



# मिकलाजुङ गाउँपालिका

Miklajung Rural Municipality

गाउँ कार्यपालिकाको कार्यालय

Office of Rural Municipal Executive

मधुमल्ला, (मोरङ)  
Madhumalla, (Morang)

Website : [www.miklajungmunmorang.gov](http://www.miklajungmunmorang.gov)

Email: [miklajungmun@gmail.com](mailto:miklajungmun@gmail.com)

कोशी प्रदेश, नेपाल

Koshi Province, Nepal

प.सं. (L.No.): ०७५/८०

च.नं. (Ref No.):

प्रथम पटक प्रकाशित मिति: २०८०।०९।०७

क्याटलग सपिड बिधिबाट मधुमल्ला अस्पतालको लागि औजार उपकरण खरिदको सूचना

१. यो सूचना प्रकाशित भएको मितिले १५ दिन कार्यालय समय भित्र आ.व. २०७९।०८० का लागि नविकरण गरिएको फर्म दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाण पत्र, आ.व. २०७८।०७९ को कर चुक्ता प्रमाण पत्र स्पेसिफिकेशन, गुणस्तर, मूल्य, वारेन्टी ग्यारेन्टी तथा अन्य सुविधा सहित यसै सूचना साथ संलग्न रहेको स्पेसिफिकेशन अनुसारको सिलबन्दी क्याटलग ब्रोसर दर्ता गराउनु पर्ने छ ।
२. प्राविधिक मुल्यांकनमा योग्य बोलपत्रदाताहरूको सूचिको आधारमा खरिद गर्ने मालसामानको बिक्रेताबाट तोकेको मूल्यमा छुट र सुविधा थप हुन सक्ने विवरण सहित आर्थिक प्रस्ताव माग गरिने छ ।
३. निवेदन पेश गर्ने अन्तिम दिन सार्वजनिक विदा परेमात्यसपछि कार्यालय खुलेको दिन कार्यालय समय भित्र क्याटलग पेश गर्नुपर्नेछ ।
४. यो सूचनामा उल्लेखित छुट भएकाअन्य कुराहरू सार्वजनिक खरिद ऐन २०६३, तथा अन्य प्रचलित कानून बमोजिम हुनेछ ।
५. यस सँग सम्बन्धित संक्षिप्त स्पेसिफिकेशन [www.miklajungmun.gov.np](http://www.miklajungmun.gov.np) मा हेर्नुहोला ।
६. यस सँग सम्बन्धित लागत अनुमान निम्नानुसार रहेको छ ।

सि.नं.	विवरण	लागत अनुमान
१	हेमाटोलोजी एनलाइजर ३पार्ट	६८००००
२	भिडियो एक्स रे मेसिन	१५८५६००
	जम्मा	२२६५६००

७. थप जानकारीका लागि स्वास्थ्य शाखा प्रमुख चिन्तामणि पोखरेललाई ९८५२०३३०२७ मा सम्पर्क गर्नुहोला ।

९/९  
उम्मेर बल्लभ बराल  
प्रमुख प्रशासकीय अधिकृत

# TECHINICAL SPECIFICATION FOR USG, PORTABLE, COLOUR DOPPLER

S. N.	Purchaser's Specifications(Miklajung Rural Mun FY:79/80 )	Bidder's Compliance Sheet		
		Yes/No	Page No. in Catalogue	Remarks
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type/Model</b>			
	<b>Country of Origin</b>			
1	<b>Description of Functions</b>			
	A general purpose notebook-type colour Doppler ultrasound imaging system.			
2	<b>Operational Requirements</b>			
	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	<b>System Configurations</b>			
A	Portable colour Doppler ultrasound imaging system, 1 unit.			
B	Following transducers or similar frequency range to be quoted as standard:			
i	1 unit of broad bandwidth of approx. 2 - 5MHz convex array probe for OB/GYN and abdominal application.			
ii	1 unit of broad bandwidth of approx. 5 - 10MHz Linear array probe for OB/GYN and abdominal application.			
iii	1 unit of Black & White thermal printer.			
iv	USG Trolley 1 unit			
4	<b>Technical Specifications</b>			
	<b>Main unit:</b>			
A	The system must be latest generation technologically advanced Digital Portable Color Doppler system, with physical alphanumeric and Backlit keyboard,			
B	Dynamic range of at least 150db to pick up subtle echoes.			
C	System must be offered with a minimum 12 inch Widescreen High Resolution Medical grade rotatable LED monitor.(At least 0-20)			
D	System should have at least 2 active universal probe ports,			
E	Operating modes B-mode, M-mode, B/M Mode, , PW Doppler,CW etc.			
F	System should support broad band probes spanning a frequency of 1-16MHZ.			
G	In-built hard disk with minimum capacity of 500 GB. And built-in battery should support at least 90 minutes of scanning.			
H	System must be offered with Speckle Reduction imaging: Image processing technique to remove speckle and clutter artifacts.			
I	System should have facility of DICOM, at least 2 USB ports.			
J	System should be capable of scanning depth of at least 30cms. Scanning Depth should be clearly mentioned in the technical quote. If not mentioned please attach a letter from manufacturer along with the technical bid clearly stating the scanning depth in the offered system.			
K	System must be offered with 8 TGC slide pot with independently adjustable Gain control.			
L	Real time flow volume analysis should be available.			
M	The system should have all measurement packages: Abdominal, OB, GYN, etc.			
N	System should have Digital zoom facility for region of interest.			
O	System should have Trapezoid Imaging, Spatial Compound Imaging, B steer.			

Biomedical Engineer

MOH-PHLMC-1

NEC No.: 254 'Biomedical' 'A'



S. N.	Purchaser's Specifications(Miklajung Rural Mun FY:79/80)	Bidder's Compliance Sheet		
		Yes/No	Page No. in Catalogue	Remarks
R	The system should have Gain of 1~255 adjustable.			
S	The system should have quick measurement, which can be defined & select by one button.			
T	The system should have user define keys for friendly operation.			
5	<b>Accessories, Spare Parts and Consumables</b>			
A	All standard accessories/consumables/parts (including 2 x 5Ltr. Jar of ultrasound gel) required for the proper operation of the above item shall be included in the offer.			
B	Provide branded USG Trolley with machine.			
6	<b>Operating Environment</b>			
	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug.			
7	<b>Standards &amp; Safety Requirements</b>			
A	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
B	CE (93/42 EEC Directives) and USFDA approved product certificate.			
C	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.			
8	<b>User/Technician Training</b>			
	The Supplier shall conduct user/technician 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	<b>Warranty</b>			
	Comprehensive warranty for 2 years after acceptance.			
10	<b>Maintenance Service During Warranty Period</b>			
	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11	<b>Installation and Commissioning</b>			
	Supplier must accomplish proper installation & commissioning of equipment onsite.			
12	<b>Documentation</b>			
A	User (Operating) manual in English.			
B	Service (Technical / Maintenance) manual in English.			
C	List of important spare parts and accessories with their part number and costing.			

**Note:**

Bidder must completely fill the Technical Specification Form (TSF).

Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted.

Failure in doing so may lead to rejection of bid from technical committee.

Prepared by:

Er. kushal dahal

Biomedical engineer

phlmc-1

Biomedical Engineer  
MOH-PHLMC-1  
NEC No.: 254 'Biomedical' 'A'



# Technical Specification for: Haematology Analyzer

S.N.	Purchaser's Specifications(Mikilajung Rural Mun FY:79/80 )	Bidder's Compliance Sheet		
		Yes/No	Page No. In Catalogue	Remarks
	<b>Item Name: Fully Automated Haematology Analyzer</b>			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
<b>1</b>	<b>Description of Function</b>			
	An Automatic Hematology Cell Counter that measures Hematology parameters including 3-part differential of WBC, RBC, PLT, etc.			
<b>2</b>	<b>Operational Requirements</b>			
	An Automatic Hematology Cell Counter that Hematology parameters including 3-part differential of WBC, RBC, PLT, etc.			
<b>3</b>	<b>System Configuration</b>			
	Automatic Cell Counter, complete unit with all standard accessories.			
<b>4</b>	<b>Technical Specifications</b>			
a	Parameters: min 18 parameter: WBC, Lym, RBC, MCV, Hct, MCH, MCHC, RDW, PLT, MPV, Pct, PDW, etc.			
b	Measurement Principle: Flow cytometry laser Technology .			
c	Operating System: Genuine Windows based/ linux based operating system with color Touch screen.			
d	Sample volume: Whole blood up to 30 µl.			
e	System should be capable of analysing other body fluids.			
f	Should have comprehensive QC program facility.			
g	Throughput: 60 sample/hour			
<b>5</b>	<b>(CV approx.):</b>			
a	WBC: ≤ 3 %			
b	RBC: ≤ 2 %			
c	HGB: ≤ 1.5%			
d	HCT: ≤ 2%			
e	PLT: ≤ 5%			
<b>6</b>	<b>Connection and interface: Fast ethernet LAN adapter, RS232, 1 parallel port, and USB port</b>			
<b>9</b>	<b>Accessories, spares and consumables</b>			
a	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.			
<b>10</b>	<b>Operating Environment</b>			
a	The product 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.			
b	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug.			
<b>11</b>	<b>Standards and Safety Requirements</b>			
a	Must have ISO 13485, USFDA or CE (EC Directives marked certificates) Approved Product.			
B	Shall meet IEC 61010- safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.			
<b>12</b>	<b>User/Technician Training</b>			
	Must provide user/technician training (including how to operate/use and perform routine maintenance on the equipment).			
<b>13</b>	<b>Warranty (Written Document)</b>			
a	Comprehensive Warranty for 2 years.			
<b>14</b>	<b>Installation and Commissioning</b>			
	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.			
<b>15</b>	<b>Documentation</b>			
a	User (Operating) manual in English.			
	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. Failure in doing so may lead to rejection of bid from technical committee.			
	Prepared by:			
	Er. kushal dahal			
	Biomedical engineer			
	ph/mc-1			

Biomedical Engineer  
MOH-PHLMC-1  
NEC No.: 254 'Biomedical' 'A'

