निस्दी गाउँपालिका
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प.सं. :- ०७९/८०
सू.नं. :- ११२

सूचना नं. : ११२

क्याटलग/ब्रोसर सपिङ्ग स्वास्थ्य मेशिनरी समान खरिद सम्बन्धमा शिलवन्दी प्रस्ताव आव्हानको सूचना ।

प्रकाशित मिति : २०८०।०३।०७

यस कार्यालयको लागि देहाय बमोजिको स्वास्थ्य मेशिनरी सामाग्री खरिद गर्नुपर्ने भएकाले सार्वजनिक खरिद ऐन, २०६३ को दफा ८ को उपदफा १(क) (८) तथा सार्वजनिक खरिद नियमावली,२०६४ को नियम ३१(ख) बमोजिम उत्पादक कम्पनी वा सोको नेपालका लागि आधिकारिक विक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउने (क्याटलग सपिङ्ग) विधि अनुसार सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१(ख) को उपनियम (२) बमोजिम इच्छुक इजाजत पत्र प्राप्त उत्पादक कम्पनी वा नेपालमा रहेका आधिकारिक अधिकृत विक्रेताहरुले आफ्नो अद्यावधिक फर्म दर्ता प्रमाण पत्र, स्थायी लेखा नम्बर तथा मूल्य अभिवृद्धि कर दर्ता प्रमाणप्रत्र, एजेन्सी दर्ता प्रमाणपत्र र आ.व २०७८/०७९ सम्मको कर चुक्ता प्रमाणपत्र, उक्त औजार तथा मेशिनरी सामाग्री आपूर्ति गरेको हालसम्मको विवरण, सम्बन्धित कार्यको अनुभवको प्रमाणपत्र, उत्पादनको आधिकारिक स्पेशिफिकेशन, मूल्य, गुणस्तर तथा सुविधा सहितको विवरण (क्याटलग वा ब्रोसर) संलग्न राखी यो सूचना प्रकाशित भएको मितिले ७ औ दिनको १२:०० बजेसम्म यस कार्यालयमा शिलवन्दी प्राविधिक प्रस्ताव सहितको निवेदन दर्ता गराउनु हुन यो सूचना प्रकाशन गरिएको छ । नियमानुसार दर्ता हुन आएका शिलवन्दी प्रस्तावहरु, यस कार्यालयमा पेश गर्ने अन्तिम दिनको १३:०० बजे खोलिनेछ । दर्ता गर्ने तथा खोल्ने दिन सार्वजनिक विदा पर्न गएमा उक्त कार्य विदा लगत्तै कार्यालय खुल्ने दिनको सोहि समयमा हुनेछ । स्पेशिफिकेशन यस कार्यालयको वेवसाइट www.nisdimun.gov.np बाट प्राप्त गर्न सकिनेछ ।

देहाय

सि.न.	सामानको विवरण
१	ECG Machine , Portable
२	X-Ray Machine 500mA, Fixed Height Table
३	Digital Flat Panel Detector System-Wired

नोट : यस गाउँपालिकामा सुचिकृत नभएका फर्म/सप्लार्यसहरुले यसै सूचना अवधिभर सूचिकृत गर्न पाउने छन् ।
थप जानकारीका लागि : रेम बहादुर दिशा ९८५७०६०७८३

०८०।३।७
ध्रुव दयाल
प्रमुख प्रशासकिय अधिकृत

Technical Evaluation of Digital Flat Panel Detector System-Wired

S.N.	Purchaser's Specification	Bidders Offer		
	Digital Flat Panel Detector System-Wired	Bidder's Proposed Specifications (Yes/No)	Deviation (if any)	Page no. in technical datasheet
	Country of Origin:			
	System Made In:			
	Manufacturer:			
	Model No:			
	Brand:			
	Manufacturer Authorization Letter:			
1	**Digital Flat Panel Detector System-Wired**			
1.1	Description of functions: The Flat Panel Detector directs digital radiography unit (portable type) for general purpose radiology examinations. It should be a retrofit solution and capable to work with any of the X-ray available in the hospital.			
1.2	Flat Panel Detector wired with work station should be provided. It shall be suitable for adult and pediatric patients in general radiography examtion			
2	**System Configuration**			
2.1	**Flat Panel Detector System**			
2.1.1	Direct Deposit Cesium Iodide (CSi):TI Scintillator			
2.1.2	The most advanced CsI direct-deposition technology Ensures excellence of image quality at low X-ray dose and improves operation safety.			
2.1.3	Should incorporate Automatic Exposure Detection Technology.			
2.1.4	Portable wired approx. 17x17 inches size detector.			
2.1.5	The detector should be light weight (less than 4 KGs)			
2.1.6	The Pixel pitch should be equal to or less than 140 microns.			
2.1.7	Should have a spatial resolution : 3.5 LP/mm (lines Per millimeter) or better.			
2.1.8	Image matrix size: 3072 pixels X 3072 pixels orbetter.			
2.1.9	Image acquisition time should be less than 2-4 sec.			
2.1.10	Should have a minimum image depth of 16 bits or more.			
2.1.11	Data communication should be wired connection Powered by Power Box using single Interface Cable and Gigabit LAN Cable.			
2.1.12	The Detector should be able to withstand surface load of 130kg or more.			
2.1.13	Detector Panel must incorporate 1-Shot Calibration Technology for fast initialization. The Detector should be pre calibrated with Calibration data must be stored in Detector. There should be no requirement for calibration even if PC is changed.			
2.1.14	Software should have DICOM & PACS connectivityas a standard feature.			

2.2	Image Station • Branded CPU – i5 or Latest model processor, • RAM – 8GB, SSD – 500GB, • OS Window 10 Pro 64 bit • Display Monitor: At least 20" size Full HDbranded Monitor			
2.3	Image Manipulation/Post processing Software: • Image post-processing, such as image transformation, including inversion, flip vertically/horizontally, rotation, etc. • Multi patient viewing and printing. • Image Magnification • Cropping and masking of images (standardsoftware) • Distance measurement and Angle • Exporting images in JPEG and DICOM • CD/DVD burning facility			
3	**Accessories and spare parts and consumables**			
3.1	Single Tray Medical Laser Printer should be provided. (Must Specify Brand Name and Model Name).			
3.2	Must submit ISO13485:2003/AC:2007,			
3.3	CE (93/42 EEC Directives) and USFDA approved product certificate for Single Tray Laser Printer.			
3.4	Printer should support daylight load film cartridges: Cartridge of 125 sheets			
3.5	Processing capacity should be more or equal to 40 films/hour of 14*17 inches film size.			
3.6	Film Sizes: 8"x10", 10"x12", 11"x14", 14"x17"			
3.7	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).			
4	**Operating Environment:**			
4.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
4.2	Power supply: 220–240V AC, 50Hz fitted with Appropriate plug type.			
5	**Standards and Safety Requirements:**			
5.1	Must submit ISO13485:2003/AC:2007, CE (93/42 EEC Directives) and USFDA approved product certificate for Flat Panel Digital Detector.			
6	**User Training:**			
6.1	Must provide user training (including how to use andmaintain the equipment).			
7	**Warranty:**			

7.1	Comprehensive warranty for 1 year after installation.			
8	**Maintenance Service During Warranty Period:**			
8.1	During the warranty period supplier must ensure preventive and Corrective/breakdown maintenancewhenever required.			
9	**Installation and Commissioning:**			
9.1	Supplier must accomplish proper installation and commissioning of the equipment on site.			
10	**Documentation:**			
10.1	User (Operating) manual in English.			
10.2	Service (Technical/ Maintenance) manual in English.			
10.3	List of important spare parts and accessories with ~~ti~~parts.			
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.				

Mityal, P

Mitsdi Rural Municipality
Village Executive Office
Lumbini Province, Nepal
Mityal, Palpa

ECG Machine, Portable (12 Channel)

S.N.	Purchaser's Specifications	Bidders Offer		
	Description of Function	**Bidder's Proposed Specifications (Yes/No)**	**Deviation (If any)**	**Page no. in technical datasheet**
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
	Manufacture's Authorization Letter			
1	**Description of Functions**			
1.1	ECG Machine is primary equipment to record ECG Signal in various configurations.			
2	**Operational Requirements**			
2.1	Portable digital ECG machine must be able to acquire all 12 Leads simultaneously.			
3	**System Configuration**			
3.1	Portable digital ECG machine with complete accessories			
4	**Technical Specifications**			
4.1	Simultaneous recording of 12 standard leads: aVR, aVL, aVF, I, II, III and V1-6 pre-cordials.			
4.2	Internal memory for data storage.			
4.3	Splash-resistant alphanumeric keyboard with function keys.			
4.4	With zeroing reset, auto-base-line correction (0.5Hz) and 1mV test/calibration signal.			
4.5	Filter setting for line-frequency (50 or 60Hz) and tremor.			
4.6	Continuous check on the quality of electrodes connection, audio visual alert on loss of signal			
4.7	Appropriately protected for operation during defibrillation.			
4.8	Backlight high resolution LCD display with at least 10" touch screen that displays 12 channel ECG waveform with other information.			
4.9	Front panel provides indication of system and			

	battery status, electrode connection and paper.			
4.10	Built-in high-resolution 300 dpi thermal printer, width 216mm* 20M, automatic and manual print-out mode.			
4.11	Print-out on folded thermo-reactive paper, format A4.			
4.12	Number of channels printed is user selectable: 3, 6 or 12.			
4.13	Combination of channels printed is standard and user selectable and with copy function.			
4.14	Paper speed, user adjustable: 5, 25 and 50mm/sec.			
4.15	Sensitivity, automatic or user selectable: 1.25, 2.5, 5, 10, 20 and 40mm/mV.			
4.16	Data interface: RS232/USB interface or equivalent Self-test is performed each time the device is switched on.			
4.17	Transformer, charger and rechargeable battery integrated in device.			
4.18	Autonomy, approximately 200 readings.			
4.19	With internal re-chargeable battery Power consumption, approximately: 200W			
4.20	Portable: weight not more than 4 Kg.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Patient cable-1 no. • Reusable chest electrodes, suction ball-type- 6 nos. • Extremity clamp electrodes, reusable- 4 nos. • Box of A4 recording paper, 1000 sheets- 1 no. • Bottles of electrode gel, approximately 350ml- 1 nos. • Set of spare fuses- 1 set • Plastic protective dustcover- 1 no.			
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 be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220–240V AC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2016/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Shall meet IEC-60601-1-2:2001 General Requirements of Safety for Electromagnetic Compatibility.			
7.4	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.			
8	**User Training**			
8.1	Must provide user training (including how to use and maintain the equipment).			
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 corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	Supplier must accomplish proper installation and 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	List of important spare parts and accessories with their part numbers and costing.			

12.4	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.

X-Ray Machine 500 mA, Fixed Height Table

S.N.	Purchaser's Specifications	Bidders Offer		
	X-Ray Machine 500 mA, Fixed Height Table	Bidder's Proposed Specifications (Yes/No)	Deviation (If any)	Page no. in technical datasheet
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
	Manufacture's Authorization Letter			
1	**Description of Functions**			
1.1	A general purpose X-ray machine for routine X-ray examinations at healthcare facilities.			
2	**Operational Requirements**			
2.1	It shall be suitable to be used for adult and paediatric patients in general Radiography examination.			
3	**System Configurations**			
3.1	X-ray Generator,1 unit			
3.2	X-Ray tube & tube support system, 1 unit			
3.3	Radiographic patient table, fixed height 1 unit			
3.4	Wall mounted Chest bucky stand, 1 unit			
4	**Technical Specifications**			
I	**X-ray Generator:** Bidder shall indicate brand and model information here and provide technical data document for X-ray generator offered.			
4.1	Must be microprocessor controlled line frequency generator, output 30 KW or above to give a constant output suitable for radiography.			
4.2	Generator Output: mA range: 500 mA or more.			
4.3	KV range: 30KV to 120KV at 50mA.			
4.4	Control: Digital.			
4.5	Must Display mA, mAs & kVP.			
4.6	Simultaneous protection from excess selection of mA, mAs, kVP & Input Voltage must be provided for Electronic Overload.			
4.7	Must come with 30 steps Voltage Compensators			
4.8	A dual action hand switch with retractable cord must be provided for radiation protection of operator.			
II	**X-Ray Tube:**			
4.9	Rotating anode X-ray tube with dual focal spot			

	(specify focal spot sizes, smaller focal spot size will be preferable).			
4.10	Shall come with Full wave rectified Tube head.			
4.11	Filtration: min 2.5mm Al equivalent.			
4.12	Collimator with auto shut off facility must be provided.			
4.13	Cooling method passive or forced air and/or oil cooling.			
4.14	Anode rotating speed: More than 3000rpm.			
4.15	Anode heat capacity shall not be less than 300 KHU.			
III	**Radiography Patient Table:**			
4.16	Radiography table shall be fixed height, 2-way floating top type.			
4.17	Come with grid and cassette tray, with grid ratio: not less than 10:1. Grid line number: 40 line/cm. Focus distance: 115cm.			
4.18	Cassette size: accept all sizes from cassette 5"x7" cm to 14"x17" type.			
4.19	Radiography table shall be fixed height of about 60cm.			
IV	**Floor Mounted Bucky Stand:**			
4.20	Vertical travel: from 460-1700mm or in the range.			
4.21	Moving Grid with Grid ratio not less than 10:1. Grid line number: 40 lines/cm.			
4.22	Shall come with Automatic Exposure Control for vertical bucky exposures.			
4.23	Cassette size: accept all sizes from 5"x7" to 14"x17".			
4.24	Movement arrested by electromagnetic brakes.			
V	**Floor Mounted Tube Stand:**			
4.25	Tube stand from floor to ceiling must be provided.			
VI	**Collimator:**			
4.26	Manually adjustable.			
4.27	Manually selectable filters.			
4.28	Light localizer with timer controlled light.			
4.29	Built-in light switch should be provided.			
4.30	Turning angle should be min +/- 45 degree.			
VII	**Control Console:**			
4.31	Digital Display.			
4.32	Minimum 3 Point Exposure Technique.			

4.34	Status display, error display.			
4.35	Shall have area dose product determination and display.			
4.36	**Accessories, Spare Parts and Consumables**			
5	**Accessories:** • Lead apron, light weight with Lead equivalence 2mm-01 nos.			
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 system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 380-440 VAC 3 phase 50Hz fitted with appropriate plug for X-ray generator fitted with appropriate plug for other units.			
7	**Standards & Safety Requirements**			
7.1	Must Submit AERB Certification for X-ray Tube and X-Ray Generator.			
7.2	Must submit ISO 13485:2003/AC: 2007 **AND**			
7.3	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.4	Shall meet: • IEC 60601-1-3 - Part 1: General Requirements for safety - Collateral Standard: General Requirements for Radiation Protection in Diagnostic X-Ray Equipment. • IEC 60601-2-7 - Part 2-7: Particular Requirements for the Safety of High-Voltage Generators of Diagnostic X-Ray Generators.			
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 from acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			

11.1	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	List of important spare parts and accessories with their part numbers and costing.			
12.4	Certificate of calibration and inspection from factory.			

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