



थासाङ गाउँपालिका
गाउँकार्यपालिकाको कार्यालय
कोबाङ, मुस्ताङ
गण्डकी प्रदेश, नेपाल



पत्र संख्या: २०८२/०८३

सूचना नं.: २४

वि.सं.: २०८२/१२/१०

ने.सं.: ११४६ चौलाथ्व: ०६

प्रथम पटक प्रकाशित मिति: २०८२/१२/१०

प्रचलित बजारभाउ पेश गर्ने सम्बन्धी सूचना

प्रस्तुत विषयका सम्बन्धमा यस थासाङ गाउँपालिकाको चालु आ. व. ०८२/८३ को स्वीकृत कार्यक्रम अनुसार यस थासाङ गाउँपालिकाका अन्तर्गत लेते प्राथमिक स्वास्थ्य केन्द्रका लागि आवश्यक Digital X-Ray Machine खरिद प्रक्रिया अगाडि बढाउनु पर्ने भएकोले यसैसाथ संलग्न Technical Specification लाई आधार मानी हालको प्रचलित बजार दरभाउ यो पत्रको मितिले ७ (सात) दिनभित्र यस कार्यालयमा पेश गर्नुहुन सम्बन्धित सबैको जानकारीको लागि अनुरोध छ ।

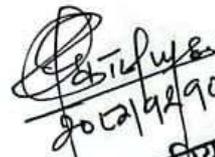
तपशिल:

सि.नं.	विवरण	परिमाण	ईकाई	दर प्रति ईकाई
१.	Digital X-Ray Machine 500 MA, Radiographic Voltage 40 KV to 120 KV, in 1 KV step or better with X-Ray Generator at least 40 KHZ, including DR System	१	सेट	

बजारभाउ पेश गर्नका लागि आवश्यक कागजातहरू

- बजारको प्रचलित बजारभाउको सूचि सहित बजारभाउ पेश गर्ने व्यहोराको पत्र ।
- मौजुदा सूचिमा सूचिकृत भई पाउँ भन्ने व्यहोराको निवेदन ।
- सम्बन्धित निकायमा दर्ता भएको प्रमाणपत्रको प्रतिलिपी
- चालु आ. व. मा म्याद कायम रहने गरी नवीकरण भएको खुल्ने कागजात
- आर्थिक वर्ष २०८१/८२ को कर चुक्ता प्रमाणपत्रको प्रतिलिपी
- स्थायी लेखा नम्बरमा दर्ता भएको प्रमाणपत्रको प्रतिलिपी
- कार्यालयको मौजुदा सूचिमा दर्ता भईसकेका फर्महरूले निवेदन सहित प्रचलित दरभाउ मात्र पेश गरे हुने ।

पुनश्च: सूचना अनुसारको प्रचलित बजारभाउ पेश गर्नका लागि आवश्यक कागजातहरू कार्यालयको इमेल ठेगाना thasangmun@gmail.com मा पनि पठाउन सकिनेछ ।


२०८२/१२/१०
विकाश परियार
प्रमुख प्रशासकीय अधिकृत

"व्यावसायिक र सिर्जनशील प्रशासन: विकास, समृद्धि र सुशासन"

<http://www.thasangmun.gov.np>, thasangmun@gmail.com, ९८५७६५०४१२, ९८५७६५०६६१



Technical Specifications for Digital X-Ray machine 500 mA

S.N.	Purchaser's Specifications	Bidder's Compliance sheet		
		Compliance Yes/No	Deviation (if any)	Corresponding page no. of data sheet/ catalogue in support of specification
	Digital X-Ray Machine 500 mA			
	Manufacture			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	A general purpose digital 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 Configuration			
3.1	X-ray Generator, 1 unit			
3.2	X-Ray tube & tube support system, 1 unit			
3.3	Radiographic patient table, 1 unit			
3.4	Floor mounted bucky stand, chest stand: 1 unit			
3.5	Detector: 1 unit			
4	Technical Specifications			
I	X-ray Generator:			
4.1	Bidder shall indicate brand and model information here and provide technical data document for X-ray generator, tube and detector offered.			
4.2	High frequency generator, the generator shall have at least 40kHz.			
4.3	Generator Output: not less than 40 kW.			
4.4	Radiographic voltage: 40 kV to 120kV, in 1kV step or better.			
4.5	Radiographic current: 10 to 500mA or better			
4.6	Exposure time: 0.01sec (1msec) - not more than 10sec			
4.7	Shall come with overload protection device.			
II	X-Ray Tube:(approx.)			
4.8	X-ray tube rotating: +/-120°.			
4.9	Large focus not more than 1.2 mm.			
4.10	Small focus not more than 0.6 mm.			
4.11	Maximum tube voltage approx. 125 KV. Maximum tube output shall match with the generator output of not less than 40 KW.			
4.12	Filtration: min 1.0 mm mm Al equivalent.			
4.13	Cooling method passive or forced air and/or oil cooling.			
4.14	Anode heat capacity shall not be less than 140 KHU or more.			
III	Radiography Patient Table:(approx.)			
4.15	Radiography table shall be fixed height or height adjustable, 4-way floating top type with foot switch control or sensor control.			
4.16	Come with grid and cassette tray, with grid ratio: not less than 10:1. Grid line number: 85 line/cm or more.			
4.17	Cassette size: accept all sizes from cassette 8"x10" cm to 14"x17" type.			
4.18	Table with load capacity of approx.: 250kg or more.			

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4.50	Resolution > 500 DPI or more.		
4.51	Daylight film loading		
4.52	Shall be able to switch between receiver mode and processor mode.		
5	Accessories, Spare Parts and Consumables		
5.1	Accessories : • Lead apron, light weight with Lead equivalence 1 mm-01 nos.		
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: 380 – 415 VAC 3 phase, 50Hz fitted with appropriate plug for other unit. The power cable must be at least 3 metre in length.		
7	Standards & Safety Requirements		
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND		
7.2	CE (93/42 EEC Directives) and USFDA (510K) approved product certificate for X-ray and Detector.		
7.3	IEC 60601-1-3 - Part 1: General Requirements for safety - Collateral Standard: General Requirements for Radiation Protection in Diagnostic X- Ray Equipment.		
8	User Training		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	Warranty		
9.1	Comprehensive warranty for 2 years after 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	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 numbers and costing.		
12.6	Bidders must completely fill the Technical Specification Form (TSF). Only YES/NO/COMPLY should not be written. Page number in the catalogue must be clearly mentioned and highlighted.		



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स्वास्थ्य प्राविधिकले पेश
गोपनीय Technical specifications
खीष्ट गरिएको

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4.19	Movement range of detector under the table: approx. 350mm ±10cm or better.		
4.20	Table lateral movement: approx. 250mm ±10cm or better.		
4.21	Table longitudinal movement: approx. 1000mm± 10mm or better.		
4.22	Table top dimension: approx. 2000 mm x 800 mm.		
4.23	Table movement arrested by electromagnetic brakes.		
IV Floor Mounted Bucky Stand:(approx.)			
4.24	Vertical travel: from 460-1700mm or in the range.		
4.25	Moving Grid with Grid ratio not less than 8:1. Grid line number: 40 lines/cm or more.		
4.26	Cassette size: accept all sizes from 8"x10" to 14"x17".		
4.27	Movement arrested by electromagnetic brakes.		
V Floor Mounted Tube Stand:(approx.)			
4.28	Longitudinal travel: approx. 1750mm.		
4.29	Vertical travel: 630 -1850mm or in the range.		
4.30	Movement arrested by electromagnetic brakes.		
VI Collimator:			
4.31	Minimum 3 Point Exposure Technique.		
4.32	Status display, error display.		
VII Flat panel detector			
4.33	Amorphous silicon with Cesium Iodide (CSI) Scintillator FPD assuring lossless AED (automatic exposure detection)		
4.34	Detector should be water proof and water resistance must be grade IPX1/ IPX4/IPX6/IP54/IP57 including battery cell.		
4.35	Portable, wireless, at least 14x17 inches size detector		
4.36	The Pixel size should be ~ 150 microns or less.		
4.37	Should have a minimum image depth of 16 bit.		
4.38	Battery backup of at least 3 hours on standby or at least 100 continuous images.		
4.39	DQE: not less than 50%		
VIII Image Station			
4.40	Compatible PC: - CPU – Latest model processor, RAM – 8 GB, HDD – 500GB, latest windows 10 32/64bit with UPS. Display Monitor: at least 24" size		
IX Image Manipulation/Post processing Software:			
4.41	Multi patient viewing and printing.		
4.42	PIP(picture in Picture) option for viewing each part in a conventional way, facilitating image magnification, cropping and masking of image, distance and angle measurement etc.		
4.43	Measurement tools, zoom and Pan, Brightness and contrast adjustment, horizontal and vertical flip, actual size printing capability for accurate representation of anatomical size. Feature to support emergency patient study, auto reason and functionality with reason.		
4.44	With AED, selection of anatomical and age programs, selection of manual or automatic exposure.		
4.45	Should be compatible with HL-7, RIS/HIS and PACS system.		
4.46	Flat Panel detector must be compatible with the existing dry printer present in the hospital		
X Laser /Thermal Printer:			
4.47	Printer should have dry Laser image / thermal Technology, compatible with DICOM and PACS without loss of information, allowing multiple modalities to be connected at a time.		
4.48	Printing capacity more than 60 sheets/ hour.		
4.49	Film Print Sizes: 14 x 17, 10 x 12, 8 x 10		

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