



Request for Proposal for Supply of high-pressure cylinder filling station

Reference	RFP/CHAI-KE-EAPOA-001/26
Posting Date	25 February 2026
Closing date	13 March 2026

Introduction

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 invites financial and technical proposals (RFP) from Manufacturers interested and capable of supplying high pressure compressed cylinders filling station complete with cylinder filling reciprocating pump skid, control panel, electrical panel, high pressure Vaporizers and Vacuum pump Kenya for medical oxygen cylinder filling.

The purpose of this Request for Proposal is to:

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

Submissions

Interested organizations must submit their RFP (electronically) to the email ID chaikebids@clintonhealthaccess.org quoting **RFP/CHAI-KE-EAPOA-001/26** in the subject line no later than **13th March 2026**. When preparing your submission please be guided by the form attached as CHAI code of conduct and ethics for suppliers linked below.

For any clarification /queries please write to us at chaikebids@clintonhealthaccess.org with RFP reference number in the subject line by **27th February 2026**. CHAI may contact respondents for further discussions regarding submissions and subsequent procurement.

Should your submission exceed email capacity and cannot be sent by email, send an email to request an upload link with the subject 'Requesting upload link' to chaikebids@clintonhealthaccess.org

Submissions received after the deadline will not be considered.



CHAI code of conduct for suppliers

The CHAI code of conduct for suppliers is a minimum set of requirements that suppliers must meet to qualify to do business with CHAI and remain in good standing with the organization. Please read the document via this link: [Supplier Code of Conduct](#) and apply for this solicitation only if your organization can comply with these requirements.

Disclaimer

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



Annex: Specifications

GAS FILLING STATION					
Item	Description	Units	QTY	Unit \$	Total \$
1	<p><u>Pump Skid</u> Single cryogenic reciprocating pump 2-10 LPM Max discharge 280 bar Horsepower: 15 HP Voltage: 400 V, 50 Hz, 3 Phase Scope includes instrumentation, electrical items with VFD, PLC and HMI. Liquid Pumped -LOX</p> <ul style="list-style-type: none"> • Designed in compliance with guidelines like IGC 11/82 norm. Standard: CE – PED • Stainless steel base frame • Transmission with pulleys and V-type belts • Transmission protection case in stainless steel with safety limit switch • Suction flexible hose • Tank return flexible hose • Suction thermal relief valve • Delivery manifold with check valve poppet type • Pulsation damper • High pressure relief valve on top of the damper • Manual globe purge valve DN8 (in Monel for maximum safety against O2 ignition) • Nitrogen purge system composed of isolating valve, preset pressure reducer, filter, flow regulator • Pt100 temperature probe installed on delivery side • Pt100 temperature probe for leakage • Pt100 temperature probe on suction / gas return line <p><u>Discharge gas control panel composed of:</u></p> <ul style="list-style-type: none"> • Panel in stainless steel • Pressure gauge • Pressure safety valve • Pressure transmitter • Manual vent valve <p><u>Electrical control panel composed of:</u></p> <ul style="list-style-type: none"> • Stainless steel case • Start and stop buttons • Speed selector • Emergency stop button • Ammeter • Hour counter 	No.	2		



2.	<p><u>High Pressure Ambient Vaporizer</u></p> <ul style="list-style-type: none"> • High pressure vaporizers with aluminium finned outer tubes and high strength stainless steel inner tubes for gas vaporization through ambient air heat exchange. • Flow capacity 600NM3/Hr for pressure up to 500 bar <ul style="list-style-type: none"> • Conformance with the requirements of PED 2014/68 EU Or ASME “U” stamp certificate • ISO 15001:2010 • CGA G-4.9 (AIGA 057) • Temperature range -196 deg. C-50 deg. C • Maximum Allowable pressure 500 bars. • Ce Marked 	No.	2		
3	<p><u>Gas Filling Racks</u></p> <ul style="list-style-type: none"> • A gas filling rack with capacity to fill a batch of 20 Cylinders at once. • The gas filling rack to comply with the requirements of the following standards <ul style="list-style-type: none"> ✓ CGA 540 standards ✓ ISO 10524-2 ✓ ISO 13485 & ISO 9001 ✓ ISO 7396-1 ✓ ISO 11114-1 & 11114-2 ✓ EN ISO 16964 • Complete with flexible high pressure filling hoses • A safety cage to protect the operators. • Pressure transmitter • Purge valve DN15 • Isolating manual valves DN15 for each side of filling ramps • Vent lines with valves • Vacuum pump 100 M3/h O2 compatible • Vacuum system • 20x filling places with independent valves • Pressure gauge • 20x Flexible hoses and connectors • Support for 10L with sockets and holding chains • Additional support for small cylinders • 	No.	2		
	Total				