



**REQUEST FOR QUOTATION (RFQ)**  
Installation of Medical Liquid Oxygen Telemetry System

<b>Reference</b>	RFP/CHAI-KE-EAPOA-003/26
<b>Posting Date</b>	May 18, 2026
<b>Closing Date</b>	June 12, 2026

## 1. Overview

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The Clinton Health Access Initiative (CHAI) is supporting the strengthening of medical oxygen ecosystems, including the improvement of medical oxygen availability and supply systems in Eastern Africa through support of Unitaid. The East Africa Program on Oxygen Access (EAPOA) aims to improve access to medical oxygen in low- and middle-income countries (LMICs) across East Africa. The initiative seeks to bolster the capacity of local manufacturers to meet the growing demand for medical oxygen.

CHAI intends to use part of the Unitaid investment to procure a Medical Liquid Oxygen (LOX) telemetry system to provide real-time, remote monitoring of bulk cryogenic tank levels, pressures, and temperatures. This will ensure a continuous supply of medical oxygen, improve safety, and optimize delivery schedules to healthcare facilities.

CHAI invites financial proposals (RFP) from companies and contractors capable of installing, testing, and commissioning a Medical Liquid Oxygen remote monitoring telemetry system in Kenya at the facilities listed herein. The remote monitoring system and the VIE tanks shall be supplied by others; the scope of this RFP is limited to installation and commissioning of the telemetry system only.

The purpose of this request for quotation is to:

- Provide information to potential suppliers on CHAI's needs and requirements.
- Solicit information from potential suppliers on their capacity, current lead times, pricing, and other information pertinent to procurement planning.
- Evaluate submissions to identify and shortlist qualified potential suppliers.

## 2. Submission Instructions

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Interested organizations must submit their RFQ electronically to the following email address:

[chaikebids@clintonhealthaccess.org](mailto:chaikebids@clintonhealthaccess.org)

Please quote reference number ITB/CHAI-KE-EAPOA-003/26 in the subject line. Submissions must be received no later than 12th June 2026.

For any clarification or queries, please write to [chaikebids@clintonhealthaccess.org](mailto:chaikebids@clintonhealthaccess.org) with the RFP reference number in the subject line by 25th May 2026.

CHAI may contact respondents for further discussions regarding submissions and subsequent procurement. Submissions received after the deadline will not be considered.

## 3. Disclaimer

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Distribution of this document does not imply any commitment on the part of CHAI to engage any entity. CHAI will not reimburse or otherwise bear any costs associated with this RFQ. No fee is charged for the submission of a response. All material received in response to this RFQ shall

become the property of CHAI and will not be returned to the respondent. CHAI reserves the right to use any information presented in any proposal.

## 4. Annex D: CHAI Code of Conduct for Suppliers

The CHAI Code of Conduct for Suppliers sets out the minimum requirements that all suppliers must meet to qualify to conduct business with CHAI and to remain in good standing with the organization. Please review the Code of Conduct via the following link and apply for this solicitation only if your organization can comply with all stated requirements:

<https://clintonhealth.box.com/s/w4aev9ayvkwkklonlkrz45oab80s2ero>

## 5. Product Description

The specifications below describe the telemetry system to be installed. These are general specifications provided for guidance to installation suppliers.

Cryogenic Storage Gas Bulk Telemetry System – Technical Specifications	
<b>Key Features</b>	
Local and remote monitoring of vertical cryogenic tank for level and pressure via GPRS communication. Integrated and patented differential and relative pressure transducers. LCD display for level and pressure visualization. Level-to-percentage conversion option. Minimum level, low-pressure, high-pressure, and high-level set-points. Low-temperature alarm for detecting cryogenic media leakages. Sleeping mode with 15-second periodic activation to reduce power consumption, including measure reading and alarm condition with remote monitoring. Remote level and pressure update frequency programmable from 1 to 24 hours. Solar panel power supply with long-term battery or external power pack backup. Backup battery: Li-Ion. Safety and Design Standards: Systems must conform to international codes for cryogenic tanks such as ASME Section VIII or EN 13458-2.	
<b>Power Supply</b>	24 Vcc @ 0.35 A / Solar panel 100 mA (max. solar exposure). Backup battery: 3.7 V, 3.6 Ah Li-Ion.
<b>Pressure and Level (DRT Transducer)</b>	Relative pressure range: 0-20 bar (standard); 0-50 bar (optional). Resolution: 0.1 bar. Combined error (0-50 °C): < ±1% of F.S. Breaking overpressure: 35 bar (80 bar for 0-50 bar range). Differential pressure (level) range: 0-2 bar. Combined error: < ±2% of F.S. @ F.S. B150 mbar. Differential overpressure: ±4 bar (limited by integrated protection devices).
<b>Visual Indications</b>	4-digit LCD display for level: H18 mm. 4-digit LCD display for pressure: H18 mm.
<b>Pneumatic Connections</b>	1/8" G female with fitting adapters; 1/4" NPT female or 1/4" G female.
<b>Housing</b>	White aluminum enclosure for wall mounting. Size: 200 × 170 × 90 mm. Waterproof: IP 65. Complete dimensions with solar panel: 250 × 435 × 186 mm.
<b>Communication</b>	Integrated 4G modem with GPRS data communication.
<b>Weight</b>	3.5 kg (unit); 4.0 kg (with solar panel).
<b>Operating Temperature</b>	-20 °C to +60 °C.

<b>Reference Standards and Directives</b>	2014/35/EU (LVD), 2014/30/EU (EMC), RoHS 2011/65/EU, EN 61000-6-1, EN 61000-6-3, ISO 15001, BAM M 034-1.
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**Note:** The above specifications are general specifications provided to the telemetry supplier and are intended to guide installation suppliers on the requirements for the telemetry system.

## 6. Pricing Schedule

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Bidders are required to complete the pricing schedule below. All prices should be quoted in United States Dollars (USD).

Item	Description	Unit	Qty	Unit Rate (USD)	Total (USD)
1	304 Stainless Steel ¼-Inch Tubes	Meters	51		
2	Stainless Steel ¼-Inch Male Connector	No.	96		
3	¼-Inch Stainless Steel Compression Fitting (complete with nut, front ferrule, and back ferrule)	No.	96		
4	Labor, Installation, and Commissioning	No.	24		
<b>TOTAL</b>					

## 7. Healthcare Facilities

The telemetry system shall be installed at the following 21 healthcare facilities across Kenya:

No.	Facility Name	County
1	Loitoktok Sub-County Hospital	Kajiado
2	Busia County Referral Hospital	Busia
3	Muranga County Referral Hospital	Murang'a
4	Kaplong Mission Hospital	Bomet
5	AIC Litein Hospital	Bomet
6	Vihiga County Referral Hospital	Vihiga
7	Moi County Referral Hospital, Voi	Taita Taveta
8	Kikuyu Mission Hospital	Kiambu
9	Kerugoya County Referral Hospital	Kirinyaga
10	Chuka County Referral Hospital	Tharaka Nithi
11	Kisii County Referral Hospital	Kisii
12	Consolata Hospital Mathari	Nyeri
13	Kenyatta National Hospital	Nairobi
14	Moi Teaching & Referral Hospital	Uasin Gishu
15	Kilifi County Referral Hospital	Kilifi
16	Coast General Hospital	Mombasa
17	Laikipia County Referral Hospital	Laikipia
18	Nakuru County Referral Hospital	Nakuru
19	Nyeri County Referral Hospital	Nyeri
20	Msambweni County Referral Hospital	Kwale
21	Kericho County Referral Hospital	Kericho
22	Engineer Sub County Hospital	Nyandarua
23	Bungoma County Referral Hospital	Bungoma
24	Pumwani Maternity Hospital	Nairobi