

TECHNICAL SPECIFICATION FORM (TSF)			
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No.	ITEM CODE & DESCRIPTION	BIDDER'S OFFER	Ref. page no of Supporting Documents
	BXRY004		
	Digital Ultrasonograph Doppler		
	Manufacturer:		
	Brand:		
	Type/Model:		
	Country of Origin:		
A	FUNCTIONAL DESCRIPTION		
1	Shall be used to visualize blood flow through a blood vessel, organs, or other structures; Shall be a digital technology to generate imaging of the movement of tissues and body fluids (usually blood) and their relative velocity to the probe.		
B1	DESCRIPTION OF BASIC COMPONENTS		
1	Echocardiography For Adult and Pediatric		
2	Transducer(s)		
3	Printer(s)		
4	Cart /Trolley		
B2	TECHNICAL SPECIFICATIONS		
	Main Unit		
1	Shall come with 3 active Probe Ports		
2	Integrated HD of approximately 500 GB		
3	Comes with 3 USB Ports for External Peripherals		
4	Comes with 2 USB Ports for On-board Peripherals		
5	Comes with RJ45 LAN Port, 1 HDMI Out Port and 1 Audio Out Port		
6	DICOM fucntion available		
	Monitor		
7	At least 15" High Resolution Flat Panel Screen		
8	Resolution: at least 1280 x 1024		
9	Image size: (Bidder to specify)		
10	High brightness with 220 cd/m2 typical or better		
11	Manual brightness and contrast adjustment		
	Keyboard		
12	Ergonomic hard key layout		
13	Back-lighting shall be available		
14	Programmable print/store/export keys for printing		
15	Archiving and exporting shall be available		
	Scanning Methods		
16	Convex		
17	Linear		
18	Sector		
19	Mechanical Volume Sweep		
	Transducer types		
20	Convex Array		
21	Linear Array		
22	Phased Array		
23	Volume probes 4D:		
	i. Convex Array		
	ii. Microconvex Array		
	Scanning Modes		
24	B-Mode (2D)		
25	M-Mode (conventional M-Mode)		
26	AMM (Anatomical M-Mode)		
27	PW Doppler with high PRF (PW)		
28	High PRF Doppler Mode		
29	Color Flow Doppler Mode (CFM)		
30	Power Doppler Mode (PD)		
31	HD-Flow* Doppler Mode (HD-Flow) [Preferable]		
32	M-Mode Flow Modes (M/CF, M/HD-Flow)		
33	Volume Mode (3D/4D):		
34	Extended View (XTD View)		
35	Upgradeable software feature is preferable		

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	Cart / Trolley		
36	Shall be a sturdy mobile cart / trolley with anti-corrosion material		
37	Comes with castors of at least 75mm and brakes		
C	ACCESSORIES & CONSUMABLES		
1	All standard accessories required for the proposed model (including maintenance tools where applicable) as normally provided by the manufacturers (bidder to specify)		
2	Bidders shall specify, in a separate Excel worksheet , the quantity and details of any other essential items which have not been specified in this TSF, and to be included in the offer.		
3	All standard maintenance tools and cleaning /lubrication materials where applicable shall be included.		
4	Bidders shall specify, in a separate Excel worksheet , the quantity and details of any items included in this offer, which are normally provided by the manufacturer but not specified in this TSF.		
5	Standard accessories shall include, but not limited to the following:		
	a) Printer color and black & white		
	b) Printing paper (one month operation)		
	c) Gel		