



REQUEST FOR PROPOSALS (RFP) FOR THE INSTALLATION OF A TRIPLEX AIR COMPRESSOR FOR THE VICENTE CORRAL MOSCOSO HOSPITAL IN THE CITY OF CUENCA, ECUADOR

Summary of terms

Release of Request for Proposals	January 10, 2022
Proposal expiration / last proposal submission date	January 21, 2022 5pm EST

Clinton Health Access Initiative (CHAI) invites interested and capable organizations to submit proposals to install a triplex air compressor for the Vicente Corral Moscoso Hospital in Cuenca, Ecuador.

If you decide to submit your quote in response to this Request for Proposals (RFP), please send completed submission in electronically to Rodrigo Valencia, COVID-19 Associate, South America, at rvalencia.ic@clintonhealthaccess.org before 5pm (EST) on January 21, 2022.

Questions regarding this RFP should be addressed to Rodrigo Valencia to the email mentioned above.



BACKGROUND

A. CLINTON HEALTH ACCESS INITIATIVE (CHAI)

Clinton Health Access Initiative, Inc. (CHAI) is a global health organization committed to saving lives and reducing the burden of disease in low- and middle-income countries, while strengthening the capacities of governments and the private sector in those countries. to create and maintain high-quality health systems that can succeed without our help. For more information visit: www.clintonhealthaccess.org

B. THE PROGRAM: OXYGEN TECHNICAL ASSISTANCE

The first case of SARS-CoV-2 was registered in Latin America on February 26, 2020, when Brazil confirmed the presence of the virus in Sao Paulo, and since then, more than 46 million cases have been registered in the region. According to statistics from the World Health Organization (WHO), in 2020, Latin America and the Caribbean was the region with the highest number of confirmed cases worldwide, representing a quarter of all cases worldwide.

Latin America continues to bear one of the highest burdens of COVID-19 in the world and its health systems are among the hardest hit by the pandemic. Despite initial progress in preparing for an emergency response, many countries in the region continue to experience difficulties in providing quality and timely care to patients. Documented gaps have included limited testing capacity, difficulty in connecting the patient care pathway with a single information system, limited ability to implement oxygen therapy, medication shortages, ICU saturation, and delays in the implementation of a vaccination strategy or limited access to vaccines.

Since July 2021, CHAI began supporting Ecuador and Guatemala with a new program focused on strengthening the technical oxygen capacity of those two countries. Under the new Oxygen Technical Assistance Program, funded by UNITAID, CHAI is working with the Ministries of Health in prioritizing five to six hospitals, in different departments of the aforementioned countries, where COVID-19 cases are higher, as well as the gaps to provide adequate therapy to patients. Program interventions will include: a) improvement of hospital infrastructure, b) training in clinical aspects of oxygen therapy and also in O2 prognosis and related products, c) development of preventive and corrective maintenance programs for each of the hospitals prioritized,

C. TECHNICAL ASSISTANCE AT VICENTE CORRAL MOSCOSO HOSPITAL



The Vicente Corral Moscoso Hospital in the city of Cuenca in Ecuador was inaugurated in 1977 with an installed capacity of 290 beds. Over the last few years, several remodeling works have been carried out that have not been completed from a technical and functional point of view, but based on the assigned budgets.

The Vicente Corral Moscoso Hospital is the hospital unit with the greatest technical complexity and resolution capacity of the Service Network of the Ministry of Public Health (MSP) in the south of the country, which has made it the unit with the greatest demand from the population, which also receives referrals from the health units of the MSP in zones 6 and 7, and referrals from the Units of the Comprehensive Public Health Network, especially the Hospital José Carrasco Arteaga of the IESS, Hospital Militar de Cuenca and the Private Complementary Network, who do not have sufficient resolution capacity, an aspect that saturates all services and causes slowness or repression in care.

In March 2020, the Vicente Corral Moscoso was declared a sentinel hospital for the hospitalization and treatment of suspected and confirmed patients with the COVID-19 virus. From that moment, the entire emergency area was isolated and suitable for the care of positive patients with COVID-19, where the biosafety regulations established in the contingency plan must be met, including the restriction of access to prevent possible infections. to health personnel and other users of other services of this health home. The designated area housed 24 ICU patients (ventilated with high flow), in addition to ICU patients from the pediatric, neonatology, operating rooms, delivery rooms, adult ICUs (not COVID-19). From July 11, 2020,

The increase in ventilated patients caused the institution's compressor to work at more than its capacity, reaching the limit of medical air supply for the hospital's internal network and consumption, at the same time that it has shown mechanical and electrical damage to the compressor.

The project consists of strengthening the medical gas distribution system at the Vicente Corral Moscoso hospital in the city of Cuenca. The facility will allow the hospital to expand its capacity to care for patients, especially those suffering from COVID-19, which in turn means an improvement in the quality of care for the population.

SCOPE OF WORK

The purpose of this Request for Proposals (RFP) is to request competitive bids for the installation of a triplex air compressor for the Vicente Corral Moscoso Hospital in Cuenca, Ecuador.

A. TECHNICAL AND QUALITY INFORMATION

Only complete bids with the following documentation below will be considered:

- Product and model reference (brochure)
- User manual detailing procedures and equipment required for cleaning, preventive maintenance, and troubleshooting
- Proof of adherence to an SRA pharmacopoeia
- QMS for company carrying out design, manufacture, and installation (either ISO 9001 or ISO 13485 with scope clearly defined)
- PED or ASME III, or equivalent certificate for pressurized vessels
- Declaration of compliance with the following standards (or equivalents):
 - ISO 7396-1
 - ISO 15001, ASTM G93, or equivalent for pressurized vessels

The following are the technical specifications that the supplier must meet and provide associated documentation for the Installation, materials and devices:

A. Technical Requirements for Triplex Air Compressor

Medical Air Compressor Specifications

Component	Specifications
Technical components	<ul style="list-style-type: none"> ○ Configuration: <ul style="list-style-type: none"> ○ TripLex compressor ○ Duty and standby dryer ○ Control panel <ul style="list-style-type: none"> ○ Digital display ○ Continuous operations ○ Ethernet Connection ○ Clearly visible in Spanish, for at least: <ul style="list-style-type: none"> ▪ Output pressure ▪ System status, including current maintenance need ▪ Cumulative hours of operation (digital or analogue meter) ○ Air compressor (includes motor and sub-assembly) <ul style="list-style-type: none"> ○ Provides 100% system design flows with one compressor out of service ○ Feed air compressor, oil-free type, minimum 750 kPa [108 psi] ○ Noise: ≤ 97 dBA ○ Dryer / filter / regulation system <ul style="list-style-type: none"> ○ Dessicant type dryer ○ Sized for 100% of system peak calculated demand ○ Pressure Dewpoint: -40 deg Celsius (- 40 F)

	<ul style="list-style-type: none"> ○ Discharge pressure range: 345 kPa to 380 KPa [50-55 PSIG] ○ Includes dew point meter ○ Filter assembly to include dust filter (1 micron), duplex activated carbon filters, and duplex bacterial filter (0.01 micron). ○ Air receiver tank <ul style="list-style-type: none"> ○ Automatic drain
Power requirements	<ul style="list-style-type: none"> ○ Panel / operations: 120 V / 60 Hz (single-phase) ○ Compressor: 208 V / 60 Hz (3-phase)
Infrastructure requirements	<ul style="list-style-type: none"> ○ Manufacturer must indicate the following aspects to match infrastructure capabilities within facility: <ul style="list-style-type: none"> ○ Acceptable mains capacity, ○ Appropriate connection / adapters, ○ Compatibility with back-up power supply ○ Infrastructure requirements for operation: ○ Appropriate housing including roofing, ventilation, air conditioning (if necessary), a clean room without oil, grease and petroleum-based or other flammable products.
Environmental considerations	<ul style="list-style-type: none"> ○ Operating temperature and humidity: 10-40 ° C, 15-95% RH ○ Suitable to function at elevation of 2,560 meters ASL (8399 ft)
Documentation	<ul style="list-style-type: none"> ○ Provision of hard and soft copies of the following documents: <ul style="list-style-type: none"> ○ Certificate of quality, calibration, and inspection ○ User manual, detailing <ul style="list-style-type: none"> ▪ Protocols for operations ▪ List of procedures and equipment required for cleaning ▪ List of procedures and equipment for preventive maintenance ▪ Troubleshooting chart ○ Contact details of manufacturer, and authorized distributors (if applicable), and local service agents ○ Product and model reference (brochure)
Installation, testing, commissioning	<ul style="list-style-type: none"> ○ Pre-shipment: Certificate of quality, calibration, and inspection ○ On-site: <ul style="list-style-type: none"> ○ Installation to include training on start-up, use, and maintenance ○ Inspection, testing and commission should be done before handover. ○ Verification to include: <ul style="list-style-type: none"> ○ Pressure levels ○ Electrical system functionality, alarms functionality ○ If possible, conformity of installation shall be verified by a certified third party. Otherwise, alternative verification process to be agreed upon between vendor and owner.
Warranty	<ul style="list-style-type: none"> ○ 2 years
Specifications & guidelines	<ul style="list-style-type: none"> ○ In the absence of national guidelines or standards, the following should be utilized to support with system planning and / or design: <ul style="list-style-type: none"> ○ Guidelines <ul style="list-style-type: none"> ▪ HTM-02-01 or NFPA 99 ○ Standards <ul style="list-style-type: none"> ▪ ISO 7396-1 ○ Design, manufacture, and installation shall be carried out by specialist firms certified ISO 9001 or ISO 13485, with the scope of registration appropriately defined. ○ All pressurized vessels to be cleaned according to ISO 15001, ASTM G93, or equivalent.
Regulatory	<ul style="list-style-type: none"> ○ Medical air produced shall meet the requirements of an SRA pharmacopoeia (eg, Ph Eur, USP). ○ All pressurized vessels to be: <ul style="list-style-type: none"> ○ Designed according to PED or ASME VIII, or equivalent.

	<ul style="list-style-type: none"> ○ Certified PED or ASME III, or equivalent.
Service level agreement	<ul style="list-style-type: none"> ○ 12 months ○ Provide: <ul style="list-style-type: none"> ○ Training schedule ○ Training content ○ Schedules for planned preventive maintenance (PPM) ○ Define corrective maintenance, including repair agreements, delineating what falls out of warranty ○ Provide time for response ○ Provide time for availability of critical spares ○ Origin and / or warehouse location of spares

APPLICATION TO THE PROJECT

Based on the national COVID-19 response, through the Oxygen Technical Assistance Program, CHAI assessed priority facilities and determined where new equipment and services could be placed. The evaluations have included an assessment of the current infrastructure, the types of care provided, and the capacity of staff. Considerations for oxygen availability, such as network design and optimization for oxygen supply, have been incorporated into this stage.

To apply to this RFP, applicants must provide (1) a completed application form (Sections 1 and 2); (2) a complete budget template (collectively “Materials”), (3) technical and quality documentation outlined in the Scope of Work, and (4) evidence of technical visits to at least 2 of the 4 facilities. January 17 will be used to receive questions from the candidates, until the 20th the proposals will be received and on January 24 the winners will be published. As of January 25, the winners will have 2 months to Proposed budgets must not exceed USD \$ 55,000. Quotation will remain valid for 30 days from the closing date of this RFP.

SECTION 1: BENEFICIARY INFORMATION

- 1. Name of the beneficiary organization:**
- 2. Contact information (include contact name, address, phone number and email):**
- 3. Total budget requested:**
- 4. Commercial references:**
- 5. Provide a brief description of the organization.**

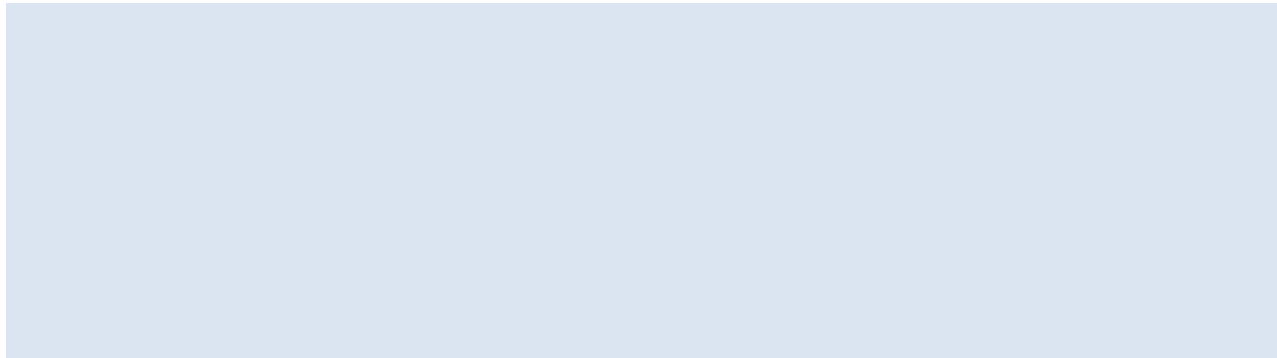
- 6. Provide information on experiences related to the work area.**

SECTION 2: PROJECT INFORMATION

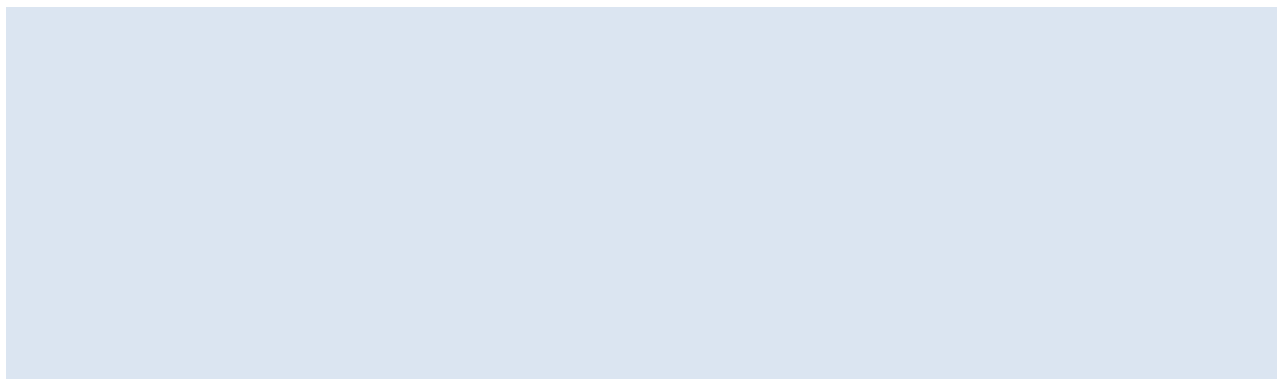
1. Description of the project and deliverables
2. Top activities with due dates and deliverables schedule (make sure the activities shown here match the activities shown in the budget template):

Activity (s) / Deliverables	Description	Estimated date of completion

3. How will this project contribute to the optimization of oxygen delivery to patients in the country or to what extent will it contribute to improving it?



4. How will you carry out the project within the indicated timeframe? If the project is urgent (for example, funding must be ready before the XX date to achieve the proposed results), indicate it here.



ELIGIBILITY AND QUALIFICATION OF OFFERS

ELIGIBILITY

The RFP is open to companies that meet the following criteria:

Suppliers will agree to establish a temporary project team structure that includes the participation of CHAI, as well as to organize regular meetings (in person or via telecommunications) and on site when necessary.

OFFER RATING

Qualification criteria of the tender:

- a. The determination of the qualifications for the selection of the winning bid will be made according to the criteria described in the following table:

CRITERION	POINTS
Delivery Time	10
Technical Support	20
Warranty	30
Price	40

DELIVERY TIME

The offer that presents the shortest delivery time in business days for Installation and delivery of accessories, you will automatically get ten (10) points; the other offers will have a rating inversely proportional to the first, depending on the value of your offer. For which the following formula must be taken:

$$\frac{\text{Shortest delivery time offered} \times 10}{N \text{ value}}$$

Value N = Delivery term of the offers to qualify (in business days).

TECHNICAL SUPPORT:

Documents that certify the technical skills of the personnel who will execute the installation, binding certifications, including CVs, photocopies of diplomas, certificates and / or certifications that guarantee competence in this type of service, in the last 10 years to the date of presentation. of the offers.

For the qualification, the BOARD will assign twenty (20) points according to the documents that endorse the competence of the technicians presented by the BIDDER, according to the following formula:

Value NX 20
Increased number of records

N value = Evidence to qualify.

WARRANTY:

The offer that presents the highest guarantee will automatically obtain thirty (30) points; the other offers will have a rating inversely proportional to the first, depending on the value of your offer. For which the following formula must be taken:

Value N X 30
Highest Guarantee offered

Value N = Offer guarantee to qualify.

PRICE:

The offer that presents the lowest price will automatically obtain forty (40) points; the other offers will have a rating inversely proportional to the first, depending on the value of your offer. For which the following formula must be taken:

Lowest price offered X 40
N value

Value N = Offer price to qualify.

OTHER INFORMATION

Failure to provide all the information required by the RFP or submitting an offer that does not respond to the RFP in all respects will be the responsibility of the bidder and may result in the rejection or disqualification of the offer.

CHAI shall have the right to seek any additional information or document from the bidder in the manner it deems appropriate in its sole and absolute discretion.

The offer prepared by the bidder, as well as all correspondence and documents related to the offer exchanged by the bidder and CHAI will be drawn up only in Spanish. However, in case the bidder chooses to attach certain supporting documents in any language other than Spanish, the bidder must also attach certified / authentic translated copies thereof in English. Any document that is not translated into Spanish will not be considered and the offer will be considered incomplete and therefore, subject to disqualification.

All prices quoted in the offer will be quoted in United States dollars.

CHAI will examine the offers to determine if they are complete, if they comply with all the conditions of the RFP and if the documents have been duly signed and the offers are in general

order. If there is a discrepancy between words and figures, the quantity in figures can be used as the prevailing quantity.

Disclaimer

Distribution of this document does not mean that CHAI is committing to award a contract or fund an applicant.

CHAI will not reimburse or assume any costs associated with this RFP regardless of whether an organization is selected to supply.

Please note that no fee is required for the submission of these applications.

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 the RFP.

Confidentiality

The information that the Respondent considers proprietary must be clearly marked as such. All such information will be treated confidentially and used by the CHAI team for evaluation purposes only.