



# कुम्मायक गाउँपालिका गाउँ कार्यपालिकाको कार्यालय

यासोक, पाँचथर

प.सं. :- ०७७/७८

च.नं. :- १३१९



१ नं. प्रदेश, नेपाल

मिति : २०७७/१२/२३

विषय: दरभाउ उपलब्ध गराउने बारे ।

श्री सुचिकृत फर्महरु सबै ,

प्रस्तुत विषयमा आ.व. २०७७/०७८ मा यस कुम्मायक गाउँपालिका अन्तर्गत संचालन भइरहेको अपांगता रोकथाम तथा पुनःस्थापना कार्यक्रम अन्तर्गत पोर्टेबल अल्ट्रासाउण्ड मेसिन खरिद शिर्षकको अल्ट्रासाउण्ड मेसिन खरिदका लागि कोटेशन माफत खरिद गर्नुपर्ने भएकोले आजका मितिबाट सात दिन भित्र ताँहाको दरभाउ (रेट) उपलब्ध गराईदिनुहुन अनुरोध छ ।

नोट: उक्त मेसिनको (Specification) समेत यसै पत्रसाथ संलग्न गरिएको व्यहोरा अनुरोध छ ।

*गणेश अधिकारी*  
०६६/१२/२३

गणेश अधिकारी

प्रमुख प्रशासकीय अधिकृत

**गणेश अधिकारी**  
**प्रमुख प्रशासकीय अधिकृत**



## अनुसूची ९

### पोर्टेबल अल्ट्रासाउण्ड मेसिनको स्फेसिफिकेसन

#### USG Machine, Portable / Option I

**Description of Functions:** A general purpose portable ultrasound imaging system with Raw data storage, Offline measurement, Annotation, Gain, Depth, Zoom, etc. on the saved Images & Videos.

**Operational Requirements:** It shall operate on AC power supply as well as built in rechargeable battery.

**System Configurations:** A portable USG system with a convex probe & B/W video printer (Sony/Mitsubishi).

#### Technical Specifications

- Main applications: Abdomen, Obstetric, Gynecology, Urology, Cardiology, Pediatric, Small Parts, Blood Vessel, Superficial, Orthopedic, MSK, etc.
- Shall feature minimum of 12" high resolution LED display.
- The monitor view angle can be adjusted more than 90 degree for easier view from any position.
- Probe connector: at least 2 activated probe connector.
- Scan Modes: B Mode, B Steer, 2B/4B Mode, M Mode, B/M Mode, PDI Mode, CM Mode, PW Mode, Anatomic M Mode, Panoramic, Trapezoidal (Linear probe), CW -Mode, etc.
- Grayscale levels: 256.
- Shall offer Programmable pre-set examination protocols store common setting related to image display/adjustment, annotation.
- Shall have function to reduce patch noise and other image artefacts without compromising quality of images.
- Dynamic range shall be selectable up to approximately 150dB.
- Shall be able to store still and video images, shall be able to store minimum 1000 images on main unit.
- The system shall support digital medical imaging features like DICOM Storage, DICOM Work list, DICOM MPPS, etc.
- The system shall have cine memory of 1000 or more frames for cine loop playback.
- The system weight must be  $\leq 6.5$  Kg. including battery.

#### Accessories & Consumables:

- The system shall be inclusive of 1 convex probe & 1 video printer.
- 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.

**Operating Environment:** The system shall operate under various conditions of purchaser's country with power supply of 220 – 240 VAC, 50Hz fitted with appropriate plug.

**Standards & Safety Requirements:** Must submit ISO13485 for Medical Devices & CE (93/42/EEC on Medical Devices) approved product certificate.

**Warranty:** Comprehensive warranty for 1 year after acceptance.

**Price Range:** Around NPR. 5,00,000

**Preferred Brands:** Chison, EDAN, Mindray, Sonoscape, Zoncare

#### USG Machine, Portable / Option II

**Description of Functions:** A general purpose portable ultrasound imaging system with data storage, Offline measurement, Annotation, Gain, Depth, Zoom, etc. on the saved Images & Videos.

**Operational Requirements:** It shall operate on AC power supply as well as built in rechargeable battery.

**System Configurations:** A portable USG system with a convex probe & B/W video printer (Sony/Mitsubishi).



### Technical Specifications

- a. It shall come with a custom made trolley on castors to hold the main unit on top with provision of a probe holder and drawers for storage of probes, printer and ultrasound gel.
- b. Main applications: Abdomen, Obstetrics, Gynecology, Urology, Cardiology, Pediatric, Small Parts, Blood Vessel, Superficial, Orthopedic, MSK, Nerve, Cephalic, etc.
- c. Shall feature minimum of 12" color anti-flickering LCD display.
- d. Probe connector: at least 2 activated probe connector.
- e. Scan Modes: B-Mode, B-Steer, 2B/4B -Mode, M -Mode, B/M-Mode, PW/CW -Mode, Anatomic M Mode, Panoramic imaging, Trapezoidal (Linear probe), THI Mode, CW -Mode, Pure Inversion Harmonic (PIH), etc.
- f. Grayscale levels: 256.
- g. Shall have function to reduce patch noise and other image artefacts without compromising quality of images.
- h. Dynamic range shall be selectable up to 200dB.
- i. The system shall support digital medical imaging features like DICOM Storage, DICOM Work list, DICOM MPPS, etc.
- j. Shall have at least 3 USB ports for connectivity & file transfer.
- k. The system weight must be  $\leq 6.5$  Kg. including battery.

### Accessories & Consumables

- a. The system shall be inclusive of 1 convex probe, 1 original trolley & 1 video printer.
- b. 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.

**Operating Environment:** The system shall operate under various conditions of purchaser's country with power supply of 220 – 240 VAC, 50Hz fitted with appropriate plug.

**Standards & Safety Requirements:** Must submit ISO13485 for Medical Devices, CE and USFDA approved product certificate.

**Warranty:** Comprehensive warranty for 1 year after acceptance.

**Price Range:** Around NPR. 750,000 to 800,000

**Preferred Brands:** Chison, EDAN, Mindray, Sonoscape, Zoncare

### USG Machine, Portable / Option III

**Description of Functions:** A general purpose portable Color Doppler ultrasound imaging system with Raw data storage, Offline measurement, Annotation, Gain, Depth, Zoom, etc. on the saved Images & Videos.

**Operational Requirements:** It shall operate on AC power supply as well as built in rechargeable battery.

**System Configurations:** A portable USG system with a convex probe & B/W video printer (Sony/Mitsubishi).

### Technical Specifications

- a. It shall come with a custom made trolley on castors to hold the main unit on top with provision of a probe holder and drawers for storage of probes, printer and ultrasound gel.
- b. Main applications: Abdomen, Obstetrics, Gynecology, Urology, Cardiology, Pediatric, Small Parts, Blood Vessel, Superficial, Orthopedic, MSK, Nerve, Cephalic, etc.
- c. Shall feature minimum of 12" color LED display.
- d. The monitor view angle can be adjusted more than 90 degree for easier view from any position.
- e. Probe connector: at least 2 activated probe connector.
- f. Scan Modes: B-Mode, B-Steer, 2B/4B -Mode, M -Mode, B/M-Mode, PW/CW - Mode, Anatomic M Mode, Panoramic imaging, Trapezoidal (Linear probe), THI Mode, CW -Mode, Pure Inversion



Harmonic (PIH), etc.

g. Grayscale levels: 256.

h. Shall offer Programmable pre-set examination protocols store common setting related to image display/adjustment, annotation.

i. Shall have function to reduce patch noise and other image artefacts without compromising quality of images.

j. Dynamic range shall be up to 280 dB.

k. Shall be able to store still and video images, shall be able to store minimum 1000 images on main unit.

l. The system shall support digital medical imaging features like DICOM Storage, DICOM Work list, DICOM MPPS, etc.

m. The system shall have cine memory of 1000 or more frames for cine loop playback.

n. The system weight must be  $\leq 6.5$  Kg. including battery.

**Accessories & Consumables**

a. The system shall be inclusive of 1 convex probe, 1 original trolley & 1 video printer.

b. 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.

**Operating Environment:** The system shall operate under various conditions of purchaser's country with power supply of 220 – 240 VAC, 50 Hz fitted with appropriate plug.

**Standards & Safety Requirements:** Must submit ISO 13485 for Medical Devices, CE and USFDA approved product certificate.

**Warranty:** Comprehensive warranty for 1 year after acceptance.

**Price Range:** Around NPR. 1000,000 - 12,00,000

**Preferred Brands:** Chison, EDAN, Mindray, Sonoscape, Zoncare