urology, Cardiology, Vascular and Pediatrics.			
	ii)General Measurement Items:			
	Distances, Circumferences, Areas, Angles, area, volume, ratio, % stenosis, histogram (B-	K.		
	Mode)			
	Distance, Time, slope, and heart rate (M-Mode)			
	iii)OB measurement:	1		
	Measurement Items, no less than 15 items, including BPD, HC, AC, FL, GS, CRL, AFI and	•		
	EFW.			
	Users could switch between different OB tables;	•		
	Fetal Growth Curves: System can display fetal growth in a graph chart according to some			
	measurement items and their OB table			
	(25 NAU 25 NAU 27 NAU	de de la companya de		
4.22	The system should have Probe Frequency ranging from 3.5 MHz - 7.5 MHz supporting all			
5	Accessories, spares and consumables	and the second s		
	Convex Array Probe , Applications : Abdomen , Gynecology , Obstetrics , Urology ,			
5.1	Dominate Frequency: 3.5 MHz , range: 2.0MHz~6.0MHz, With Biopsy Guide	•		
5.1	Linear Array Probe , Applications : Small parts , Breast , Vascular , Orthopaedics ,		20	
	Dominate Frequency: 7.5 MHz , range: 5.0MH~10.0MHz, With Biopsy Guide			
5.2	USG Paper			
5.3	Thermal Printer for printing reports on Standard Paper	<u> </u>	ļ	
6	Operating Environment	<u></u>	<u> </u>	
6.1	The product offered shall be designed to be stored and to operate normally under the			
6.2	It Should be operated by 220V -230V AC,50/60Hz with line regulation of ±10% fitted with		<u> </u>	
7	Standards and Safety Requirements		<u> </u>	
7.1	Must submit ISO 9001:2008 & ISO 13485:2003 for Medical Devices			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for Electrical Safety IEC 60601-2-37 Medical			
8	User Training			
8.1	Must provide user training (including how to use and maintain the equipment) at the			
9	Warranty	·		
9.1	Comprehensive warranty for 2 year after acceptance.			
10	Maintenance Service during Warranty Period	<u></u>		
	During warranty period supplier must ensure preventive maintenance and			
10.1	corrective/breakdown maintenance whenever required.			160
		 	+	
11	Installation and Commissioning	 		
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified	***************************************	 	_
12	Documentation			
11.1	User (Operating) manual in English.			
11.2	Service (Technical / Maintenance) manual in English.	<u> </u>		
11.3	List of important spare parts and accessories with their part number and costing.			
11.4	Bidder should be provide certificate of calibration and inspection from the manufacturer	<u> </u>		

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