



बुङ्गल नगरपालिका
नगर कार्यपालिकाको कार्यालय
खिरातडी, बझाङ
सुदूरपश्चिम प्रदेश, नेपाल

प्रकाशित मिति: २०८१/०३/१३



विषय: उत्पादक वा अधिकृत विक्रेताद्वारा निर्धारित दरमा (क्याटालग सपिंग) विधिबाट स्वास्थ्य सामाग्री खरिद गर्ने सम्बन्धी सूचना।

प्रस्तुत विषयमा यस कार्यालयलाई आ.व. २०८०/०८१ मा तपशिलमा उल्लेखित स्वास्थ्य सामाग्री खरिद गर्नु पर्ने भएकोले सार्वजनिक खरिद ऐन, २०६३ को दफा ८ को उपदफा (१) (क) (८) तथा सार्वजनिक खरिद नियमावली २०६४ को नियम ३१ ख तथा उत्पादक वा अधिकृत विक्रेताद्वारा निर्धारित दरमा (क्याटालग सपिंग) खरिद गर्ने कार्यविधि, २०७४ बमोजिम यस नगरपालिकाको प्रयोजनको लागि आवश्यक पर्ने तपशिलका सवारी साधन उपलब्ध गराउन इच्छुक उत्पादक कम्पनी वा त्यसको अधिकृत/आधिकारिक विक्रेताले कम्पनी/फर्म दर्ताको प्रमाण पत्र, उत्पादन अनुमति वा उत्पादकले आधिकारिक विक्रेता तोकेको पत्र, मूल्य अभिवृदी कर दर्ता प्रमाण पत्र र आ.व. २०७९/०८० को कर चुक्ता प्रमाण पत्र लगायत सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१ ख को उप नियम २ अनुसार तोकिएको स्पेशिफिकेशन, गुणस्तर, कम्पनीको मूल्य खुल्ने कागजात र सुबिधा सहितको विवरण (क्याटालग / ब्रोसर) समेत संलग्न गरि आर्थिक प्रताव सहित यो पत्र जाँरि भएको मितिले ०७ दिन भित्र यस कार्यालयमा निवेदन दर्ता गराउनहुन जानकारी गरिन्छ। तपशिलमा उल्लेख गरिएका स्वास्थ्य सामाग्रीको स्पेशिफिकेशन यसै कार्यालयको website बाट हेर्नहुन जानकारी गरिन्छ।

तपशिल:

सि.न.	स्वास्थ्य सामाग्री विवरण	कैफियत
१.	Refrigerator, Ice Lined	
२.	Tablet Type Colour Doppler USG Machine	

बोधार्थ:

श्री सूचना तथा प्रविधि शाखा Websiteमा अपलोड गरि दिनहुन


नरश कुँवर
नि. प्रमुख प्रशासकीय अधिकृत



Technical Specification

Technical Specification of Tablet Type Color Doppler USG Machine

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Ref Docs Page No.	Remarks
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
1.	Description of Function			
1.1	A general-purpose tablet type Color Doppler ultrasound imaging system can be desk mounted or arm mounted. The system must have application-based Ultrasound with true portability.			
1.2	Portable Ultrasound Machine with Color Doppler and should supply with Broadband Convex Transducer ranging 2 MHz to 5 MHz			
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	The system must be latest model and state of the art with fully digital technology compact equipment to incorporate the facility of 2D, M-Mode, CDI for abdomen, Cerebrovascular/peripheral vascular/vascular, & superficial parts imaging like, scrotum, thyroid, musculoskeletal.			
3.2	System must be offered with a minimum of 60,000 digital processed channels.			
3.3	System must be offered with a very high dynamic range of at least 170dB to pick up subtle echoes.			
3.4	System must be offered with wider than 10.5 inch High Resolution Display.			
3.5	Operating modes B-mode, M-Mode, B/M Mode, Colour flow, Pulse wave doppler, B/Colour flow. M-modes should support in all probes.			
3.6	System should support broad band probes spanning a frequency of min. 1-12 MHz.			
3.7	System should support following application. Abdominal, Obstetrical/ Gynecological,			

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	Gallbladder, Soft tissue, Vascular, Fast, MSK and Superficial.			
3.8	Should have the state of the art Transmit Real Time Compound Imaging Technology with Multiple transmitted lines of sight, wherein Multiple Coplanar Images from different viewing angles are obtained and combined into a single compound Image at real time frame rates for improved visualization. Should demonstrate and show multiple transmitted line of sight.			
3.9	System must be offered with Speckle Reduction Imaging: Image processing technique to remove speckles and clutter artifacts			
3.10	System should be capable of scanning depth of minimum 30 cms.			
3.11	Real-time beam-steered compound Imaging.			
3.12	Adaptive image processing.			
3.13	No-touch/one touch operation for continuous intelligent optimization for 2D.			
3.14	Gray shades: 256(8 bits) in 2D.			
3.15	Acquisition frame rate: up to 30 frames per second in high frame rate mode (dependent on field of view, depth and angle. Or better.			
3.16	Power save mode/screen saver that automatically senses when you are not actively scanning and reduces frame rate then automatically resumes full rate when you resume scanning.			
3.17	System must have tissue Harmonic Imaging.			
3.18	Multi-touch/touch screen user interface			
3.19	Alphanumeric QWERTY soft keyboard			
3.20	Battery should have capacity for continuous scan time of Min. 5 hrs.			
3.21	USB connectivity			
3.22	System should have capability to connect with Android or windows based Tablet			
4.	System must be the following transducers and Connectivity			
4.1	2 -5 MHz Convex Transducer for General Imaging, Renal, abdominal imaging. This probe must have widest field of view and 128 elements available in the above frequency range.. Attach technical data sheet of transducer and gross weight of machine including probe to be less than 3.5 kg.			
5.	Accessories, Spare Parts and Consumables			


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5.1	All standard accessories consumables parts (including 2 bottles of ultrasound gel, 1 unit of spare battery) required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.			
5.2	All standard Maintenance tools and cleaning lubrication materials where applicable shall be included. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which havenot been specified in this Technical Specifications Form.			
6.	Operating Environment			
6.1	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug.			
7.	Standards & Safety Requirements			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	USFDA(510K) approved product certificate.			
7.3	Electrical safety conforms to standards for Electrical Safety IEC 60601-2-37 Medical electrical equipment – Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment. Must submit the evidence verifying the compliance.			
8.	User Training			
8.1	The Supplier shall conduct ultrasound training to health workers (Nurses & Midwives) on use of equipment at our facility. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.(Training shall conduct in Lumbni province that will be at Butwal/Deukhuri/Nepalgunj)			
9.	Warranty			
9.1	Comprehensive warranty for 2year after acceptance.			
10.	Maintenance Service During Warranty Period			
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/brenkdown maintenance whenever required.			
11.	Installatlon and Commisloning			
11.1	Supplier must accomplish proper installution & commissioning of equipment onsite.			
12.	Documentatlon			
12.1	User (Operating) manual in English			

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12.2	Service (Technical/ Maintenance) manual in English			
12.3	Must Submit a valid Manufacturer Authorization.			
12.4	Must submit the commitment letter for spare parts and service availability of min. 10 years from Manufacturer.			
12.5	Certificate of calibration and inspection from factory.			
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 and also must submit original technical brochure. Failure in doing so may lead to rejection of bid from technical committee.				

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Technical Specification of Refrigerator, Ice Lined

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Page No in Catalogue	Remarks
	Refrigerator, Ice Lined			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	Ice lined refrigerator for vaccine storage.			
2	Operational Requirements			
2.1	Ice-lined refrigerator CFC free.			
3	System Configuration			
3.1	Ice-lined refrigerator CFC free.			
4	Technical Specifications			
4.1	Ice lined refrigerator maintain the temperatures of +2 °C to +8°C.			
4.3	Vaccine storage capacity: 80 litres or more.			
4.4	Holdover time 48 hours or more at external temperature of 43°C.			
4.5	Temperature control: With a full vaccine load in refrigerator the temperature remains between 2°C to +8°C during: +43°C and +32°C continuous ambient temperature. Intermittent electricity supply, 8 hours on /16 hours off.			
4.6	Keys for lockable lid.			
4.7	Built-in external thermometer display.			
4.8	At least 2 wire baskets			
5	Accessories, spares and consumables			
5.1	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 product offered shall be designed to be stored and to operate normally under the conditions of the Nepal. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240VAC single phase, 50Hz fitted with appropriate plug. The power cable must be minimum 3 metres long.			
6.3	Voltage stabilizer of appropriate rating suitable for provided ILR.			
7	Standards and Safety Requirements			
7.1	This unit shall be certified to meet ISO9001 or ISO 13485:2003/AC: 2007.			
7.2	Shall be WHO PQS Certified.			
7.3	Test and inspections as per WHO Procedure reference for Ice lined refrigerator.			
8	User Training			
8.1	Must provide user training (including how to use and maintain the equipment).			

H. S. D. S. P.
 Biomedical Engineer
 NEIC No. 412 'A'



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S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
9	Warranty			
9.1	Comprehensive warranty for 2 years after acceptance.			
10	Maintenance Service During Warranty Period			
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
11	Installation and Commissioning			
11.1	Supplier must accomplish proper installation & commissioning of the equipment on site.			
12	Documentation			
12.1	User (Operating) manual in English			
12.2	Service (Technical / Maintenance) manual in English			
12.3	Must List of important spare parts and accessories with their part numbers and costing.			

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Biomedical Engineer
MFC No. 412 'A'



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