

1. Item # 1 portable, B/W Ultrasound

Specification of portable, B/W Ultrasound

	Purchaser's specification	Yes/No	Page no in catalog	Remarks
	Name of Bidder			
	Manufacturer			
	Brand			
	Model			
	Country of Origin			
1	Description of Function			
1.1	A compact, light-weight black and white ultrasound scanner, widely used in diagnosis of abdomen, obstetrics, gynecology, cardiology, small parts, musculoskeletal, vascular, urology, orthopedics etc.			
2	Operational Requirements			
2.1	It shall operate on AC power supply and rechargeable battery.			
3	System Configurations:			
3.1	Portable B/W USG System:1 Unit			
3.2	Convex Probe:1 unit			
4	Technical specification			
4.1	Imaging Modes: B Mode, B+B Mode, 4B Mode, B+M Mode, M Mode, PW Mode, Dual Live, Tissue Harmonic Imaging, etc.			
4.2	Should have at least 1 active transducer socket			
4.3	Probe: 2 to 5 MHz convex probe for Obs. /Gyn. and Abdominal application is to be supplied.			
4.4	Should support following Probes: 1. Convex Probe 2. Linear Probe 3. Endo cavity Probe			
4.5	Should have 12" or more LED/LCD display.			
4.6	Should support broadband and multi frequency probes spanning a frequency of 2-10 MHz			
4.7	Should have following Features: 1. Tissue Harmonic Imaging 2. Zoom function to enlarge to full screen			
4.8	System should have adjustable parameters for gain, depth, focus, dynamic range and 8- segment TGC (Time Gain Compensation)			

4.9	Should have facility for image zoom and freeze			
4.10	System should have function of Split screen to display two live scanning image side by side			
4.11	System should have boot time less than 60 sec.			
4.12	Gray scale ≥ 256 level			
4.13	System depth ≥ 34 cm			
4.14	Dynamic range ≥ 100 db			
4.15	Cine loop memory ≥ 256 frames			
4.16	Should have a full sized alphanumeric keyboard with track ball and backlit keys			
4.17	Should have built-in-rechargeable battery which shall support at least 180 minutes of routine ultrasound examinations.			
4.18	Should have specific annotation and body markers.			
4.19	A complete range of measurement and calculation packages for general and specific applications, including abdomen, obstetrics, gynecology, cardiology, small parts, vascular, urology, and Pediatrics must be available. Support user defined measurement item and obstetric formula			
4.20	Obstetric Analysis: GS (Gestational Sac), CRL (Crown Rump Length), BPD (Biparietal Diameter), HC (Head Circumference), AC (Abdominal Circumference), FL (Femur Length), GA (Estimate of Gestation age), Fetal weight, Heart Rate Etc.			
4.21	Should come with USB ports and Ethernet port			
4.22	Should have port for connectivity to thermal printer.			
4.23	Should have provision for storage of images and transfer to external devices & PC with wired or wireless networks.			
5	Accessories, Spare Parts and Consumables			
5.1	Accessories: - USG gel 500ml: 01bottle - Carrying bag: 01no			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	Operating Environment			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The			

	conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220VAC,50Hz fitted with appropriate plug. The power cable must be at least 2 meters in length.			
7	Standards & Safety Requirements			
7.1	Must submit ISO 13485:2003/AC: 2007			
7.2	Must submit CE (93/42 EEC Directives) and USFDA (510K) approved product certificate.			
8	User Training			
8.1	Onsite repair & maintenance training and operational training to the Hospital's Biomedical Engineer, Biomedical technicians and users.			
9	Warranty			
9.1	Warranty for 2 years from the date of installation			
10	Maintenance Service During Warranty Period			
10.1	During the warranty period supplier must ensure Planned Preventive Maintenance (PPM) and corrective/breakdown maintenance whenever required.			
11	Installation and Commissioning			
37	Supplier must accomplish proper delivery, installation & commissioning of equipment.			
12	Terms and Conditions			
12.1	The supplier must submit the original brochure or e-copy.			
12.2	User & Service manual in English must be provided.			
12.3	Certificate of calibration and inspection from factory.			
12.4	The bidder must submit a valid manufacturer authorization letter.			

2. Item # 2 Autoclave (12 Ltr) with surgical drum

	Purchaser's specification	Yes/No	Page no in catalog	Remarks
	Name of Bidder			
	Manufacturer			
	Brand			
	Model			
	Country of Origin			
1	Description of Function: Double Wall Single Chamber Autoclave. The inner Chamber, Outer Wall, Lid, Ring made of S.S. and Instrument is absolutely leak proof. Equipped with Pressure Gauge, Safety Valve, Double Safety Valve, Steam Release Valve, Water Drain Valve, Rubber Gasket, Inner Container, Tripod Stand and Mild Steel Legs for Autoclave. Autoclave can hold in between 7 to 20 psi.			
2	Autoclave Vertical Stainless Steel Nut Locking SIZES : 12"×22"			