



Request for Proposals (RFP)

Clinton Health Access Initiative, Inc.

Request for Proposals (RFP) for the Provision of Supply, Installation, Integration and Cloud-Based Monitoring Services for a Real-Time Gas Monitoring System (RTGMS) — Mozambique National Liquid Oxygen (LOX) Network

Funded by: Global Fund C19RM and EpiC, with additional facilities financed under ZimGVT, AngGVT and MOGAS investments in Mozambique's national oxygen ecosystem

Reference Number	CHAI-RFP-MOZ-2026-RTGMS-001
Date Issued	17 July 2026
Deadline for Questions	24 July 2026, 17:00 (CAT)
Deadline for Proposals	31 July 2026, 17:00 (CAT)
Location of Performance	Mozambique (Country wide)

Summary of Terms

A. Background

The Clinton Health Access Initiative, Inc. (CHAI), the Buyer, is issuing this Request for Proposals (RFP) in order to solicit priced offers for the supply, installation, integration and cloud-based monitoring of telemetry equipment as part of the Real-Time Gas Monitoring System (RTGMS) for Mozambique's national Liquid Oxygen (LOX) network. CHAI is a global health organization committed to saving lives and improving health outcomes in low- and middle-income countries by enabling the government and private sector to strengthen and sustain quality health systems.

Mozambique's national oxygen ecosystem has been substantially strengthened through the supply and installation of Vacuum Insulated Evaporator (VIE) tanks and associated infrastructure across 27 health facilities distributed across the country. However, there is currently no unified, real-time monitoring system across the national tank network, resulting in fragmented monitoring, reactive maintenance and limited visibility of LOX stock levels, consumption rates and equipment status.

Under the RTGMS project, a Phase 1 baseline assessment has been completed across all 42 LOX tanks in the national network, covering 27 health facilities across 11 provinces nationally (Maputo Cidade, Maputo Província, Gaza, Inhambane, Manica, Sofala, Tete, Zambézia, Nampula, Niassa, and Cabo Delgado). The assessment confirmed that 27 tanks currently have no telemetry hardware installed. A further 15 tanks have hardware physically present: 12 confirmed AMBRA Sistemi NanoCRIOTEL IoT units (Incryo Systems / C19RM stream, serials documented) and 3 WIKA 2-wire 4–20 mA units (CHART Industries / UNITAID stream, confirmed at HD Manhíça, HD Matutuíne, and HR Muxungue). Of the 15 equipped tanks, none is powered neither is transmitting data. There is no confirmed presence of SIM Cards nor registration on network or initiated data flow. Zero tanks across the entire national network are currently

transmitting data. This RFP seeks a brand-agnostic, cloud-based RTGMS solution capable of addressing both situations and of being scaled to the remaining tanks in the national network.

This RFP does not obligate CHAI to make an award or fund an applicant, nor does it commit CHAI to reimburse any costs incurred in proposal preparation. All costs related to proposal preparation must be borne by the offeror. CHAI will accept no fee for the submission of proposals. CHAI makes no representations or warranties and will not incur any liability under any law as to the accuracy, reliability, or completeness of the information contained in this RFP.

B. Proposal Dates and Requirements

The below table summarizes key dates in the RFP process. Offerors are expected to comply with these dates and deadlines. CHAI reserves the right to modify the dates at its discretion.

Milestone	Date and Time
RFP Released	17 July 2026
Deadline for Written Questions	24 July 2026, 17:00 (CAT)
Answers for Questions Released	28 July 2026, 17:00 (CAT)
Proposals due	31 July 2026, 17:00 (CAT)
Estimated award	07 August 2026, 17:00 (CAT)

1. Questions and Answers

Questions regarding the administrative or technical requirements of this RFP may be submitted by 18 July 2026, 17:00 (CAT/SAST). Questions must be emailed to the Point of Contact below. Questions and clarifications that are relevant to all offerors will be posted by CHAI, either through an amendment to this RFP or directly to offerors who have demonstrated an interest in bidding.

2. Proposal Submission and Validity

All proposals must be received by 1 August 2026, 17:00 (CAT/SAST). Offers should be emailed to the email address below. All offers must be submitted in the form of the letter in Annex A and must include a copy of a valid business license. Offers received after the due date and time shall be considered to be late and will be considered only at CHAI's discretion.

Point of Contact for this Procurement	RTGMS Technical Coordinator, CHAI Mozambique – Oxygen Programme
Email Address	mzlocalprocure@clintonhealthaccess.org

CHAI requires that offers and the prices, quotes, and services therein remain valid for 60 days after the date of submission.

3. Award

CHAI reserves the right to extend or cancel this solicitation at any time. CHAI may also reject all offers, if such action is in CHAI's interest, or issue a partial award or split the award among various offerors (e.g., separate awards for hardware/integration versus the cloud platform).

CHAI will examine the offers to determine if they are complete, comply with all the conditions of the RFP, and have been duly signed and are in general order. CHAI will select the offer that represents the best overall value. CHAI anticipates making one award to one entity, but reserves the right to make no award or to make multiple awards.

C. Eligibility Requirements

Offerors, regardless of entity status (for-profit, not-for-profit, etc.), must be legally registered to conduct business in Mozambique. A valid copy of a business license and/or registration must be provided in the offer submission. All offers must be submitted using Annex A, below, and must be signed by cognizant officers of the organization.

D. Instructions for Preparation of Proposal

Offerors are required to use the form in Annex A, below, to reply to this RFP. Failure to provide all the information required by the RFP, or submitting an offer that does not respond to the RFP in all respects, may result in the rejection or disqualification of the offer. Information that the respondent considers proprietary must be clearly marked as such; it will be treated confidentially and used by CHAI for evaluation purposes only.

1. Technical Proposal

Offerors are required to write a technical response to the scope of work in Section G, Scope of Work and Deliverables. At minimum, the technical proposal must include:

- Recommended hardware brand/model proposed for Line Items 1 and 2, and confirmation of compliance with the functional requirements set out in Section G.1;
- A proposed site sequencing plan consistent with the phased implementation schedule in Section G.2;
- A capabilities statement describing relevant past experience with comparable telemetry/IoT monitoring deployments;
- Key staff proposed to deliver the scope of work.

2. References

Offerors must complete the Past Performance table in Annex A with three references for similar work completed within the past three years.

3. Budget

Offerors are required to use the template in Annex A, below, when responding to this solicitation. All quotations must be in USD and must be inclusive of all costs, including taxes, freight, installation, commissioning, training and any applicable cloud platform licensing, and must be fixed price.

Once an award is signed, no additional fees, taxes, or costs may be added post-award. Quotations must be accompanied by the completed pricing table in Annex A.

E. Evaluation Criteria and Negotiation

CHAI will select an offer using the trade-off methodology. Offers will be scored against the following criteria. CHAI requests best offer quotations; however, CHAI reserves the right to request clarifications or conduct negotiations prior to making an award.

Line Item	Item or Service	Points
1	Technical compliance with the functional requirements and specifications, including support for open communication protocols and brand-agnostic interoperability	35 points
2	Total cost of ownership, including hardware, installation, cloud platform licensing and any recurring/maintenance fees over the initial 12-month term	20 points
3	Local presence and after-sales support capacity, including proposed service level agreement (SLA) for uptime, fault response and software updates	35 points
4	Past performance on comparable telemetry/IoT monitoring deployments, including scalability demonstrated on prior projects	10 points

F. Terms and Conditions of Resultant Agreement

This solicitation is subject to CHAI's standard terms and conditions and, if applicable, CHAI's donors' (including the Global Fund C19RM and EpiC) terms and conditions of the resultant agreement. A copy of the terms and conditions is available upon request. For the purpose of developing bids, please note that the following standard term applies:

- **Ethical Conduct and Conflicts of Interest:** In accordance with CHAI's Global Code of Conduct and Conflict of Interest Policy, CHAI is committed to conducting procurements with integrity and objectively selecting suppliers and vendors. CHAI maintains a zero-tolerance policy for acts including but not limited to collusion among vendors, submitting falsified bids, bribery, and/or other forms of fraud. Vendors engaging in such conduct will be disqualified from current and future opportunities. CHAI employees and others acting on CHAI's behalf are prohibited from accepting or asking for bribes, gifts, fees, or any other object of value or compensation related to doing business. Please contact ethics@clintonhealthaccess.org with any questions, concerns, or to report any violations, or the CHAI Whistleblower Hotline at chai@integritycounts.ca (+1 866-921-6714 [Toll-Free U.S.] or +1 604-922-5953 [International]).
- **Confidentiality:** Information which the offeror considers to be confidential or proprietary must be clearly marked as such. All such information is treated as confidential by CHAI for assessment purposes only. Should the offeror anticipate submitting confidential or proprietary information to CHAI, please contact the Point of Contact for this procurement to request a copy of CHAI's standard NDA.

G. Scope of Work and Deliverables

1. Scope of Work

CHAI is soliciting quotations for the following:

Line Item	Item or Service	Specifications or Description	Quantity
1	Telemetry Hardware Kits (New Installations)	Supply, installation and commissioning of complete telemetry kits for LOX/VIE tanks currently without telemetry, comprising of differential pressure (DP) cell / level sensor, pressure transmitter, IoT communication gateway/module, weatherproof enclosure (sealed against moisture and corrosion), and all cabling, brackets and accessories required for installation. Must support open communication protocols. Must support Modbus/IoT (for AMBRA Sistemi NanoCRIOTEL units) AND analogue 4–20 mA (for WIKA units in UNITAID stream). Full compatibility with the unified RTGMS cloud platform (Line Item 3) is mandatory. Tanks (27 in total, no telemetry hardware): 1. EpiC (10) – HD Cuamba, HG Quelimane, HR Vilanculos, HR Chokwé, HD Caia, HP Inhambane (CHART Industries), HP Pemba, HP Lichinga, HC Nampula, HP Xai Xai (CHART Industries); 2. ZimGVT (4) – HC Beira, HG Beira, HP Chimoio, HP Tete (Verify supplier); 3. AngGVT (1) – HG Mavalane (Linde Engineering). 4. Private Sector/MOGAS (12) – HP Matola, HG Machava, HG José Macamo, HG Polana Caniço (2 tanks), HC Maputo, HP Inhambane, HC Beira, HP Chimoio, HP Tete, HP Xai Xai, HC Nampula; Note: integration pathway for Private Sector tanks is subject to agreement with facility owners.	27 units (Lot)
2	Connectivity / Integration Modules for Existing Telemetry	Supply and configuration of communication/connectivity modules (incl. data SIM and/or alternative connectivity solution as required by site assessment) to integrate existing AMBRA Sistemi “NanoCRIOTEL IoT” telemetry units into the unified RTGMS cloud platform. Includes verification/replacement of DP cell and sensor connections where required, and confirmation of communication protocol and data output format. Tanks (15 in total): a) 12 confirmed AMBRA Sistemi NanoCRIOTEL IoT units (Incryo Systems / C19RM): HP Matola, HG Machava, HG José Macamo, HG Polana Caniço, HC Maputo ×3, HD Quissico, HD	15 units (Lot)

		Angónia, HC Quelimane, HG Nampula, HR Nhamatanda. b) 3 WIKA 2-wire 4–20 mA units (CHART Industries / UNITAID: HD Manhíça, HD Matutuíne, HR Muxungue. Where protocol is analogue 4–20 mA; the RTGMS platform must support analogue signal aggregation in addition to IoT/Modbus to integrate these units. Offerors must price sub-lots (A) and (B) separately and confirm compatibility with both AMBRA Sistemi NanoCRIOTEL IoT and WIKA 4–20 mA protocols.	
3	Cloud-Based RTGMS Software Platform	Brand-agnostic, cloud-based Real-Time Gas Monitoring System (RTGMS) platform providing: 1. Real-time inventory tracking (liters/m³) and level monitoring with historical trends; 2. Real-time pressure monitoring with configurable high/low alarms; 3. Multi-tank dashboard accessible via mobile (iOS/Android) and desktop, with filtering by site and region; 4. Automated SMS/email/push alarms and notifications; scheduled and on-demand data export/reporting (CSV, PDF, API access); tamper-evident audit trail of system events, alarms and user actions; 5. Role-based access for national, provincial and facility users. Platform must be scalable to onboard the full national network (29 tanks) without architectural changes, at no material additional licensing complexity. Platform must cover all 42 tanks in the national network. Pricing must be quoted for the full 42-tank scope without per-tank escalation that would disincentivize national rollout.	1 Lot (12-month initial term)
4	Installation, Testing & Commissioning Services	Field installation of new telemetry kits (Line Item 1), integration of existing AMBRA Sistemi NanoCRIOTEL IoT units (Line Item 2), and full commissioning, configuration and acceptance testing of all 42 tanks on the unified RTGMS platform, including configuration of alarm thresholds and escalation workflows.	1 Lot (42 tanks)
5	Training, SOPs and Capacity Building	Training of designated national and facility-level biomedical technicians and supply chain managers on system operation, maintenance and troubleshooting. Development of standard operating procedures (SOPs) for alarm response, routine monitoring, maintenance scheduling and data governance, and provision of an inter-agency data access and governance protocol.	1 Lot

Offerors are encouraged to clearly indicate, for Line Items 1 and 2, the recommended hardware brand/model proposed for each scenario, and to confirm compliance with the functional requirements summarized below, which the selected RTGMS solution must, at minimum, deliver:

- Real-time inventory and level monitoring (litres/m³) with historical trend visualization
- Real-time pressure monitoring with configurable high/low alarms
- Cloud-based platform accessible via mobile (iOS/Android) and desktop browser
- Unified multi-tank dashboard with filtering by site and region
- Automated SMS/email/push alarms and notifications for critical thresholds and equipment faults
- Scheduled and on-demand reporting (CSV, PDF, API access)
- Must support Modbus, IoT/cloud (AMBRA Sistemi NanoCRIOTEL IoT units) AND analogue 4–20 mA (WIKA 2-wire units at UNITAID sites). Brand-agnostic; multi-protocol aggregation onto single dashboard is mandatory.
- Scalability to onboard additional tanks (up to the full national network of 29 tanks) without architectural changes
- Tamper-evident audit trail of system events, alarm acknowledgements and user actions

Site List and Location

Sites are located as per below:

Facility Name and Location				Device on Site	
Province	Facility Name	Latitude	Longitude	No	Yes
Cabo Delgado	HP Pemba	-12,964893	40,493304	1	
Gaza	HP Xai Xai	-25,067957	33,657698	1	
		-25,067879	33,657664	1	
	HR Chokwé	-24,530292	33,003078	1	
Inhambane	HD Quissico	-24,714269	34,747963		1
	HP Inhambane	-23,878593	35,383296	1	
		-23,878583	35,383202	1	
	HR Vilanculos	-21,993093	35,320397	1	
Manica	HP Chimoio	-19,109432	33,478015	1	
		-19,109412	33,478034	1	
Maputo Cidade	HC Maputo	-25,9697706	32,587521		1
		-25,9685316	32,588219	1	
		-25,9684578	32,588218		1
		-25,9683654	32,590120		1
	HG José Macamo	-25,9481799	32,544716	1	
		-25,9478608	32,544779		1
	HG Polana Caniço	-25,9347944	32,605113	1	

		-25,9347373	32,605185		1
		-25,9346952	32,605307	1	
	HG Mavalane	-25,968339	32,590213	1	
Maputo Provincia	HD Manhiça	-25,409075	32,807567		1
	HD Matutuine	-26,821182	32,851135		1
	HG Machava	-25,9150196	32,531927		1
		-25,9150134	32,531668	1	
	HP Matola	-25,966969	32,439555	1	
		-25,9669265	32,439610		1
Nampula	HC Nampula	-15,123807	39,262001	1	
		-15,123766	39,261993	1	
	HG Nampula	-15,063266	39,199641		1
Niassa	HD Cuamba	-14,802372	36,530564	1	
	HP Lichinga	-13,300026	35,245229	1	
Sofala	HC Beira	-19,849843	34,874220	1	
		-19,84954	34,874243	1	
	HD Caia	-17,827554	35,339565	1	
	HG Beira	-19,741187	34,869389	1	
	HR Muxungue	-20,391321	33,934931		1
	HR Nhamatanda	-19,271468	34,203779		1
Tete	HD Angónia	-14,669892	34,243308		1
	HP Tete	-16,179974	33,590675	1	
		-16,179933	33,590682	1	
Zambezia	HC Quelimane	-17,801772	37,155130		1
	HG Quelimane	-17,875868	36,890709	1	
				27	15

2. Deliverables and Deliverables Schedule

CHAI requires that the above items and services be delivered, installed, integrated and commissioned in accordance with an agreed phased implementation plan. Maputo sites (priority) to be commissioned within 4 weeks of Purchase Order issuance; full national rollout (27 facilities, 11 provinces) within 10 weeks. Offerors must submit a proposed site sequencing plan with their bid. Offerors must certify that they can meet the delivery schedule in Annex A below.

3. Warranty and Insurance Requirements

Offerors must provide a minimum twelve (12)-month manufacturer's warranty on all supplied telemetry hardware, covering parts and labor for defect replacement and repair. Offerors must further propose a service level agreement (SLA) for local after-sales support, including guaranteed response times for fault resolution and software updates for the duration of the cloud platform license term, as detailed in Annex A and evaluated under Section E.

4. Period of Performance

The period of performance is expected to commence upon Purchase Order issuance and continue through completion of installation, integration, and commissioning of all 42 tanks (estimated 10 weeks), followed by the initial 12-month cloud platform licensing term under Line Item 3.

Annex A: Proposal Application Form

To: RTGMS Technical Coordinator, CHAI Mozambique – Oxygen Programme

Reference: CHAI-RFP-MOZ-2026-RTGMS-001

Company Name: _____

General

We, the undersigned, hereby provide this offer to perform as described in the referenced RFP. We acknowledge and agree to all terms and conditions. We certify that our organization, as well as our principal officers and key individuals, are eligible to participate in this procurement and are not debarred, nor on any watchlist or sanctions list. We further certify that, to the best of our knowledge, we have no close, familial, or financial relationships with CHAI staff or individuals acting on behalf of CHAI; and that we have no close, familial, or financial relationships with any other bidders on this RFP. If we become aware of a potential conflict of interest, we will disclose immediately to ethics@clintonhealthaccess.org. We also certify that our business license, attached, is accurate and up to date with the relevant authorities.

Company Address	
Company Telephone	
Company Website (if applicable)	
Company Registration or Tax ID	
Does the company have a bank account?	
Name of Bank, if applicable	

Past Performance

We hereby provide three references for similar work that we acknowledge may be contacted at any time by CHAI. We confirm that these references are from the past THREE years.

Reference 1 Company, Entity, or Individual Name Contact Information Brief description of work	
Reference 2 Company, Entity, or Individual Name Contact Information Brief description of work	
Reference 3 Company, Entity, or Individual Name Contact Information Brief description of work	

Quote

By submitting this quote, we certify that the prices presented are accurate and represent market value.

Line Item	Item or Service	Specifications or Description	Quantity	Unit Price (USD)
1	Telemetry Hardware Kits (New Installations)		27 units (Lot)	
2	Connectivity / Integration Modules for Existing Telemetry		15 units (Lot)	
3	Cloud-Based RTGMS Software Platform (12-month initial term)		1 Lot	
4	Installation, Testing & Commissioning Services		1 Lot (42 tanks)	
5	Training, SOPs and Capacity Building		1 Lot	
		TOTAL (USD, inclusive of all costs and taxes)		

Delivery

We confirm that, if selected, we will comply with the delivery schedule as stated in RFP Section G.2, Deliverables and Deliverables Schedule.

Offer Validity

We confirm that this offer and the prices herein are valid for the amount of time listed in RFP Section B.2, Proposal Submission and Validity.

Name (Printed):

Title:

Signature:

Date:

Name (Printed):

Title:

Signature:

Date: