



बरेङ गाउँपालिका  
गाउँ कार्यपालिकाको कार्यालय

हुम्लेशिर, बागलुङ  
गण्डकी प्रदेश, नेपाल  
२०७३



पत्र संख्या : २०८२/०८३

सूचना नं. : ६९

मिति : २०८३/०१/०८

नेपाल संवत : १९४६ बसुन्दा

दररेट उपलब्ध गराउने सम्बन्धी सूचना ।

प्रस्तुत सन्दर्भमा यस गाउँपालिकाको आर्थिक वर्ष २०८२/०८३ मा सङ्घीय सरकारबाट हस्तान्तरित वार्षिक स्वीकृत विशेष अनुदानको बर्थिङ सेन्टर तथा स्वास्थ्य संस्था व्यवस्थापन एवम् सुदृढीकरण कार्यक्रम अनुसार गाउँपालिकामा रहेका स्वास्थ्य संस्थाहरूको लागि मेडिकल उपकरणहरू खरिद गर्नु पर्ने भएको हुदाँ मेडिकल उपकरणहरू उपलब्ध गराउन इच्छुक आपूर्तिकर्ताले यो सूचना प्रकाशन भएको मितिले ०७ (सात) दिन भित्र दररेट उपलब्ध गराउनुहुन यो सूचना प्रकाशन गरिएको छ ।

  
(बद्री नाथ पोखरेल)

प्रमुख प्रशासकीय अधिकृत


बद्री नाथ पोखरेल

प्रमुख प्रशासकीय अधिकृत

नोट:- मेडिकल उपकरणहरूको विवरण र Technical Specification यसै पत्र साथ संलग्न गरीएको छ ।

"समुद्र बरेङ सुखी, बरेङबासी"

E-mail: info@barengmun.gov.np | Web: www.barengmun.gov.np | Contact: +9779857632328

  
 Bareng Rural Municipality  
 Office of Rural Municipal Executive  
 Hugdishir, Baglung, Gandaki Province  
 मेडिकल उपकरणहरूको विवरण

क्र स	विवरण	परिमाण	इकाई	दररेट(भ्याट बाहेक)
1	Hospital bed	1	Pcs	
2	Foetal dupplor	1	Pcs	
3	Needle Destroyer	1	Pcs	
4	Strecher	1	Pcs	
5	Bed side Screen	1	Pcs	
6	Trolley	1	Pcs	
7	Otoscope	1	Pcs	
8	Autoclave	1	Pcs	
9	Protoscope	1	Pcs	
10	Sphygmomano	1	Pcs	
11	IV Stand for Hooks	1	Pcs	
12	Examination Table	1	Pcs	
13	Hartmann crocodile	1	Pcs	
14	Forein body removal hook	1	Pcs	
15	Foot step (Single)	1	Pcs	
16	Minor Dressing Set	1	Pcs	
17	Electronic Adult Weighing Scale	1	Pcs	
18	Delivery Set	1	Pcs	
19	Delivery Gown	1	Pcs	
20	Goggles	1	Pcs	
21	Manual Foot Opreated Suction	1	Pcs	
22	Electric Suction Pump	1	Pcs	
23	Water Quality Analyser	1	Pcs	
24	Protoble USG Machine	1	Pcs	

  
 २१ फागुन



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Hospital Bed</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type/Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	A hospital bed is a bed specially designed for hospitalized patients in need of patient ease. These beds have special features both for the comfort and well-being of the patient and for the convenience of hospital staff.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	The patient bed shall be made of solid steel construction with anti-corrosive and antirust treated baked hard epoxy powder coating	
<b>3</b>	<b>System Configuration</b>	
3.1	Hospital Bed epoxy powder coated	
<b>4</b>	<b>Technical Specifications</b>	
4.1	Bed base shall be anti-corrosive and antirust treated epoxy powder coated welded steel bar or epoxy powder coated 18G perforated sheet top to improve ventilation.	
4.2	The patient bed shall be fixed height with 2 sections where the backrest section could be elevated by mechanical hand crank located at the foot-end of the bed.	
4.3	Shall have 4 IV rod receptacles at the 4 corners	
4.4	It shall come with one dual hook anti-corrosive and antirust treated epoxy powder coated or 304 grade stainless steel IV rod.	
4.5	Shall have provisions to fix urinary bag on both sides.	
4.6	All 4 legs of the hospital bed shall be capped with heavy duty rubber footings.	
4.7	Bedhead and foot-end panel (head and foot bows) shall be made of either between 4-6 anti-corrosive and antirust treated epoxy powder coated vertical tubular tube of not less than 30mm in diameter.	
4.8	Both bedhead and foot-end panel shall be detachable.	
4.9	The height of the bedhead panel: not less than 1060mm from floor.	
4.1	The height of the foot-end panel: not less than 820mm from floor.	
4.11	Overall approximate dimension: not less than 1980mm length, 910mm width, 600mm height	
4.12	The color of the paint or coating shall be white.	
<b>5</b>	<b>System Configuration Accessories, spares and consumables</b>	
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.	
<b>6</b>	<b>Operating Environment</b>	
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.	
<b>7</b>	<b>Standards and Safety Requirements</b>	

*[Handwritten signature]*



7.1	Must submit ISO 13485:2016 and ISO 9001	
8	<b>User Training</b>	
8.1	Not applicable.	
9	<b>Warranty</b>	
9.1	Warranty for 1 year.	
10	<b>Maintenance Service During Warranty Period</b>	
10.1	Standard warranty conditions are applicable.	
11	<b>Installation and Commissioning</b>	
11.1	Must supply preassembled unit, ready to use.	
12	<b>Documentation</b>	
12.1	Users/Instructions manual shall be provided in English.	

Prepared By:

Name: Er. Abhishek Pradhan  
Designation: Sr. BMET  
NEC Registration No.: 5194 "Elex & Comm"  
Office: Civil Service Hospital, Kathmandu



**Portable Doppler Fetal**

S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Portable Doppler Fetal</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type/Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Technical Specifications</b>	
1.1	Should be portable/handheld, lightweight and easy to carry.	
1.2	Suitably Placed LCD display of function and parameters, individual programming for different Surgeons.	
1.3	The ultrasound frequency should at least be 2.0 MHz	
1.4	Ultrasound output should atleast be 10mW/cm <sup>2</sup>	
1.5	Built-in loudspeaker with volume control and headphone output jack.	
1.6	Should operate on inbuilt rechargeable batteries.	
1.7	Rechargeable Lithium-ion battery	
1.8	Transducer probe should be Waterproof probe for easy disinfection (IPX4 rating or higher).	
1.9	The FHR measurement range should be 50bpm to approx 240 bpm	
1.10	Display should not be less then 3.5 inches	
1.11	Switching between heart rate display and waveform display should be possible	
1.12	Battery charger with AC adaptor should be provided	
<b>2</b>	<b>System Configuration Accessories, spares and consumables</b>	
2.1	Ultrasound gel, approximately 350ml -2 Pcs	
<b>3</b>	<b>Standards and Safety Requirements</b>	
3.1	Must submit ISO 13485:2016 and ISO 9001	
3.2	Must Submit CE Certificate.	
<b>4</b>	<b>User Training</b>	
4.1	Not applicable.	
<b>5</b>	<b>Warranty</b>	
5.1	Warranty for 1 year.	
<b>6</b>	<b>Maintenance Service During Warranty Period</b>	
6.1	Standard warranty conditions are applicable.	
<b>7</b>	<b>Installation and Commissioning</b>	
7.1	Must supply preassembled unit, ready to use.	
<b>8</b>	<b>Documentation</b>	
8.1	Users/Instructions manual shall be provided in English.	

Prepared By:

Name: Er. Abhishek Pradhan

Designation: Sr. BMET

NEC Registration No.: 5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu




**Needle Destroyers**

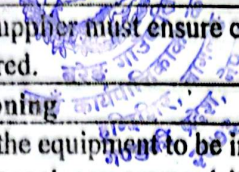
S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Needle Destroyers</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type / Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	Needle destroyers are used to destroy the needles instantly to prevent reuse and manage waste management effectively.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	The needle should be completely incinerated without visible sparking and arcing	
<b>3</b>	<b>System Configuration</b>	
3.1	Needle Destroyers, complete unit with complete accessories.	
<b>4</b>	<b>Technical Specifications</b>	
4.1	Boilt in SS sharp blade cutter to cut the nozzle of the syringe	
4.2	Needle destruction rate shall be max. of 2 seconds per needle.	
4.3	Provision of removabe and reusable collection receptacle for syringe nozzle and needle debris of approximately 500 syringes.	
4.4	Preferably shall have collection receptacle to have a see-through panel to view the waste.	
4.5	During operation and removal of refuses the container shall be designed for safe handling against any injury or spill over / contact with debris.	
4.6	Provision of on/off switch and pilot lamp.	
4.7	Unit shall be made of high grade stainless steel material.	
4.8	Must be able to destroy of all types of needle.	
4.9	Unit shall be shock proof and provided with proper insulation as per international safety standard norms.	
<b>5</b>	<b>Accessories, spares and consumables</b>	
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).	
<b>6</b>	<b>Operating Environment</b>	
6.1	The system offered shall be designed to store 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 as appropriate fitted with appropriate plug. The power cable must be at least 3 metre in length.	
<b>7</b>	<b>Standards and Safety Requirements</b>	
7.1	Must submit ISO 13485:2016 and ISO 9001	
<b>8</b>	<b>User Training</b>	
8.1	Must provide user training (including how to use and maintain the equipment).	
<b>9</b>	<b>Warranty</b>	
9.1	Comprehensive warranty for 2 years after acceptance.	
<b>10</b>	<b>Maintenance Service During Warranty Period</b>	



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Stretcher</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type/Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	Foldable stretcher for carrying patients who require medical care.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	Fixed type foldable (width wise fold) stretcher without wheels.	
<b>3</b>	<b>System Configuration</b>	
3.1	Foldable stretcher with two light weight poles with handgrips.	
<b>4</b>	<b>Technical Specifications</b>	
4.1	Open size: approximately 207cm L x 55cm W x 15cm H.	
4.2	Folded size: approximately 207cm L x 8cm W x 15cm H.	
4.3	Poles: Two lightweight carrying poles made of non-ferrous metal like heavy duty Aluminium Alloy. These to be hollow tube poles with proper non-slip shaped handgrips.	
4.4	Stretcher material: Preferably in nylon or similar synthetic material but heavy duty canvas is acceptable.	
4.5	The material shall be turnover edged and then double stitched in nylon thread on all edges.	
4.6	Pole 'tunnels' are to be double stitched in nylon thread and reinforced with non-ferrous metal (brass) rivets/ eyelets	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Not applicable.	
<b>7</b>	<b>Warranty</b>	
7.1	Warranty for 1 year.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	Not applicable.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Must supply preassembled unit, ready to use.	
<b>10</b>	<b>Documentation</b>	
10.1	Not applicable.	

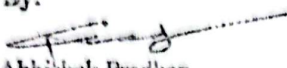
Prepared By:

  
 Name: Er. Abhishek Pradhan  
 Designation: Sr. EMET  
 NEC Registration No.: 5194 "Elex & Comm"  
 Office: Civil Service Hospital, Kathmandu



10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	<b>Installation and Commissioning</b>	
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	<b>Documentation</b>	
12.1	User (Operating) manual in English.	

Prepared By:

  
Name: Er. Abhishek Pradhan

Designation: Sr. BMET

NEC Registration No.: 5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Bed Side Screen</b>	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	Provides patient privacy during medical examinations and procedures in hospital wards, operating rooms, and changing areas	
<b>2</b>	<b>Operational Requirements</b>	
2.1	Epoxy powder coated three fold patient screen.	
<b>3</b>	<b>System Configuration</b>	
3.1	Patient Screen with light blue curtain and fully swivel twin wheel castors.	
<b>4</b>	<b>Technical Specifications</b>	
4.1	Three fold ward screen approx. total size 2450 w x 1650 h mm in three sections.	
4.2	Mild steel tubular construction with epoxy powder coated treated in three section 600mm span width at each side and 1210 mm span width in the middle) and mounted on wide spaced legs for each section, and each foot to have two swivel castors size 50mm.	
4.3	To be supplied with hooks, springs and heavy duty curtain, firmly attached at sides, top and bottom. Curtain must have no gaps between sections	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Not applicable.	
<b>7</b>	<b>Warranty</b>	
7.1	Warranty for 1 year.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	Standard warranty conditions are applicable.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Must supply preassembled unit, ready to use.	
<b>10</b>	<b>Documentation</b>	
10.1	Not applicable.	

Prepared By:

Name: Er. Abhishek Pradhan

Designation: Sr. BMET

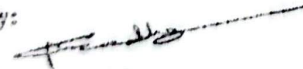
NEC Registration No.: 5194 "Elec & Comm"

Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Instrument Trolley</b>	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	An instrument trolley for laying out surgical instruments in the operation theatre.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	Stainless steel instrument trolley with swivel castors.	
<b>3</b>	<b>System Configuration</b>	
3.1	Instrument trolley with two shelves, railings, SS bowl, four swivels castors.	
<b>4</b>	<b>Technical Specifications</b>	
4.1	It shall be constructed fully with 304 grade stainless steel sheet and tube or better	
4.2	Overall size: approximately 860 H x 460 W x 760 L mm	
4.3	It shall be have 2 tiers of grade 304 stainless steel shelves, top approx. at 880mm and lower shelf at 400mm.	
4.4	On three sides of shelves 20 mm upright lips/rail. Fourth side to have turned down edge	
4.5	Shall be mobile on 4 x 50mm diameter (approx.) robust 360 deg. swivel castors with non-marking grey tyres and with at least 2 diagonal castors shall have brakes	
<b>5</b>	<b>Accessories, spares and consumables</b>	
5.1	SS bowl 1no.	
<b>6</b>	<b>Standards and Safety Requirements</b>	
6.1	Must submit ISO 13485:2016 and ISO 9001	
<b>7</b>	<b>User Training</b>	
7.1	Not applicable.	
<b>8</b>	<b>Warranty</b>	
8.1	Comprehensive warranty for 1 year.	
<b>9</b>	<b>Maintenance Service During Warranty Period</b>	
9.1	Not applicable.	
<b>10</b>	<b>Installation and Commissioning</b>	
10.1	Must supply preassembled unit, ready to use.	

Prepared By:

  
 Name: Er. Abhishek Pradhan  
 Designation: Sr. BMEI  
 NEC Registration No: 5194 "Elec. & Comm"  
 Office: Civil Service Hospital, Kathmandu



**Otoscope Set**

S.N.	Purchaser's Specifications	Bidder's Offer
	Otoscope Set	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	Otoscope is used for examination of the inner ear, canal and tympanic membrane.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	Compact system, battery operated.	
<b>3</b>	<b>System Configuration</b>	
3.1	Otoscope set with all standard accessories.	
<b>4</b>	<b>Technical Specifications</b>	
4.2	Shall have pivoting head with a wide-angle viewing lens of magnification 3x.	
4.3	Shall come with reusable plastic specula, which can be attached to frontal part.	
4.4	Shall have light source XHLs.	
4.5	Handle shall have on/off switch.	
<b>5</b>	<b>Accessories, spares and consumables</b>	
5.1	1 x set of 2 AA-batteries (1.5V / LR6 alkaline).	
5.2	1 x set of 8 reusable plastic specula, 2 of each diameter: 2.5, 3.0, 4.0 and 5.0 mm.	
<b>6</b>	<b>Standards and Safety Requirements</b>	
6.1	Must submit ISO13485:2016	
6.2	CE (93/42 EEC Directives) or USFDA approved product certificate.	
<b>7</b>	<b>User Training</b>	
7.1	Must provide user training (including how to use and maintain the equipment).	
<b>8</b>	<b>Warranty</b>	
8.1	Comprehensive warranty for 1 year after acceptance.	
<b>9</b>	<b>Maintenance Service During Warranty Period</b>	
9.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
<b>10</b>	<b>Installation and Commissioning</b>	
10.1	Supplier must accomplish proper commissioning of equipment onsite.	
<b>11</b>	<b>Documentation</b>	
11.1	User (Operating) manual in English.	

Prepared By:

*[Signature]*

Name: Dr. Abhishek Pradhan

Designation: Sr. BMET

NEC Registration No.: 5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu



**Autoclave Machine**

S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Autoclave Machine</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type / Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	Autoclaves are required for sterilizing objects in high temperature and high pressure steam.	
<b>2</b>	<b>Technical Specifications</b>	
2.1	Type: Vertical, Top-Loading, Semi-Automatic.	
2.2	Capacity: 75 Liters.	
2.3	Chamber Size (Inner): Approx. 16" Diameter x 24" Depth (400mm x 600mm)	
2.4	Operating pressure: 1.2kg/cm <sup>2</sup>	
2.5	Operating temperature: 121-134 °C.	
2.6	Door System: Single Door (Radial Locking/Screw Type)	
2.7	Outer Chamber: SS 304 (insulated properly).	
2.8	Shall have temperature, pressure gauges.	
2.9	Heating Capacity 4.0 kW or better immersion heater.	
2.10	Low water protection system to protect the electric heaters.	
2.11	Safety valve for the jacket.	
<b>3</b>	<b>Accessories, spares and consumables</b>	
3.1	Dressing Drum 11x9 inch - 2 Units	
3.2	Dressing Drum 12x9 inch - 2 Units	
<b>4</b>	<b>Operating Environment</b>	
4.1	Power supply: 380-440 V (3 Phase), 50Hz fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 metres long.	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Must provide user training (including how to use and maintain the equipment).	
<b>7</b>	<b>Warranty</b>	
7.1	Comprehensive warranty for 2 years after acceptance.	
<b>8</b>	<b>Maintenance Service during Warranty Period</b>	
8.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	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.	

*[Handwritten signature]*



10	Documentation	
10.1	User (Operating) manual in English.	
10.2	Service (Technical / Maintenance) manual in English.	

Prepared By:

Name: Er. Abhishek Pradhan  
Designation: Sr. BMET  
NEC Registration No.: 5194 "Elex & Comm"  
Office: Civil Service Hospital, Kathmandu

**Protoscope**

S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Protoscope</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type / Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	To perform visual examination of the anal canal and lower rectum.	
<b>2</b>	<b>Technical Specifications</b>	
2.1	Must be manufactured from high-grade Medical Grade Stainless Steel (Non-magnetic, rust proof, equivalent to SS304 or SS316).	
2.2	Smooth, high-polish or satin finish to prevent tissue trauma and ensure ease of cleaning.	
2.3	Adult Size: Length: 70 mm to 100 mm (approx.)	
2.4	Diameter: 18 mm to 22 mm (approx.)	
2.5	The instrument must be fully Autoclavable 121°C and resistant to chemical disinfection (Cidex/Glutaraldehyde).	
<b>3</b>	<b>Standards and Safety Requirements</b>	
3.1	Must submit ISO 13485:2016 and ISO 9001	
<b>4</b>	<b>User Training</b>	
4.1	Must provide user training (including how to use and maintain the equipment).	
<b>5</b>	<b>Warranty</b>	
5.1	Comprehensive warranty for 1 year after acceptance.	
<b>6</b>	<b>Maintenance Service During Warranty Period</b>	
6.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
<b>7</b>	<b>Installation and Commissioning</b>	
7.1	Supplier must accomplish proper commissioning of equipment onsite.	

Prepared By:

Name: Mr. Abhishek Praonau

Designation: Sr. BMLT

NEC Registration No.: 5194 "Elec & Comm"

Office: Civil Service Hospital, Kathmandu

**Sphygmomanometer (BP apparatus)**

S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Sphygmomanometer (BP apparatus)</b>	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	Sphygmomanometer is a device used to measure blood pressure, composed of an inflatable cuff to restrict blood flow, and a mechanical manometer to measure the pressure.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	Aneroid sphygmomanometer having a dial to show clear numbers and pointer / needle for measurement of pressure.	
<b>3</b>	<b>Technical Specifications</b>	
3.1	Gauge: 0-300 mmHg, $\pm 3$ mmHg accuracy	
3.2	Cuff: Durable nylon, latex-free bladder, adult size.	
3.3	Stethoscope: Stainless steel dual-head, high-density PVC tubing	
<b>4</b>	<b>Accessories, spares and consumables</b>	
4.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Not applicable.	
<b>7</b>	<b>Warranty</b>	
7.1	Warranty for 1 year.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	Standard warranty conditions are applicable.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Must supply preassembled unit, ready to use.	
<b>10</b>	<b>Documentation</b>	
10.1	User's manual in English	

Prepared By:

Name: Mr. Abhishek Pradhan

Designation: Sr. BMEF

NEC Registration No.: 5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>IV Stand, Four Hooks</b>	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	<b>Description of Function</b>	
1.1	This IV/saline stand is used for hanging various intravenous items such as blood bag, glucose bottle etc.	
2	<b>Operational Requirements</b>	
2.1	Mobile IV stand on 5 castors with adjustable height.	
3	<b>System Configuration</b>	
3.1	Adjustable IV/saline stand with four hooks and five swivels castors.	
4	<b>Technical Specifications</b>	
4.1	Construction: Heavy-duty, non-magnetic Stainless Steel (Grade 304) for the entire frame, including poles and base.	
4.2	Pole Design: Two-section telescopic pole with a secure manual screw-lock for height adjustment.	
4.3	Height Range: Adjustable from approximately 1350 mm to 2100 mm.	
4.4	Top Hook: stainless steel "Ram's Horn" design with 4 hooks, each capable of supporting at least 2 kg.	
4.5	Base: Stable 5-leg star base (approx. 500 mm – 600 mm diameter) with a low center of gravity to prevent tipping.	
4.6	Mobility: Equipped with five smooth-rolling, medical-grade swivel castors (approx. 50 mm diameter); at least two castors must have brakes/locks.	
5	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
6	<b>User Training</b>	
6.1	Not applicable.	
7	<b>Warranty</b>	
7.1	Warranty for 1 year.	
8	<b>Maintenance Service During Warranty Period</b>	
8.1	Standard warranty conditions are applicable.	
9	<b>Installation and Commissioning</b>	
9.1	Must supply preassembled unit, ready to use.	
10	<b>Documentation</b>	
10.1	User /instructions manual in English.	

Prepared By:

Name: Er. Abhishek Pradhan

Designation: Sr. BMET

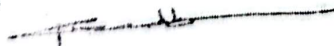
NEC Registration No.: 5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	Examination Table	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	Description of Function	
1.1	Table for use of examining patients in healthcare facilities.	
2	Operational Requirements	
2.1	Fixed height examination table with upholstered top.	
3	System Configuration	
3.1	Examination table, fixed height with mattress.	
4	Technical Specifications	
4.1	The Bed shall be made of a solid steel sheet and plate construction with anti-corrosive and antimist treated epoxy powder coating with upholstered top.	
4.2	All 4 legs of the bed shall be capped with heavy duty rubber footings.	
4.3	Overall size of the table shall not be less than 1830 mm L x 600mm W x 825 mm H.	
4.4	Strong Mild steel tubular construction epoxy powder coated treated. The top base of machine pressed double bent Mild steel sheet epoxy powder coated treated finish.	
4.5	Enough rigid structure to allow save cardiopulmonary resuscitation.	
4.6	The mattress shall have mid-firmness, with foam density of approximately 0.55kg/ cubic foot, to avoid that the patient would sink down into foam with antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover.	
4.7	Maximum weight capacity of at least 150Kg.	
5	Standards and Safety Requirements	
5.1	Must submit ISO 13485:2015 and ISO 9001	
6	User Training	
6.1	Not applicable.	
7	Warranty	
7.1	Comprehensive warranty for 1 year after acceptance.	
8	Maintenance Service During Warranty Period	
8.1	Standard warranty conditions are applicable.	
9	Installation and Commissioning	
9.1	Must supply preassembled unit, ready to use.	

Prepared By:

  
 Name: Er. Ashish Pradhan  
 Designation: Er. BMET  
 NRC Registration No: 5194 "Elec. & Comm"  
 Office: Civil Service Hospital, Kathmandu

**Hartmann Crocodile (Alligator) Ear Forceps**

S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Hartmann Crocodile (Alligator) Ear Forceps</b>	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	Hartmann Crocodile (Alligator) Ear Forceps, commonly used in ENT procedures for foreign body removal or wax management	
<b>2</b>	<b>Technical Specifications</b>	
2.1	Type: Hartmann (Crocodile/Alligator) pattern, fine serrated jaws.	
2.2	Material: Premium Medical-Grade Stainless Steel (e.g., AISI 304/420).	
2.3	Finish: Satin/Matte (non-reflective) to eliminate surgical glare.	
2.4	Size : 14 cm (5.5 inch)	
2.5	Performance: Reliable "bite" action for secure grasping of foreign bodies.	
2.6	Reprocessing: Fully autoclavable (121°C).	
<b>3</b>	<b>Accessories, spares and consumables</b>	
3.1	Not applicable.	
<b>4</b>	<b>Operating Environment</b>	
4.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Not applicable	
<b>7</b>	<b>Warranty</b>	
7.1	Warranty for 1 year.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	Standard warranty conditions are applicable.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Must supply ready pack.	
<b>10</b>	<b>Documentation</b>	
10.1	Not applicable.	

Prepared By:

Name: *Er Abhishek Pradhan*

Designation: Sr.BMET

NEC Registration No. 3194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	Foreign Body Removal Hook	
	Material	
	Brand	
	Type / Model	
	Country of Origin	
1	<b>Technical Specifications</b>	
1.1	Design: Right-angle hook (Hartmann, Day, or Lucae pattern).	
1.2	Material: Medical-grade Stainless Steel (AISI 304/420), corrosion-resistant.	
1.3	Finish: Satin/Matte (non-reflective) to prevent glare under examination lights.	
1.4	Tip: Fine, precision-engineered (blunt tip for atraumatic mucosal contact).	
1.5	Dimensions: Length: 140 mm – 160 mm; Tip diameter: 0.5 mm – 2.0 mm.	
1.6	Reprocessing: Fully Autoclavable (121°C); resistant to high-level chemical disinfection.	
2	<b>Accessories, spares and consumables</b>	
2.1	Not applicable.	
3	<b>Operating Environment</b>	
3.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.	
4	<b>Standards and Safety Requirements</b>	
4.1	Must submit ISO 13485:2016 and ISO 9001	
5	<b>User Training</b>	
5.1	Not applicable	
6	<b>Warranty</b>	
6.1	Warranty for 1 year.	
7	<b>Maintenance Service During Warranty Period</b>	
7.1	Standard warranty conditions are applicable.	
8	<b>Installation and Commissioning</b>	
8.1	Must supply ready pack.	
9	<b>Documentation</b>	
9.1	Not applicable.	

Prepared By:

Name: Er. Abhishek Pradhan

Designation: Sr.BMET

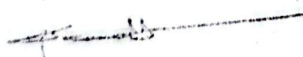
NIC Registration No.:5194"Elect & Comm"

Office: Civil Service Hospital, Kachananda



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Foot Step (Single)</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type / Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	Footstep to assist patients ascending and descending examination/delivery table and beds in healthcare facilities.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	One step stairs for patient to mount on examination/delivery table and bed.	
<b>3</b>	<b>System Configuration</b>	
3.1	Foot Step (Single).	
<b>4</b>	<b>Technical Specifications</b>	
4.1	It shall be made of anti-corrosive and antirust treated epoxy powder coated steel with a tubular frame with heavy-duty washable finishes.	
4.2	Dimension, Approx.(+ 10%) 45 L X 23 W X 23 H cm.	
4.3	The foot step shall stand on all legs at the same time on a level surface.	
4.4	Top of the step to have non-slip surface (e.g., embossed aluminium, stair grip or rubber).	
4.5	Feet to be fitted with heavy-duty rubber/plastic caps.	
<b>5</b>	<b>Accessories, spares and consumables</b>	
5.1	Not applicable.	
<b>6</b>	<b>Standards and Safety Requirements</b>	
6.1	Must submit ISO 13485:2016 and ISO 9001	
<b>7</b>	<b>User Training</b>	
7.1	Not applicable.	
<b>8</b>	<b>Warranty</b>	
8.1	Warranty for 1 year.	
<b>9</b>	<b>Maintenance Service During Warranty Period</b>	
9.1	Standard warranty conditions are applicable.	
<b>10</b>	<b>Installation and Commissioning</b>	
10.1	Must supply preassembled unit, ready to use.	
<b>11</b>	<b>Documentation</b>	
11.1	Not applicable.	

Prepared by:

  
 Name: Er. Abhishek Pradhan  
 Designation: Sr. BMEI  
 MEC Registration No.: 5194 "Elex & Comm"  
 Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	Minor Dressing Set	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	Description of Function	
1.1	The dressing set is a fundamental kit used in outpatient departments (OPDs), emergency rooms, and wards for wound management and minor procedures.	
2	Technical Specifications	
2.1	Kidney Tray: 200ml capacity, Stainless Steel (SS304), seamless.	
2.2	Bowel/Lotion Pot: 100ml capacity, Stainless Steel (SS304).	
2.3	Thumb Forceps (1 pc): 140mm – 160mm, Plain/Non-toothed, serrated grip.	
2.4	Artery Forceps (1 pc): 125mm – 140mm, Straight (Mosquito/Kelly), ratchet lock.	
2.5	Surgical Scissor (1 pc): 140mm – 150mm, Straight, Sharp/Blunt tips.	
3	General Requirements for dressing set	
3.1	Material: Medical-grade Stainless Steel (AISI 304/420).	
3.2	Finish: Satin/Matte (non-reflective).	
3.3	Sterilization: Fully Autoclavable (121°C).	
4	Accessories, spares and consumables	
4.1	Not applicable.	
5	Standards and Safety Requirements	
5.1	Must submit ISO 13485:2016 and ISO 9001	
6	User Training	
6.1	Not applicable.	
7	Warranty	
7.1	Warranty for 1 year.	
8	Maintenance Service During Warranty Period	
8.1	Standard warranty conditions are applicable.	
9	Installation and Commissioning	
9.1	Must supply preassembled unit, ready to use.	
10	Documentation	
10.1	Not applicable.	

Prepared By:

Name: E. Abhishek Pradhan

Designation: Sr. BMET

NEC Registration No. 5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu

**Electronic Adult Weighing Scale (Platform Type)**

S.N.	Purchaser's Specification	Bidder's Offer
	<b>Electronic Adult Weighing Scale (Platform Type)</b>	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	An electrically operated adult weighing scale	
<b>2</b>	<b>Operational Requirements</b>	
2.1	Electronic Adult Weighing Scale (Platform Type)	
<b>3</b>	<b>System Configuration</b>	
3.1	Electronic Adult Weighing Scale (Platform Type) on main power as well as battery operated.	
<b>4</b>	<b>Technical Specifications</b>	
4.1	Capacity : 150 kg	
4.2	Accuracy : 100 g	
4.3	Printer Size: 350 mm x 300 mm (Tolerance +/- 10%)	
4.4	The scale must be made up of heavy duty sturdy platform with powder coated frames.	
4.5	Display: LED/LCD : 5 digit with min. height 14 mm.	
4.6	TARE facility with zero function.	
4.7	HOLD function to lock the weight.	
4.8	Memory function, to keep the last weight in memory.	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13435:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Must provide user training (including how to use and maintain the equipment).	
<b>7</b>	<b>Warranty</b>	
7.1	Comprehensive warranty for 1 year.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Supplier must accomplish proper commissioning of the equipment on site.	

Prepared By:

Name: D. Abhishek Pradhan

Designation: Sr.BME1

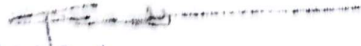
NBC Registration No.:5194 "Elex & Comm"

Office: Civil Service Hospital, Kathmandu

**Delivery Set**

S.N.	Purchaser's Specification	Bidder's Offer
	<b>Delivery Set</b>	
	<b>Manufacturer</b>	
	<b>Brand</b>	
	<b>Type / Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	The dressing set is a fundamental kit used in outpatient departments (OPDs), emergency rooms, and wards for wound management and minor procedures.	
<b>2</b>	<b>Technical Specifications</b>	
2.1	Sponge Holding Forceps (2 pcs):Foerster/Ramplcy pattern, 200–250mm, serrated tips.	
2.2	Artery Forceps (2 pcs)4/4/2026Kelly/Kocher pattern, 150mm, straight/curved, ratchet lock.	
2.3	Cutting Scissors (1 pc):Mayo/Episiotomy pattern, 150mm, straight, sharp/sharp tips.	
2.4	Bowel (Small) (1 pc):100ml capacity, Stainless Steel (SS304), seamless.	
2.5	Kidney Tray (1 pc):200- 250ml capacity, Stainless Steel (SS304).	
2.6	Towel Clips Draper(4 Pc):Backhaus pattern, 130mm, sharp-piercing tip	
<b>3</b>	<b>General Requirements for delivery set</b>	
3.1	Material: Medical-grade Stainless Steel (AISI 304/420).	
3.2	Finish: Satin/Matte (non-reflective).	
3.3	Sterilization: Fully Autoclavable (121°C).	
<b>4</b>	<b>Accessories, spares and consumables</b>	
4.1	Not applicable.	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
<b>6</b>	<b>User Training</b>	
6.1	Not applicable.	
<b>7</b>	<b>Warranty</b>	
7.1	Warranty for 1 year.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	Standard warranty conditions are applicable.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Must supply preassembled unit, ready to use.	
<b>10</b>	<b>Documentation</b>	
10.1	Not applicable.	

Prepared By:

  
 Name: Pr. Abhishek Pradhan  
 Designation: Sr BMEY  
 Lic. Registration No.: 5194 "Elec & Comm"  
 Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Goggles</b>	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
<b>1</b>	<b>Description of Function</b>	
1.1	Gowns for surgeons, nurses and other healthcare staff for use in delivery room/theatre.	
<b>2</b>	<b>Operational Requirements</b>	
2.1	A set of delivery room/theatre clothing.	
<b>3</b>	<b>Technical Specifications</b>	
3.1	Lens: Polycarbonate, scratch-resistant, anti-fog coated.	
3.2	Frame: Flexible, medical-grade PVC/Polycarbonate with ergonomic seal.	
3.3	Ventilation: Indirect venting to prevent fogging while blocking fluid splashes.	
3.4	Strap: Adjustable, elasticized, non-latex head strap.	
3.5	Durability: Fully autoclavable (121°C) and compatible with high-level chemical disinfectants	
<b>4</b>	<b>Accessories, spares and consumables</b>	
4.1	Not applicable.	
<b>5</b>	<b>Standards and Safety Requirements</b>	
5.1	Must submit ISO 13485:2016 and ISO 9001	
5.2	Meets ANSI Z87.1 or EN 166 standards for eye protection	
<b>6</b>	<b>User Training</b>	
6.1	Not applicable.	
<b>7</b>	<b>Warranty</b>	
7.1	As per manufacturer's standard norms.	
<b>8</b>	<b>Maintenance Service During Warranty Period</b>	
8.1	Standard warranty conditions are applicable.	
<b>9</b>	<b>Installation and Commissioning</b>	
9.1	Must supply ready pack.	
<b>10</b>	<b>Documentation</b>	
10.1	Not applicable.	

Prepared By:

Name: Dr. Abhishek Pradhan

Designation: Sr. BME I


HEC Legislation No.: 194 "Elex & Comm"

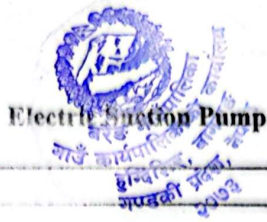
Office: Civil Service Hospital, Kadamba



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Manual Foot-Operated Suction</b>	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
<b>1</b>	<b>Operational Requirements</b>	
1.1	Ideal for birthing centers with frequent power cuts or for emergency backup.	
<b>2</b>	<b>Technical Specifications</b>	
2.1	Type: Foot-operated, high-vacuum suction pump.	
2.2	Vacuum Power: Max vacuum $\geq 600$ mmHg.	
2.3	Collection Jar: 1 Liter capacity, transparent, unbreakable, and autoclavable (121°C).	
2.4	Material: Heavy-duty aluminum alloy or high-grade plastic base with non-slip rubber feet.	
2.5	Features: Integrated overflow protection valve; oil-free piston/bellows mechanism (maintenance free).	
2.6	Portability: Lightweight (< 5kg) with a built-in carrying handle.	
<b>3</b>	<b>Accessories, spares and consumables</b>	
3.1	1 m silicone suction tubing	
3.2	Bacterial filter: 0.3 micron, 10 pcs	
3.3	Collection jar: 2pc	
<b>4</b>	<b>Standards and Safety Requirements</b>	
4.1	Must comply ISO 13485:2016 and ISO 9001	
4.2	Shall meet IEC 60601-1-2 General Requirements of Safety for equipment.	
<b>5</b>	<b>User Training</b>	
5.1	Not applicable.	
<b>6</b>	<b>Warranty</b>	
6.1	Warranty for 1 year.	
<b>7</b>	<b>Maintenance Service During Warranty Period</b>	
7.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
<b>8</b>	<b>Installation, Inspections and Commissioning</b>	
8.1	Must supply preassembled unit, ready to use.	
<b>9</b>	<b>Documentation</b>	
9.1	User (Operating) and Service (Technical/Maintenance) manuals to be supplied in English	

Prepared By:

  
 Name: Br. Abhishek Pradhan  
 Designation: Sr. BMET  
 NEC Registration No.: 5194 "Elec & Comm"  
 Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	Electric Suction Pump	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	Description of Function	
1.1	To extract fluid from the body during surgery or emergency treatments.	
2	Operational Requirements	
2.1	An electric double jar suction pump for surgical use.	
3	System Configuration	
3.1	Suction machine with two bottles and accessories.	
4	Technical Specifications	
4.1	It shall be mounted on four robust, fully 360 degree swivelling, antistatic, non-marking grey casters, minimum size 75 mm with at least 2 diagonal casters.	
4.2	Come with suction controller and vacuum gauge / indicator.	
4.3	The pump shall be oil free vacuum pump where the pumped liquid shall be sealed off from the pump.	
4.4	Come with overflow control valves.	
4.5	Vacuum rate shall be from 0 to not less than 640 mmHg (0.85 bars).	
4.6	Air flow rate shall be at least 25 l/min.	
4.7	The pump shall come fitted with twin unbreakable, transparent, autoclavable polycarbonate suction bottles minimum 2 litre each.	
4.8	The bottles shall be incorporated with an automatic suction cut-off mechanism when they become full.	
4.9	The suction bottles shall come with overflow lid.	
4.11	All discharge from pump shall be filtered by a 0.3 micron bacterial hydrophobic filter.	
5	Accessories, spares and consumables	
5.1	Bacterial filter, 0.3 micron, 10 pcs	
5.2	foot switch	
6	Operating Environment	
6.1	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.	
6.2	Must operate on 220-240V AC as well as rechargeable batteries.	
7	Standards and Safety Requirements	
7.1	Must comply ISO 13485:2016 and ISO 9001	
7.2	Shall meet IEC-60601-1-2 General Requirements of Safety for equipment.	
8	User Training	

*[Handwritten signature]*



8.1	Not applicable.	
9	<b>Warranty</b>	
9.1	Warranty for 1 year.	
10	<b>Maintenance Service During Warranty Period</b>	
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	<b>Installation, Inspections and Commissioning</b>	
11.1	Must supply preassembled unit, ready to use.	
11.2	Inspections to verify the compliance of the offered equipment as per specifications will be conducted by the technical team appointed by the purchaser.	
12	<b>Documentation</b>	
12.1	User (Operating) and Service (Technical/Maintenance) manuals to be supplied in English.	

Prepared By:

Name: Mr. Abhishek Pradhan

Designation: Sr. BMET


NEC Registration No.: 5194 "Elec & Comm"

Office: Civil Service Hospital, Kathmandu



S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Water Quality Analyser</b>	
	Manufacturer:	
	<b>Brand</b>	
	<b>Type / Model</b>	
	<b>Country of Origin</b>	
<b>1</b>	<b>Description of Function</b>	
1.1	To perform rapid, on-site testing of physical and chemical parameters of drinking water to ensure safety and compliance with clinical hygiene standards.	
<b>2</b>	<b>Technical Specifications</b>	
2.1	Type: Portable, handheld, multi-parameter digital analyzer.	
2.2	Key Parameters: pH, Turbidity, TDS (Total Dissolved Solids), Residual Chlorine, and Temperature.	
2.3	Microbiological: Capability to test for Total Coliform/E. coli (using H2S paper strip or portable incubator method).	
2.4	Display: Backlit LCD/LED display for clear reading in field conditions.	
2.5	Robustness: IP67 rated (Waterproof/Dustproof) for rugged field use.	
2.6	Power: Rechargeable Li-ion battery or long-lasting replaceable batteries.	
2.7	Calibration: User-friendly, field-level calibration with buffer solutions.	
2.8	Connectivity: USB port for data transfer to PC (for reporting).	
<b>3</b>	<b>Accessories, spares and consumables</b>	
3.1	calibration reagents/buffer sets	
3.2	sampling bottles	
<b>4</b>	<b>Standards and Safety Requirements</b>	
4.1	Must submit ISO 13485:2016 and ISO 9001	
<b>5</b>	<b>User Training</b>	
5.1	Must provide user training (including how to use and maintain the equipment).	
<b>6</b>	<b>Warranty</b>	
6.1	Comprehensive warranty for 2 years after acceptance.	
<b>7</b>	<b>Maintenance Service During Warranty Period</b>	
7.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.	
<b>8</b>	<b>Installation and Commissioning</b>	
8.1	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.	

Prepared By:

  
 Name: Dr. Abhishek Pradhan  
 Designation: Sr. BMET  
 NEC Registration No.: 5194 "Elec & Comm"  
 Office: Civil Service Hospital, Kathmandu



**Portable USG Machine**

S.N.	Purchaser's Specifications	Bidder's Offer
	<b>Portable USG Machine</b>	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
1	<b>Description of Functions</b>	
1.1	A general purpose Laptop Type Doppler ultrasound imaging system.	
2	<b>Operational Requirements</b>	
2.1	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>	
3.1	Portable Doppler ultrasound imaging system, 1 unit.	
3.2	1x Convex Array Transducer (Frequency range: 2.5 MHz to 5.0 MHz) for US (abdominal).	
3.3	1 unit of Black & White thermal printer.	
4	<b>Technical Specifications</b>	
4.1	System Design: Compact, lightweight, portable laptop-style console with integrated handle.	
4.2	Imaging Modes: Must support B, 2B, 4B, B+M, M, and PW Doppler for fetal heart monitoring.	
4.2	Display: Minimum 12.1-inch High-Resolution TFT-LCD or LED monitor with tilt-adjustable view.	
4.4	Transducer Ports: Minimum 2 active transducer connectors to allow quick switching between probes.	
4.5	Digital Technology: Full Digital Beam Forming, Dynamic Receiving Focusing, and Tissue Harmonic Imaging (THI).	
4.6	Gray-scale: 256 levels of gray scale for high contrast resolution.	
4.7	Scanning Depth: Adjustable scanning depth from 20mm to at least 250mm (probe dependent).	
4.8	Memory Storage: Built-in storage for at least 500 MB of images and a 256-frame Cine-loop memory.	
4.9	Battery Backup: Built-in rechargeable Lithium-ion battery with minimum 2 hours of continuous scanning time.	
4.10	Connectivity: Minimum 2 USB ports, 1 VGA out, and 1 Video out (S-Video), DICOM 3.0 compatible (optional/ready).	
4.11	Software: Full OB/GYN calculation package (GA, EDD, EFW, FHR) and Abdominal packages.	
5	<b>Accessories, Spare Parts and Consumables</b>	
5.1	1x B/W Thermal Video Printer	
5.2	10 Rolls of Thermal Paper	
5.3	3 Layers of Ultrasound Transmission Gel.	
5.4	Dust Cover and Padded Carrying Case.	
6	<b>Operating Environment</b>	
6.1	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metres in length.	
7	<b>Standards &amp; Safety Requirements</b>	

*[Handwritten signature]*



7.1	Must submit ISO 13485 and ISO 9001	
7.2	CE & USFDA approved product certificate.	
8	<b>User Training</b>	
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	<b>Warranty</b>	
9.1	Comprehensive warranty for 2 years after acceptance.	
10	<b>Maintenance Service During Warranty Period</b>	
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.	
11	<b>Installation and Commissioning.</b>	
11.1	Supplier must accomplish proper installation & commissioning of equipment on site.	
12	<b>Documentation</b>	
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 number and costing.	
12.4	Certificate of calibration and inspection from factory.	

Prepared By:

Name: Er. Abhishek Pradhan

Designation: Sr. BMET

NEC Registration No.: 5194 "Elex. & Comm"

Office: Civil Service Hospital, Kathmandu