



प.स. ०७७/०७८
च.न. २४४०

गोरखा नगरपालिका

Gorkha Municipality

नगर कार्यपालिकाको कार्यालय
Office of the Municipal Executive
डुम्रिडाँडा, गोरखा
Dumridanda, Gorkha



गण्डकी प्रदेश, नेपाल
Gandaki Province, Nepal



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डुम्रिडाँडा, गोरखा
गण्डकी प्रदेश, नेपाल

मिति : २०७८/०२/२६

विषय : सूचि दर्ता सम्वन्धमा ।

प्रस्तुत विषयमा, यस नगरपालिकाको लागि एक थान यू.एस.जि. मेसिन खरिद गर्नु पर्ने भएकोले उत्पादन गर्ने कम्पनी वा त्यसको अधिकृत विक्रेताले यस पत्रमा तोकिएको स्पेसिफिकेशन बमोजिमको विवरण सहितको प्रस्ताव यस कार्यालयमा सूचना प्रकाशीत भएको मितिले सात दिन भित्र प्रस्ताव पेश गर्न अनुरोध गरिन्छ ।

[Signature]
प्रमुख प्रशासकीय अधिकृत

Technical Specification for USG Portable Colour Doppler with 1 Probe

S.N. Purchase's Specification		Bidder's Compliance sheet		
USG Portable Colour Doppler with 1 standard Probe		Compliance Yes/No	Deviation (if any)	Corresponding page no. of data sheet/ catalogue in support of specification
Name of bidder:				
Manufacturer:				
Brand:				
Type/Model:				
Country of Origin				
1	Description of Functions			
1.1	A general-purpose notebook-type colour Doppler ultrasound imaging system.			
2	Operational Requirements			
2.1	It shall operate on AC power supply as well as built in rechargeable battery. The machine is intended to be carried to the field or the patient ward with the inbuilt battery system to examine patients who could not come to USG room.			
3	System Configurations			
3.1	Portable colour Doppler ultrasound imaging system with standard probes (Convex array probe, Linear array probe, Phased array probe and Black and white thermal printer.			
4	Technical Specifications			
4.1	Main applications: OB/GYN, abdominal, cardiac and vascular and small parts, Fetal Heart, musculoskeletal, Urology, Breast, Pediatric etc			
4.2	Shall have long lasting built-in rechargeable battery which shall support up to 2 hours of routine ultrasound examinations.			
4.3	The system shall accept most of the common probe types of: convex array, linear array and phased array.			
4.4	Obstetric analysis: BPD, BD, CRL, AC, HC, FL, GS, GA, foetal weight, heart rate, obstetric doppler calculation etc			
4.5	Display not less than 12" colour LCD/ LED display			
4.6	Scan modes: M-mode, B-mode and 2-D.			
4.7	Imaging functions: Tissue Harmonic Imaging, panoramic imaging, Color Power Angio Imaging.			
4.8	Programmable pre-set examination protocols store common setting related to image display/adjustment, annotation, body marker, adjustable focus			
4.9	Dynamic range, selectable up to approximately 220dB.			
4.10	Velocity Colour to detect colour flow with PW & CW Doppler.			
4.11	Cine memory of 5,000 or more frames for cine loop playback.			
4.12	Frame rate: - not less than 500 fps			
4.13	Display depth: - 25- 30 cm			




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4.14	With function to reduce patch noise and other image artefacts without compromising quality of images.			
4.15	Should have Automatic gain control for additional level of flexibility to image quality control.			
4.16	Should have facility of biopsy needle adjustment.			
4.17	Should have facility for real time or frozen, pan or point zoom, gain adjustment			
4.18	Image storage: Shall be able to store still and video images, shall be able to store about 1000 images on main unit.			
5	Accessories, Spare Parts and Consumables			
5.1	Accessories: <ul style="list-style-type: none"> a. Portable colour Doppler ultrasound imaging system – 1 unit b. Convex array probe - 1 unit c. Black and white thermal printer – 1 unit d. Thermal printer paper – 5 roll e. Ultrasound gel- 1 bottle f. Carrying case: 1 set 			
6	Operating Environment			
6.1	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metres in length.			
7	Standards & Safety Requirements			
7.1	Must submit ISO13485 for Medical Devices AND			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	User Training			
8.1	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.			
9	Warranty			
9.1	Comprehensive warranty for 1 year after acceptance.			
10	Maintenance Service During Warranty Period			
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11	Installation and Commissioning			
11.1	Supplier must accomplish proper installation & commissioning of equipment onsite.			
12	Documentation			
12.1	The bidder should submit a valid authorization from the manufacturer.			
12.2	The bidder should submit the original brochure or e-copy.			
12.3	User (Operating)/ Service (Technical / Maintenance) manual in English.			
12.4	Certificate of calibration and inspection from factory.			
12.5	List of important spare parts and accessories with their part number and costing.			
12.6	Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.			
13	Technical Status			


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