



Saving lives. Improving health.  
Transforming futures.

## Request for Quotation (RFQ-22-024) Medical Oxygen Filling Station (Oxygen Cylinder Filling unit) in Ethiopia

June 2022

**Note:** This document contains Jhpiego Business Confidential Information and shall not be distributed outside of your organization without the prior written consent of Jhpiego

**TABLE OF CONTENTS**

Introduction ..... 3

Jhpiego ..... 3

Schedule ..... 3

Contact Details ..... 4

Locations ..... 4

Scope of Work ..... 4

Evaluation Criteria ..... 8

Directions for Response ..... 8

Questions From Bidders ..... 9

Proposal Validity ..... 9

Award of Contract ..... 9

Contract Terms ..... 9

## INTRODUCTION

Through this Request for Quotation, Jhpiego intends to engage with vendor(s) to provide Medical Oxygen Filling Station (oxygen cylinder filling unit) for existing oxygen generator plant in Ethiopia. Bids of only those parties shall be accepted who have at least three years' experience in supply and installation of similar Medical Equipment.

The engagement will be dependent on the vendor's ability to provide services that meet the requirements outlined in the Scope of Work (Specification & Technical Details) And the most competitive price. Although Jhpiego is entering into this RFQ process with the intention of evaluating suppliers and possibly purchasing services from a supplier, this document in no way commits Jhpiego to make any purchase, or make any other legal commitment to enter into a business relationship with any bidder. Jhpiego thanks you for your participation in this RFQ process and looks forward to learning more about your organization.

## JHPIEGO

Jhpiego (pronounced "ja-pie-go"), is an international non-profit health organization affiliated with the Johns Hopkins University.

For almost 50 years and in over 155 countries, Jhpiego has empowered front-line health workers by designing and implementing effective, low-cost, hands-on solutions to strengthen the delivery of health care services for women and their families. By putting evidence-based health innovations into everyday practice, Jhpiego works to break down barriers to high-quality health care for the world's most vulnerable populations. Jhpiego's focus is on training and support for health care providers-including doctors, nurses, midwives and health educators working in limited-resource settings throughout Africa, Asia, the Middle East, Latin America and the Caribbean.

Jhpiego's program management strategy recognizes the technical complexity and geographical, cultural, socio-economic and political diversity among our programs. We develop global program initiatives and technical interventions that can be adapted for country-specific applications. In support of this field-driven philosophy, Jhpiego uses a decentralized organizational structure that consists of a global "delivery system" designed to implement the entire portfolio of Jhpiego awards with assistance from key technical, programmatic and administrative staff.

## SCHEDULE

The following is the planned schedule for this RFQ process. All dates are listed in the local time for Baltimore, MD, USA (EDT - UTC/GMT-5). We will update you if circumstances dictate a change to this schedule.

- Distribution of the RFQ: **June 3, 2022**

- Bidder Questions Due: **June 10, 2022**
- Answers to Questions Published: **June 14, 2022**
- Proposals Due: **June 19, 2022**
- **Note:** Failure to comply with any of the above deadlines will be interpreted as your intention to not participate in this RFQ

## CONTACT DETAILS

Please direct all questions and RFQ responses to the following primary contact:

**Nawid Atayee**  
Jhpiego.sourcing@jhpiego.org

**NOTE:** All formal responses and questions must be submitted **by email** to the contact listed above. Questions will not be answered over the phone.

## LOCATIONS

Jhpiego's headquarters is located at the below address, from where this effort will be managed:

1615 Thames Street  
Baltimore, MD 21231, USA

## SCOPE OF WORK

Jhpiego is looking for vendor(s) to provide 2 potential Medical Oxygen Filling Stations (oxygen cylinder filling unit) for existing oxygen generator plant in Ethiopia.

The supplier would be responsible for installation (connection of booster) with existing plant together with local Technicians (engineers), Provide training for operators, supply all accessories for installation, has local agent to provide spare parts and maintenance service up on official request. Loading, unloading and all installation related equipment and all other required material & resources are in bidder's scope. Only civil work and water/power supply at one point shall be in Jhpiego scope. For additional technical details, please refer to the following table.

Name of item	Technical Specification		Remark
	Specification of existing oxygen generator  (for reference)	<b>Specification for cylinder filling unit (Booster)</b>	<ul style="list-style-type: none"> <li>Quantity will be decided based on capacity of booster and number of manifold</li> </ul>
<b>Oxygen Filling Station (Booster)</b>	<ul style="list-style-type: none"> <li><b>Equipment name:</b> Oxygen Generator Plant</li> <li><b>Basic features</b></li> <li>Aluminium air Separation Column</li> <li>Oversize Molecular Sieve Dryer</li> <li>No extra raw material is required</li> <li>Trouble free operation for years</li> <li>Production of oxygen &amp; nitrogen simultaneously without use of bulky gas holders.</li> <li>With a capacity for about 200 beds at a time</li> <li>Oxygen purity .... 93-95%</li> <li>Outlet flow (production capacity) ... <b>110Nm<sup>3</sup>/H</b></li> <li>Pressure ...4 bar ( O2 outlet) 7 bar (ait inlet) (ADJUSTABLE)</li> <li>DEW POINT ....&lt; -45 C DRY</li> <li>There is O2 after-cleaning, testing and controlling cabinet consisting of O2 cleaning device</li> </ul>	<b>Description of product:</b> <ul style="list-style-type: none"> <li>Medical Oxygen Filling Station (oxygen cylinder filling unit) for existing oxygen generator plant</li> </ul> <b>Technical Features</b> <ul style="list-style-type: none"> <li>The system should be enclosed with separate container and includes all essential utilities such as                             <ul style="list-style-type: none"> <li>✓ Oxygen compressor</li> <li>✓ Low pressure buffer vessel</li> <li>✓ Cylinder loader Ramps for N3 cylinder (50 litter size)</li> <li>✓ Manifold (cylinder connection facility)</li> <li>✓ Complete electrical board for incoming power</li> <li>✓ Complete internal full connection facilities</li> <li>✓ Numerical information facility to show oxygen filling procedure and any relevant information (pressure level, electric power, warning alarm etc...)</li> <li>✓ Pressure control valve</li> </ul> </li> <li>Have 6 to 8-cylinder loader at time (simultaneously).</li> <li>The booster should have filling capacity of 50 litter cylinder</li> <li>Filling Capacity up to 200 cylinders per day (24 hr.).</li> <li>Compressor flow capacity up to 40m<sup>3</sup>/hr.</li> <li>Cyclical 24/7</li> <li>Nominal discharge pressure (outlet pressure from booster) 150 bar while the maximum discharge pressure should be 200 bar (user adjustable)</li> <li>Booster type should be Oil free (must be Belt- pump system)</li> </ul>	Temporarily it is estimated to be <b>02</b> based on currently available booster on international market

	<p>temperature testing device and control system. Removing dust, eliminating bacteria and stabilizing pressure to assure the oxygen outputted stably and meeting medical standards</p> <ul style="list-style-type: none"> <li>• Start/stop button to gain the oxygen with required flow capacity and purity within 30 minutes</li> </ul>	<ul style="list-style-type: none"> <li>• Three phase power supply (380 V, 50 Hz)</li> </ul> <p><b>Supplier responsibility.</b></p> <ul style="list-style-type: none"> <li>• Installation (connection of booster) With existing plant together with local Technicians (engineers)</li> <li>• Provide training for operators</li> <li>• Supply all accessories for installation.</li> <li>• Has local agent to provide spare parts and maintenance service up on official request.</li> </ul> <p><b>Supplied with</b></p> <ul style="list-style-type: none"> <li>• Service and operation manual in English</li> <li>• Flow sheets.</li> <li>• Conformity certificates.</li> <li>• Connection facility with existing plant (booster will be connected from final oxygen storage tank)</li> <li>• Stainless steel tubing for connection facility (not mandatory, can be other material)</li> <li>• Extra Pressure regulator gauge (if available)</li> <li>• All relevant Accessories (spare parts) such as pressure regulating valve; line filter, high pressure hose (preferably metallic hose) and Branching fitting for installation.</li> </ul> <p><b>Warranty</b></p> <ul style="list-style-type: none"> <li>• 2 years from date of installation</li> <li>• Service training should be delivered by the supplier to local BME</li> <li>• Installation and filling site is to be done by the supplier</li> </ul>	
--	--	--	--

**Notice for consideration:**

- Booster Supplier is advised to inspect the specification for oxygen generator plant deeply since the booster structure and its filling capacity will depend on existing oxygen generator.
- Currently central supply is designed to distribute medical oxygen for 200 beds at time which needs to be considered for filling station as well.

## EVALUATION CRITERIA

Proposals will be evaluated based on the following criteria:

- Specification Requirements - Vendor must provide a quote for the item(s) with the exact or similar specifications outlined in the scope of work (Technical Specifications)
- Price: Will be evaluated based on competing bids. Jhpiego will review proposed bids on the basis of overall value for money.
- Company Background- Overview of company, services offered, licensing, certifications, etc.
- Fulfillment Lead Time - Vendor must identify the respective lead time from receiving an order to delivery/shipment and installation in our project location in Ethiopia.

## DIRECTIONS FOR RESPONSE

All responses to this RFQ must include the components and follow the guidelines below. **Any proposal that does not follow these guidelines may be disqualified.**

Complete and submit the following component in your proposal:

### ANSWER SHEET (EXCEL FILE)

- General – 1<sup>st</sup> tab – Provide your company’s contact information for this RFQ process and provide responses to the background and qualification questions.
- Pricing – 2<sup>nd</sup> tab – Provide the item information and respective unit price for the Liquid Oxygen Storage system with Air-heated vaporizer you sell.
- References – 3<sup>rd</sup> tab – Please provide at least three customer references Jhpiego may contact.

Direct all responses to the primary contact (see “Contact Details” section) via e-mail by the time indicated (EST - UTC/GMT-5) on the day indicated in the schedule.

Under no circumstance should any bidder attempt to circumvent this RFQ process by contacting Jhpiego directly, submitting any proposals, offering discounts outside of the parameters of this process. Please submit all proposals and ask all questions according to the provided timelines and through the channels designated in this document and any other tender documents that may follow. Please direct all questions, information, or concerns to the designated primary contact only.

Questions to the designated primary contact are entirely welcome. However, any violation of these directions will be considered an attempt to gain an unfair advantage over the other competitors, and will result in disqualification of the violating bidder. Any disqualified bidders will be removed from the process and any further submissions by that bidder will not be accepted.

Jhpiego reserves the right to reject any and all proposals and bears no responsibility for any costs of preparing any proposal.

## QUESTIONS FROM BIDDERS

In the interest of fairness and completeness of answers, all questions from all bidders will be aggregated, answered and sent to all bidders on the date and time indicated in the schedule. Please submit your questions to the primary contact identified above **via email** by the day they are due (see "Schedule" section). Jhpiego will not respond to questions over the phone because it becomes difficult to share those same answers with the other firms. Jhpiego will respond to all bidders simultaneously, including all bidders' questions and their corresponding responses.

## PROPOSAL VALIDITY

Vendor shall submit a proposal that is valid for 120 days after the proposal due date per the "Schedule" section above.

## AWARD OF CONTRACT

The firm that, in the opinion of Jhpiego, has submitted the proposal providing the best value for Jhpiego based on the evaluation criteria may be awarded a purchase order.

## CONTRACT TERMS

Any resulting agreement will be conditional upon the vendor's acceptance of the Johns Hopkins University Terms and Conditions (<http://ssc.jhmi.edu/supplychain/terms-jhu.html>) and must be approved by Jhpiego's Executive Office. Jhpiego's standard payment terms are Net 30. It is anticipated that any resulting contract will include fixed rates as proposed as part of this RFQ.