



Haydom Lutheran Hospital

ELCT Mbulu Diocese

01/09/2023

REQUEST FOR EXPRESSION OF INTEREST

Haydom Lutheran Hospital is a non-profit making Organization owned by the Evangelical Lutheran Church in Tanzania, Mbulu Diocese (Faith Based Organization). The Hospital is in the Manyara Region and is a Referral Hospital at the Regional level. It is about 120 KM from Babati the headquarters of the Manyara region.

The principal activity of HLH is providing medical services to residents in its catchment area and other neighboring communities.

The Hospital has set apart some Funds for the Procurement of three Digital X-rays for her Health center (Gendabi H/C, Balangda H/C, & Kansay H/C)

Bidders are required to Submit their Quotation to tender@haydom.co.tz/samwel.bayo@haydom.co.tz/paschal.jorojick@yahoo.co.tz or by Envelope to tender chairperson Haydom Lutheran Hospital Box 9000-Haydom Mbulu

Eligible bidders are invited for the above quote as per the below specification.

SPECIFICATIONS OF DIAGNOSTIC DIGITAL X-RAY;

PRODUCT NAME: Digital Radiography System U-Arm Type

A. FEATURES:

- Digital Radiography System easy to use and reliable while providing high-quality radiography images in a digital environment.
- The system gives an environment of completely filmless and integrates with HIS/RIS, DICOM, and PACS networks in the hospital.
- The system has histogram function, window width /level, image invert, edge enhancement, zooming, image rotation, and diverse image processing.
- Digital radiography images may be transferred manually or automatically to a DICOM network for printing, storage/archive, and detail review.
- Easy controlling for all patient positioning.

B. SPECIFICATIONS:

1, Digital Radiography System:

1.1 Detector

- One (1)
- Flat Panel Detector - Active Image Size: 17-inch x 17inch or 43cm x 43cm
- Pixel Size: 140 micron
- Full DICOM 3.0
- Bit depth: 14 or 16 bit

2, System Computer:

PO Box 9000 Haydom, Manyara, Tanzania • Tel. +255(0)27 253 3194/5 • Fax +255(0)27 253 3734 • E-mail post@haydom.co.tz



2.1- CPU: i5

- OS: Windows 10
- RAM: 8GB
- Disk Capacity: 1TB (4TB for extended PC)
- Monitor: Color / LED 23 inch

2.2 Diagnostic Monitor:

- Screen Size: 19.0"
- Viewable Image Size: 376.32 x 301.06 mm
- Display Resolution: 1,280 x 1,024 Pixels
- Brightness: 330 cd/m²
- Contrast Ratio: 900:1

3 X-Ray System:

(1) Generator: Input 400VAC,50/60Hz, Three Phase

- Power: 50kW
- kV range: 40 - 150kV
- mA range: 0 - 630mA
- Time range: 1 ms-10 sec

(2) X-ray Tube

- Max. kVp rating: 150 kVp
- Focal spot: 0.6/1.2mm
- Heat unit: 300 kHU
- Target angle: 12°
- Weight: app. 16 kg

(3) Collimator

- Type: Manual, Rectangular
- Power: 24VAC, 150W
- Max kV range: 150 kVp
- Max X-ray field: SID at 65cm less than 35cm x 35cm
- Min X-ray field: SID at 100cm less than 5cm x 5cm
- Lamp Type: LED

(4) Grid.

- Type: Moving Grid Type
- Ratio: 10:1



- Frequency: 130 Lines per inch

- Distance: 150 cm

- Deadline for submission of Expression of Interest is Friday 15th SEPTEMBER 2023 at 10:00 hours Local Time.
- Late submission of an Expression of Interest shall not be accepted for evaluation irrespective of the circumstances.



Issued by:

**MANAGING MEDICAL DIRECTOR
HAYDOM LUTHERAN HOSPITAL-MBULU MANYARA**