

"स्थानीय प्राकृतिक श्रोत साधनको उपभोगको सुखात यसैबाट सुरु हुन्छ माई नगरपालिकाको समृद्धिको आधार"



# माई नगरपालिका

## नगर कार्यपालिकाको कार्यालय

फोन ०२७-४१२२२२,  
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प.सं. २०७९/८०

च.नं. १३६३

कोशी प्रदेश

क्याटलग विधि बाट एक्स-रे खरिद सम्बन्धि सूचना ।

प्रथम पटक प्रकाशित मिति: २०८०/०३/१२

यस कार्यालयको लागि आवश्यक पर्ने देहाय बमोजिमको 500mA CR, X-ray machine सहित सार्वजनिक खरिद नियमावली २०६४ को परिच्छेद ५ को नियम ३१ (ख) नियम अनुसार निर्धारण दर (क्याटलग शर्पिंग) विधि बाट संछिप्त प्रक्रिया अपनाई खरिद गर्नु पर्ने भएको हुँदा त्यस्तो मालसामान उत्पादक वा बिक्री वितरण गर्न इच्छुक आधिकारिक फर्म, कम्पनी वा संस्थाले फर्म दर्ता, एजेन्सी दर्ता, मु.अ.कर दर्ता प्रमाण पत्रको प्रतिलिपि, आर्थिक वर्ष २०७८/७९ को आयकर चुक्ता प्रमाणपत्रको प्रतिलिपि समावेश गरि सोहि नियमावलीको नियम ३१ (ख) को उपनियम २ बमोजिम उत्पादकको आधिकारिक स्पेसिफिकेशन, गुणस्तर, मूल्य र सुबिधा सहितको विवरण (क्याटलग वा ब्रोसर) संलग्न गरि यो सूचना प्रकाशित मितिले ७ (सात) औ दिन मध्यान्ह १२:०० बजे सम्म कार्यालय समयमा सिलबन्दी प्रस्ताव दर्ता गराउनहुन उत्पादक वा अधिकारिक बिक्रेताको लागि यो सूचना प्रकाशित गरिएको छ (सातौं दिन विदा पर्ने गणमा कार्यालय खुलेको पहिलो दिन)। नियमानुसार पेश हुन आएका प्रस्तावहरू सोहि दिन दिनको ०२:०० बजे यस कार्यालयमा खोलिने छ।

साथै सुचिकृत नभएका उत्पादक वा आधिकारिक बिक्रेता कम्पनीहरूले सुचिकृत गराई उक्त सिलबन्दी पेश गर्न सकिने व्यहोरा समेत जानकारी गराइन्छ।

सी.न.	ठेक्का न.	एक्स-रे मेशिनको नाम	सन्क्षिप्त विवरण	कैफियत
१	MM/CT/02/079/80	500mA CR, X-ray machine	नेपाल सरकारको आधिकारीक कार्यालयले प्रमाणीत गरेको स्पेसिफिकेशन अनुसार हुनुपर्ने छ ।	सन्क्षिप्त विवरणमा उल्लेख नभएका कुराहरू यसै सूचना संग संलग्न गरिएको स्वीकृत Technical Specification बमोजिम हुनेछ ।

महेन्द्र विश्वकर्मा  
प्रमुख प्रशासकीय अधिकृत

Technical specification for CR system

S.N	Purchaser's Specifications (FY:79/80)	Bidder Compliance sheet		
		Yes/no	Page no. in catlog	Remarks
	Computed Radiography System			
	Manufacturer:			
	Brand:			
	Type/Model:			
	Country of Origin:			
1	Description of Functions			
1.1	Radiography system to replace conventional Film/Screen based X-Ray processing techniques with photo stimuable Phosphors Plate technology to obtain Digital X-Ray Image.			
2	Operational Requirements			
2.1	Shall operate on single phase 220-240v AC mains supply			
3	System Configurations			
3.1	CR system shall consists of:			
3.2	Image Reader (CR reader/ digitizer): 1 unit.			
3.3	Processing server & workstation 1 unit			
3.4	Dry laser Printer: 1 unit.			
3.5	Image recording system ( Cassette & Plates)			
4	Technical Specifications			
4.1	The system shall be compatible for General Radiography application.			
4.2	Image Reader (CR reader/ digitizer):			
a	Shall have capability up to 60 plates per hour or more			
b	Grey scale resolution: CR reader / digitizer must have a minimum resolution of 12bits' pixel for images sent to CR processing station.			
4.3	Processing Server & Workstation:			
a	Must have a 17" LCD/TFT display to view images of resolution 1KX1K			
b	Must be possible to take print outs directly. Mechanism for printing multiple images in one film, with the possibility of slide and true size printing.			
c	capability of storing user defined image processing parameters			



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d	Manual correction typographically in Patient Demographic module, in case of any problem with HIS/NS connection.			
e	capability of changing w/L, Flipping, rotating, zooming, collimating Annotating incomings image			
4.4	Dry laser Printer: Resolution of not less than 320 dpi or more. The system must be able to print not less than 60 film/hr of the largest size. Must have a grey scale resolution of at least 14 bits.  Shall have at least two online universal trays and have mechanism to print images 14X17 & 10X12 or 8X10 film size simulations			
5	Accessories, Spare Parts and Consumables			
5.1	Accessories: IP/Cassettes size: 14X17 : 2 Nos 10X12 : 1 Nos 8X12 : 1 Nos  UPS: 3KVA online UPS for back up of at least 30 minutes.			
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 -240 VAC, 50Hz Single phase fitted with appropriate plug. The power cable must be at least 3 meter 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) or USFDA approved product certificate.			



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8	User Training			
8.1	Must provide user training (including how to use and maintain the equipment)			
9	Warranty			
9.1	warranty for 2years			
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.			



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संघीय स्वास्थ्य विभाग  
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S.N	Purchaser's Specifications (f./y- 79/80)	Bidder's Compliance Sheet	
		Yes/No	Page No in Catalogue Remarks
	X-ray- 500MA		
	Manufacturer		
	Brand		
	Type/Model		
	Country of Origin		
	<b>1 Description of Function</b>		
	1.1 Ageneral purpose X-ray Machine for routine X-Ray Examinations at healthcare Facilities		
	<b>2 Operational of functions</b>		
	2.1 It shall be suitable to be used for adult & paediatric patients in general radiography examination		
	<b>3 System Configurations</b>		
	3.1 X-ray Generator , 1 Unit		
	3.2 X-Ray Tube & Tube Support System , 1 Unit		
	3.3 Radiographic Patient Table(fixed table type), , 1 unit		
	3.4 Wall mounted bucky stand , 1 unit		
	<b>4 Technical specifications</b>		
	X- ray Generator		
I	Bidder shall indicate brand & model information here & provide technical data document for X-ray generator offered		
	4.1 Line frequency or high frequency generator the generator shall have at least 40KHZ		
	4.2 Genator Output Not Less then 40KW (500 MA at 120KV)		
	4.3 Radiographic voltage: 40kv to 120kv in 1kv step or better		
	4.4 Radiographic current : 50 to 500ma or better		
	4.5 Exposure Time: 0.01 sec (1msec)-5sec or better		
	4.6 Power Supply: 3 Phase. 380-415v 50/60Hz or single phase		
II	X-ray Tube: ( approx.)		
	4.1 X- Ray Tube Rotation +/- 120 Degree		
	4.1 Large focus not more then 1.2 mm		
	4.1 small focus not more then 0.6mm		
	Maximum tube voltage 120kv maximum tube output shall not less than with the generator output of		
4.1	not less then 40kw		



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स्वास्थ्य विभाग

4.1	Filtration min 2.5 mm Al equivalent		
4.2	Cooling method passive or forced air and /or oil cooling		
4.2	Anode rotation speed : more then 3000rpm		
4.2	Anode heat capacity shall not be less then 140 KHU.		
III	Radiography patient Table : (approx.)		
4.2	Radiography tube shall be fixed height, fixed table come with grid and cassette tray, with grid ratio not less than 10:1 Grid line number 40 line/cm.		
4.2	focus distance:115cm.		
4.2	Cassette Size : accept all sizes from cassette 5"x7" cm to 14"x17" Type		
4.2	Radiography table shall be fixed height of about 60cm		
4.3	Table top dimension :approx 2000mmx800mm		
IV	Wall mounted bucky stand : (Approx)		
4.3	Cassette size Accept all Size from 5"x7" to 14"x17" .		
V	floor mounted tube stand : (Approx)		
4.3	Longitudinal Travel: Approx . 1750mm		
4.3	Vertical Travel: from 630-1850mm or in the range		
4.4	Movement arrested by electromagnetic brakes		
VI	Collimator :		
4.4	Manually Adjustable		
4.4	Manually Selectable Filters		
4.4	Light localizer with Timer controlled Light		
4.4	Built - in light switch Should be Provided		
4.4	Turning Angle Should be Min +/- 45°		
4.4	Halogen Land		
VII	Control Console		
4.4	Digital Display		
4.4	Minimum 5 Point Exposure technique		
4.5	Status Display , Error Display		
5	Accessories , Spare Parts & Consumables		
6	Operating environment		
	All standard Accessories , Consumables & Parts Ruquired to operate the equipment , including all standard tools and cleaning & Jumbriication materials , to be included in the offer bidders must specify The Quantity of Evary item included in their offer ( including items not spacificed above)		


  
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6.1 etc	The system offered shall be designed to be stored & to operate normally under the conditions of the purchaser's country. The conditions include power supply , climate , temperature , humidity ,		
	Power Supply: 380-415VAC 3 phase 50HZ Fitted With appropriate plug for X-ray Generator fitted with appropriate plug for other units . The power cable must be least 3 inches in length		
7	Standards & safety requirements		
7.1	Must submit ISO 13485: 2003/ AC:2007AND		
7.2	CE(93/42EEC Directives) Or AERB Or USFDA approved Product certificate		
8	User Training		
	The Supplier Shall conduct User Training For this Equipment to enable operators To use the equipment properly . The training shall include the used of all operational Of the equipment , as well as routine checks & Maintenance Expected by users .		
9	Warranty		
9.1	Comprehensive Warranty For 2 Years From Acceptable		
10	Maintenance Service During warranty Period		
	During Warranty Period Supplier must ensure Preventive Maintenance & Corrective / Breakdown		
10	Maintenance When Ever Required		
11	Installation & Commissioning		
	The Bidder must arrange for the equipment to be Installed By certified or qualified Personnel :		
11	any prerequisites for installation to be communicated to the purchaser in advice, in detail .		
12	Documentation		
12	User (Operating ) Manual in English .		

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*(Signature)*



*(Signature)*  
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