



रम्भा गाउँपालिका
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लुम्बिनी प्रदेश, नेपाल

प.स: ०८२/०८३

च.नं :

क्याटलग सपिड विधिबाट Portable 100mA LF X-Ray Machine र Semi-Automated Bio Chemistry Analyzer Machine खरिद सम्बन्धी सूचना!

(प्रथम पटक प्रकाशित मिति: २०८३/०१/१५)

यस गाउँपालिकाबाट चालु आ.व २०८२/८३ मा विनियोजित बजेटबाट यस गाउँपालिका वडा नं ५, ताहूँ स्थित ताहूँ प्राथमिक स्वास्थ्य केन्द्रमा सेवा सुदृढीकरणका लागि आवश्यक Portable 100mA LF X-Ray Machine र Semi-Automated Bio Chemistry Analyzer Machine खरिद गर्नुपर्ने भएकाले सार्वजनिक खरिद ऐन, २०६३(संशोधन सहित) को दफा ८ उपदफा (१) "क" (८) तथा सार्वजनिक खरिद नियमावली, २०६४ (तेह्रौँ संशोधन सहित) नियम ३१ (ख) बमोजिम उत्पादक कम्पनी वा सोको आधिकारिक विक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउन क्याटलग सपिड विधिबाट खरिद गर्नुपर्ने भएको हुँदा देहाय बमोजिमका मेशिनहरु विक्री गर्न चाहने इच्छुक योग्य उत्पादक कम्पनी वा त्यसको आधिकारिक विक्रेताहरुले कम्पनी/फर्म दर्ता प्रमाणपत्र, एजेन्सी दर्ता प्रमाणपत्र, मूल्य अभिवृद्धि कर दर्ता प्रमाणपत्र, आ.व २०८१/८२ को कर चुक्ता प्रमाण-पत्र साथै आ-आफ्नो उत्पादन तथा विक्री गर्ने X-Ray Machine र Analyzer Machine को आधिकारिक स्पेसिफिकेसन, गुणस्तर, मूल्य र सुविधा सहितको विवरण (क्याटलग वा ब्रोसर) संलग्न गरी यो सूचना प्रकाशित भएको मितिले ७(सात) दिनभित्र यस कार्यालयमा शिलबन्दी सहितको प्राविधिक प्रस्ताव पेश गर्नुहुन सम्बन्धित सबैमा जानकारीका लागि यो सूचना प्रकाशन गरिएको छ।

साथै सूचीकृत नभएका उत्पादक तथा आधिकारिक विक्रेता कम्पनीहरुले सूचीकृत गराई उक्त शिलबन्दी प्रस्ताव पेश गर्न सकिने व्यहोरा समेत जानकारी गराइन्छ।

क्र.स	ठेका नं	संक्षिप्त विवरण	आवश्यक संख्या	कैफियत
१	Procurement of Supply And Delivery of X-Ray Machine and Analyzer Machine Catalogue No: (RRM/G/CS/PAL/01/2082-083)	a. X-Ray Machine b. Analyzer Machine	As per approved Technical Specification १/१	स्वीकृत Technical Specification यस कार्यालयको वेबसाइट www.rambhamun.gov.np बाट हेर्न सकिनेछ

(वीर बहादुर पुन)

प्रमुख प्रशासकीय अधिकृत



Rambha Rural Municipality
Office of Rural Municipal Executive
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Technical Specification of Portable 100mA LF X-Ray Machine

S. N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Ref Docs Page No.	Remarks
	Portable 100mA LF X-Ray Machine			
	Manufacturer			
	Brand			
	Type /Model			
	Country of Origin			
Note to the Bidders:				
1. Bidders must completely fill the Technical Specification Form (TSF) in detail with corresponding page no. of catalogue/brochure/technical datasheet.				
2. Only Yes/No/Comply should not be written.				
3. Any deviation must be clearly mentioned.				
4. Bidders must submit original catalogue/brochure/technical datasheet with the bid document.				
1	Description of Function			
1.1	A general X-ray machine 100mA LF with Horizontal Bucky Table.			
2	Operational Requirement			
2.1	It shall be suitable to be used for adult and pediatric patient in general radiography examination and it shall operate on single phase AC power supply.			
3	System Configurations			
3.1	X-ray, Control Console, Tube Head Mobile Column Stand HBT Complete Machine.			
2.0	Technical Specification			
2.1	X-ray 100 LF Mobile Based:			
2.2	Power Output: not less than 8.0kW or better			
2.3	Should have mA Range 100 mA or More			
2.4	kV Range: 35 to 100kvp			
2.5	Exposure time 0.02 to 5 Sec			
2.6	Tube head transformer with silicon rectifiers Heavy Duty Transformer.			
4.7	Display Kv, mA and mAs			
4.8	Must have Line Voltage Overload protection.			
4.9	Must have Exposure Switch attached.			
4.10	Display should be LED microcontroller programing based.			
4.11	Must have X-ray Exposure switch.			
4.12	Mobile Column Stand should be 5fit or More.			
4.13	Table: <ul style="list-style-type: none">Horizontal Bucky Table for radiography with grid and cassette tray.The Bucky tray must accept cassettes up to "14x17".			

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Technical Specification of Portable 100mA LF X-Ray Machine

5	Accessories, spares and consumables			
	Accessories:			
5.1	<ul style="list-style-type: none">• Wall mount X-ray Chest stand- 1 no.• Remote control kit/wired hand switch- 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 – 240 VAC, 50Hz fitted with suitable power cable for easy connection to any wall outlet.			
7	Standards & Safety Requirements			
7.1	Must submit ISO 9001/ ISO 13485			
7.2	Must submit CE approved product certificate			
7.3	Shall meet IEC-60601-1:2015 General Requirements of Safety for Electromagnetic Compatibility. Document evidence shall be submitted for evaluation			
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 years after acceptance.			
10	Maintenance Service During Warranty Period			
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
11	Installation and Commissioning			
11.1	The bidder must arrange for the equipment to be installed and commissioned 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	The supplier must submit the original brochure or e-copy.			
12.4	Must Submit Manufacture Authorization/Authorization letter to Bidder provided by Authorized Importer of Nepal, Manufacturer Authorization to Authorized Importer must be Included in this case.			



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२०७३



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Technical Specification of Semi-Automated Bio-Chemistry Analyzer

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Ref Docs Page No	Remarks
	Semi-Automated Bio-chemistry Analyzer			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
Note to the Bidders:				
1. Bidders must completely fill the Technical Specification Form (TSF) in detail with corresponding page no. of catalogue/brochure/technical datasheet.				
2. Only Yes/No/Comply should not be written.				
3. Any deviation must be clearly mentioned.				
4. Bidders must submit original catalogue/brochure/technical datasheet with the bid document.				
1	Description of Function			
1.1	The Semi-automated Bio-chemistry Analyser measures biochemical indexes by analyzing blood and other body fluid, then combines with other clinical information, to help diagnose disease, evaluate organs function.			
2	Operational Requirements			
2.1	Semi-automated Chemistry Analyzer with built in software for the calculation and curve plotting. It must accept all types of curve fits like log-linear, Exponential, point to point.			
2.2	Memory for up to 150 chemistries minimum; programmable by the user.			
2.3	The Analyzer should show Real Time Graph during running time.			
3	System Configuration			
3.1	Semi-automated chemistry Analyzer with in-built data processor & LCD/LED display with 150 User defined test programs with sipping facility, inbuilt thermal printer and RS 232 serial port for communication or USB etc.			
4	Technical Specifications			
4.1	Light Source: Halogen Lamp or LED			
4.2	Wavelength Range: Optic: min. 6 Wavelength Range: Automatic selection by at least 6 position filter wheels ranging 340 - 630 nm. Standard 6 filters & two filters optional.			
4.3	Photometric Range: 0 to 3.0 Absorbance			
4.4	Calculation Modes:			
A.	Absorbance/concentration			
B.	End point			
C.	Fixed time			
D.	Kinetic mode			
E.	Coagulation mode etc			
4.5	Should have auto diagnostic feature on start.			
4.6	Should Flow Cell- Approx.30 µl.			



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Technical Specification of Semi-Automated Bio-Chemistry Analyzer

4.7	Temperature control 37° C±0.2° C			
4.8	Should have min. 2000 tests internal memory.			
4.9	Heating Block of minimum 8 positions should be available either inbuilt or connected with the instrument. The external heating block must be controlled by instrument			
4.10	Should have dual measuring mode flow cell and cuvette.			
4.11	Should have inbuilt thermal printer.			
5	Accessories, spares and consumables			
5.1	Trial kits of one kit each for 3 different parameters -01 set			
5.2	Printer paper: 1 rolls			
5.3	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 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 fitted with appropriate plug.			
7	Standards and Safety Requirements			
7.1	Must submit ISO 13485 or better for Medical devices.			
7.2	CE or USFDA approved product certificate.			
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 years from acceptance.			
10	Maintenance Service During Warranty Period			
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.			
11	Installation and Commissioning			
11.1	The bidder must arrange for the equipment to be installed and commissioned 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/ Technical / Maintenance)) manual in English			
12.2	Certificate of calibration and inspection from factory.			



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