



Invitation for Bid

Tender Document for Procurement of Biomedical Maintenance toolkits, analyzers, office furniture and related services for Tirunesh Beijing General Hospital

Procurement Reference No.: EM/CSP/001/23

Country: Ethiopia

Issued on: 26 July 2023

ACRONYMS

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| CHAI | Clinton Health Access Initiative |
| DDP | Delivered Duty Paid Incoterms |
| ETB | Ethiopian Birr |
| MOH | Ministry of Health |
| HF | Health Facility |
| HTM | Health Technical Memorandum |
| IFB | Invitation for Bid |
| ISO | International Standard Organization |
| PMED | Pharmaceutical and Medical Equipment Directorate |
| PO | Purchase Order |
| PPM | Planned Preventive Maintenance |
| Q&A | Question and Answers |
| RHB | Regional Health Bureau |
| SLA | Service Level Agreement |
| UN | United Nations |
| USD | United States Dollar |
| COVID-19 | Corona Virus Disease 2019 |

CONTENTS

| | |
|--|-----------|
| Acronyms | 2 |
| Background | 5 |
| Procurement Context | 5 |
| Process | 5 |
| Objective and Scope | 5 |
| Section -Letter of Invitation | 6 |
| Section 2. Instruction to Bidders | 8 |
| GENERAL PROVISION | 8 |
| Introduction..... | 8 |
| Fraud & Corruption, Gifts and Hospitality | 8 |
| Eligibility..... | 8 |
| Conflict of Interests..... | 9 |
| PREPARATION OF BIDS | 9 |
| General Considerations..... | 9 |
| Cost of Preparation of Bid | 10 |
| Language..... | 10 |
| Documents Comprising the Bid..... | 10 |
| Documents Establishing the Eligibility and Qualifications of the Bidder..... | 10 |
| Technical Bid Format and Content | 10 |
| Price Schedule / Financial Proposal..... | 11 |
| Bid Security | 12 |
| Currencies..... | 13 |
| JointVenture, Consortium or Association | 13 |
| Only One Bid..... | 14 |
| Bid Validity Period | 14 |
| Extension of Bid Validity Period | 14 |
| IFB-related Questions or Clarifications (from the Bidders)..... | 15 |
| Amendment of Bids | 15 |
| Alternative Bids..... | 15 |
| Pre-Bid Conference..... | 15 |
| SUBMISSION AND OPENING OF BIDS | 16 |
| Submission..... | 16 |
| Deadline for Submission of Bids and Late Bids | 17 |
| Withdrawal, Substitution, and Modification of Bids..... | 17 |
| Bid Opening..... | 17 |
| PROCEDURES FOR BID EVALUATION | 17 |
| Confidentiality | 17 |
| Bid Evaluation | 18 |
| Preliminary Examination | 18 |
| Evaluation of Eligibility and Qualification | 18 |
| Evaluation of Technical Bid and Price Schedule/Financial Proposal..... | 19 |
| Due diligence..... | 19 |
| Clarification of Bids..... | 19 |
| Responsiveness of Bid | 20 |
| Nonconformities, Reparable Errors and Omissions | 20 |
| AWARD OF CONTRACT | 20 |
| Right to Accept, Reject, Any or All Bids..... | 20 |
| Award Criteria | 21 |
| Debriefing..... | 21 |
| Right to Vary Quantities at the Time of Award..... | 21 |
| Contract Signature | 21 |
| Contract Type and General Terms and Conditions | 21 |

| | |
|---|-----------|
| Performance Security..... | 21 |
| Bank Guarantee for Advanced Payment..... | 22 |
| Liquidated Damages..... | 22 |
| Bidders' Complaint Lodging Procedure..... | 22 |
| Section 3. Bid Data Sheet (BDS)..... | 23 |
| Section 4. Evaluation Criteria..... | 26 |
| Preliminary Examination Criteria..... | 26 |
| Section 5a: Supply, Installation, commisioning Schedule of Requirements and Technical Specifications/Bill of Quantities..... | 30 |
| Annex A: Specifications for bIO-MEDICAL mAINTIANANCE WORKSHOP EQUIPMENTS..... | 30 |
| Lot One..... | 30 |
| 1.1 Biomedical Maintenance Workshop Calibration and Analyzers List..... | 30 |
| 1.2 Biomedical Maintenance Workshop Calibration and Analyzers technical specification..... | 31 |
| Lot Two..... | 43 |
| 2.1 Electrical & Electronics Workshop hand tools and test equipment Lists..... | 43 |
| 2.2 ELECTRONICS MAINTENANCE WORKSHOP EQUIPMENT Technical Specification..... | 43 |
| Lot Three..... | 52 |
| 3.1 MECHANICAL WORKSHOP HAND TOOLS AND MACHINERIES Lists..... | 52 |
| 3.2 MECHANICAL WORKSHOP HAND TOOLS AND MACHINERIES TECHNICAL <i>specification</i> | 52 |
| Lot Four..... | 63 |
| 4.1 ICT Equipment List..... | 63 |
| 4.2 ICT Equipment Technical specification..... | 63 |
| PART FIVE..... | 71 |
| 5.1 OFFICE FURNITURE List..... | 71 |
| 5.2 OFFICE FURNITURE technical specifications..... | 71 |
| SSection 5b: Other Related Requirements..... | 74 |
| Section 6: Returnable Bidding Forms / Checklist..... | 75 |
| Form A: Bid Submission Form..... | 76 |
| Form B: VENDOR/BIDDER DETAILS Form..... | 77 |
| Form C: Joint Venture/Consortium/Association Information Form..... | 79 |
| Form D: Eligibility and Qualification Form..... | 81 |
| Form E: Format of Technical Bid..... | 83 |
| FORM F: Price Schedule / Financial Proposal Form..... | 87 |
| FORM G: Form of Bid Security..... | 90 |

BACKGROUND

Medical Devices are one of the major health care assets directly used to provide lifesaving and quality health care at service delivery points. Therefore, medical devices need special care and proper maintenance service to render the intended service at the health facilities. A well-planned and managed maintenance program that is able to keep the medical device in a health care institution functional, safe, and ready for use when it is needed for diagnostic procedures, treatments, and monitoring of patients.

The MOH, in collaboration with its key stakeholders like CHAI Ethiopia and other implementing partners, has been working on health technology management which include procurement of different medical devices/equipment like Pressure Swing Adsorption (PSA) oxygen generating plants, manifolds, pipeline systems and power generators to meet the additional oxygen need for COVID-19 pandemic management and beyond.

PROCUREMENT CONTEXT

To improve the optimum service of a given medical device in its operational life, availability of well-equipped functional Maintenance workshop has significant impact to reduce unnecessary cost, interruption of service and subsequently to improve quality of health service at health facilities. Accordingly, MOH has started working on renovation of Tirunesh Beijing General Hospital Maintenance workshop through procuring of the Biomedical Maintenance toolkits, analyzers, office furniture and related activities to serve as a model and Center of Excellence in maintenance and training workshop in the Country.

Clinton Health Access Initiative (CHAI) carries out a wide range of programs to support the Ministry of Health of Ethiopia in improving the health status of the country by ensuring access to quality health services. Apart from the COVID-19 support to MOH, CHAI Ethiopia is currently working in the following programs: Non-Communicable Diseases (NCDs), Maternal and Newborn Health (MNH), HIV Access, Lab Services, Vaccines, Child Survival/Essential Medicine program, Assistive Technology, NTDs and Health Financing.

CHAI invites eligible bidders for the supply of the aforementioned items and services at Tirunesh Beijing General Hospital.

PROCESS

The procurement process will be conducted with consideration for efficiency, cost-effectiveness, value for money and long-term sustainability of the oxygen ecosystem. This procurement request was developed in direct partnership with the Ethiopian MOH.

OBJECTIVE AND SCOPE

CHAI is seeking quotes which include the procurement/supply of materials, installation, training and related services of:

1. Lot One: Biomedical Maintenance Workshop Calibration and Analyzers
2. Lot Two: Electrical & Electronics Workshop hand tools and test equipment
3. Lot Three: Mechanical Workshop Hand Tools and Machineries.
4. Lot Four ICT Equipment

Detailed specifications for all the above items can be found in **Annex A**. The contract shall include the quantity of the items above; all taxes, duties and other levies payable shall be indicated separately.

Desired shipping, installation and commissioning costs should be under DDP INCOTERMS 2020.

SECTION -LETTER OF INVITATION

The Clinton Health Access Initiative (CHAI), in collaboration with the Ministry of Health Ethiopia, invites interested and capable vendors to respond to this tender for the procurement of materials and delivery to the final destination sites,.

This IFB includes the following documents and the General Terms and Conditions of Contract which is inserted in the Bid Data Sheet:

Section 1: Letter of Invitation

Section 2: Instruction to Bidders

Section 3: Bid Data Sheet (BDS)

Section 4: Evaluation Criteria

Section 5: Schedule of Requirements and Technical Specifications

Section 6: Returnable Bidding Forms

- Form A: Bid Submission Form
- Form B: Vendor/Bidder Details Form
- Form C: Joint Venture/Consortium/Association Information Form
- Form D: Qualification Form
- Form E: Format of Technical Bid
- Form F: Price Schedule/Financial Proposal
- Form G: Form of Bid Security

If you are interested in submitting a Bid in response to this Invitation for Bid (IFB), please prepare your Bid in accordance with the National Competitive Bidding (NCB) requirements and procedure as set out in this IFB.

Bidders should submit Technical, Operational, and financial proposals. Offers are to be submitted in two (2) separate envelopes and they must be clearly labeled:

- a. Technical and Operational
- b. Price Schedule / Financial Proposal

It shall remain the bidder's responsibility to ensure that the quotation is submitted on or before the 18 Aug 2023 deadline as indicated by CHAI, to the following address:

**Address: Clinton Health Access Initiative,
Bid Document for (IFB # CHAI/ EM/CSP/005/22), Meskel Flower Road
Tel # 011 416 6993-98, Fax: 011 416 6988 and P.O. Box 3297, Code 1250,
Addis Ababa, Ethiopia**

All bid documents submitted after the cut-off date set shall be rejected and returned unopened to bidders.

Bids shall be opened in the presence of the bidders and/or their representatives who choose to attend in person at the Clinton Health Access Initiative office at 2:15 PM on 18 Aug 2023. All bids must be accompanied by a 2% Bid Security of Bank "Casher Payment Order" in Ethiopian Birr, An unconditional Bank Guarantee, or an irrevocable Letter of Credit.

All interested bidders must have renewed license and bidder's registration certificate from Government of Ethiopia - Ministry of Finance and Economic Development.

Issued by:

Approved by:

Name: Dinkineh Bikila

Title: Program manager for Essential Medicine

Date: July 24, 2023

Name: Rahel Belete (PhD)

Title: Country Director, CHAI Ethiopia

Date: July 24, 2023

IFB Terms and Conditions

Distribution of this document does not mean there is any commitment on the part of CHAI to engage an applicant. CHAI will not reimburse or otherwise bear any costs associated with this IFB regardless of whether applicant is selected to implement the project. Please note that no fee is required in submission of these quotes. All IFBs, along with any responses, are considered the property of CHAI and the proposals will not be returned to the originator. ***Bidders must submit a separate technical and financial proposals for the four lots (Lot-1, 2,3 and 4).***

Quotations submitted after the deadline will not be considered. The winning bidder is expected to have substantial capacity to carry out materials supply on time and installation, work as required.

SECTION 2. INSTRUCTION TO BIDDERS

Table 1- INSTRUCTION TO BIDDERS

| GENERAL PROVISION | |
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| Introduction | <p>1.3 Bidders shall adhere to all the requirements of this IFB, including any amendments made in writing by CHAI.</p> <p>1.4 Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by CHAI. CHAI is under no obligation to award a contract to any Bidder because of this IFB.</p> <p>1.5 CHAI reserves the right to cancel the procurement process at any stage without any liability of any kind for CHAI, upon notice to the bidders or publication of cancellation notice.</p> <p>1.6 As part of the bid, it is desired that the Bidder have a renewed license and bidder's registration certificate from Government of Ethiopia - Ministry of Finance and Economic Development.</p> |
| Fraud & Corruption, Gifts and Hospitality | <p>1.7 CHAI does not tolerate corrupt, fraudulent, collusive, anti- competitive or coercive practices of any kind involving its resources, including grant funds.</p> <p>1.8 CHAI requires all bidders/vendors observe the highest standard of ethics during the procurement process and contract implementation.</p> <p>1.9 Bidders/vendors shall not solicit, offer, give or receive, or promise or represent to offer, give or receive, fees, gratuities, rebates, gifts, commissions, or other payments, except as disclosed in full to the PPA or the grant recipient, in connection with the procurement process or in contract execution.</p> <p>1.10 In this regard, CHAI:</p> <ol style="list-style-type: none"> a) Shall take strong, immediate action in all circumstances where it determines that there is substantive and credible evidence of corrupt, fraudulent, collusive, anti-competitive or coercive practices in connection with the procurement or performance of the contract in question. b) Reserves the rights to reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question. c) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a contract. <p>1.11 All Bidders must adhere to the Code of Conduct for Suppliers – CHAI and PPA.</p> |
| Eligibility | <p>1.12 A vendor should not be suspended, debarred, or otherwise identified as ineligible by Global Fund, any UN Organization or the World Bank Group or any other major international financing institution or organization. Vendors are therefore required to disclose to CHAI whether they are subject to any sanction or temporary suspension imposed by these organizations.</p> |

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| | <p>1.13 It is the Bidder’s responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by CHAI.</p> |
| Conflict of Interests | <p>1.14 Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified.</p> <p>1.15 Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they have interests that could improperly influence their performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such Conflict of Interest may contribute to or constitute a prohibited practice under this Code of Conduct for Suppliers.</p> <p>1.16 Bidders will not apply or seek to apply undue influence on the decision-making processes and will not engage in any conduct that breaches or facilitates the breach of the CHAI’s Policy on Conflicts of Interest.</p> <p>1.17 In the event of any uncertainty in the interpretation of a potential conflict of interest, Bidders must disclose to CHAI, and seek confirmation on whether or not such conflict exists.</p> <p>1.18 Similarly, the Bidders must disclose in their Bid their knowledge of the following:</p> <ul style="list-style-type: none"> a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of CHAI staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this ITB; and b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices. <p>1.19 Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure.</p> <p>1.20 The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this ITB, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p> |
| PREPARATION OF BIDS | |
| General Considerations | <p>1.21 In preparing the Bid, the Bidder is expected to examine the IFB in detail. Material deficiencies in providing the information requested in the IFB may result in rejection of the Bid.</p> |

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| | 1.22 | The Bidder will not be permitted to take advantage of any errors or omissions in the IFB. Should such errors or omissions be discovered, the Bidder must notify CHAI accordingly. |
| Cost of Preparation of Bid | 1.23 | The Bidder shall bear all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid is selected or not. CHAI shall not be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process. |
| Language | 1.24 | The Bid, as well as all related correspondence exchanged by the Bidder and CHAI, shall be written in English; the language (s) specified in the Bid Data Sheet (BDS). |
| Documents Comprising the Bid | 1.25 | <p>The Bid shall comprise of the following documents and related forms which details are provided in the BDS:</p> <ul style="list-style-type: none"> a) Mandatory Documents Establishing the Eligibility and Qualifications of the Bidder. <ul style="list-style-type: none"> ➤ VAT registration certificate issued by the tax Authority. ➤ A valid tax clearance certificate issued by the tax authority (domestic Bidders only); ➤ Business organization registration certificate or trade license issued by the country of establishment. ➤ Relevant professional practice (At least 2 years and 2sites) certificates, as appropriate ➤ Ethiopian food and Drug Authority (EFDA) certificate, if it need be b) Technical Bid (including operational aspects); c) Price Schedule/Financial Proposal. d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid. |
| Documents Establishing the Eligibility and Qualifications of the Bidder | 1.26 | The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the Forms provided under Section 6 and providing documents required in those forms. In order to award a contract to a Bidder, its qualifications must be documented to CHAI's satisfaction. |
| Technical Bid Format and Content | 1.27 | The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB. |
| | 1.28 | <p>The Bid offers shall meet the following:</p> <ul style="list-style-type: none"> a) Technical and Operational Requirements – These include Technical and performance criteria, Warranty, Service Level Agreement as well as Training Package. b) Quality Requirements (including regulatory and standards and proof thereof). |

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| | <p>1.29 A detailed checklist of all technical specifications is to be completed clearly for each part. Please see Annex A for detailed specifications required for items, and ancillary devices (Accessories) in a template required to be used for submission.</p> <p>1.30 If the proposed offer, in whole or in part, does not comply exactly with the technical specifications and descriptions provided herein, the nearest functional equivalent or closest standard should be offered as an alternative and clearly indicated with a justification of equivalence.</p> <p>1.31 When applicable and required as per Section 5, the Bidder shall describe the necessary training Program available for the maintenance and operation of the equipment offered as well as the cost to the CHAI. Unless otherwise specified, such training as well as training materials shall be provided in the language of the Bid as specified in the BDS. For sustainability bidder submit the operational and maintenance training Videos in English.</p> <p>1.32 When applicable and required as per Section 5, the Bidder shall certify the availability of spare parts for a period of at least five (5) years from date of warranty expiry, or as otherwise specified in this IFB.</p> <p>1.33</p> |
| <p>Price Schedule / Financial Proposal</p> | <p>1.34 Interested parties are asked to submit, under separate cover, a detailed price schedule/financial proposal for procurement and delivery.</p> <p>1.35 Value for money will be a key criterion in selection and the final budget will be agreed with the successful party.</p> <p>1.36 The Price Schedule/Financial Proposal shall be prepared using the Form provided in Section 6 of the IFB and taking into consideration the requirements in the IFB.</p> <p>1.37 The bidder should cost in Dollars (USD) for the following:</p> <ul style="list-style-type: none"> • Materials as (as per costing template) • Shipping, inland transportation to the facility and other costs including installation and commissioning will be as per DDP INCOTERMS 2020 • Loading and unloading and other related expenses • Labor costs (including installation, commissioning, Verification, and training) <p>a) After sales SLA:¹</p> <ul style="list-style-type: none"> • Spares, itemized, costed per unit and total (as per costing template) after warranty period • Consumables for service, labor costs associated with repair and maintenance within the warranty period • Shipping and inland transportation of the required items/consumables used for plant and other devices service in the warranty period to the facility and other costs as per DDP INCOTERMS 2020 <p>b) Vendor details:</p> |

¹ Please complete the unit price and required spare parts (any necessary but missed from the list) to be supplied after warranty period.

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| | <ul style="list-style-type: none"> • Corporate details as per template in FORM B <p>1.38 The rates quoted shall remain valid for a period until PO is signed with winner supplier.</p> <p>1.39 Any requirement described in the Technical Bid but not priced in the Price Schedule/Financial Proposal, shall be assumed to be included in the prices of other activities or items, as well as in the final total price.</p> <p><i>Note: Only the bidders who pass the Preliminary Examination /prescreening can be a candidate for the technical evaluation.</i></p> <p>Only when technical specifications have been met and terms of after sales have been deemed acceptable, the financial proposal will be considered.</p> |
| Bid Security | <p>1.40 Unless otherwise specified in the bid document, the Bidder shall furnish as part of its bid, a bid security in original form and in the amount and currency specified in the bid document. All bids must be accompanied by a 2% Bid Security of Bank “Casher Payment Order” in Ethiopian Birr.</p> <p>1.41 The bid security shall be, at the Bidder’s option, in any of the following forms:</p> <ol style="list-style-type: none"> a) An unconditional Bank Guarantee. b) An irrevocable Letter of Credit. <p>1.42 Cash, check certified by a reputable bank or financial institution, or payable order. The Bid Security shall be valid for a minimum of twenty-eight (28) days beyond the end of validity period of the Bid. This shall also apply if the period for bid validity is extended.</p> <p>1.43 CHAI reserves the right to accept or reject any or all bids if:</p> <ol style="list-style-type: none"> a) The Bid Security is not included along with the Bid or is not found in the Bid as per indicated the IFB. <p>The Bid Security amount or its validity period is found to be less than what is required.</p> <p>Note:</p> <ol style="list-style-type: none"> a) The bank guarantee from a banking institution recognized by the purchaser located in any eligible country. Securities issued by foreign banks or financial institutions shall be counter-guaranteed by an Ethiopian bank. b) Unconditional bank guarantee should be submitted in its original form; copies will not be accepted. c) Bid security shall be issued in the name of Clinton Health Access Initiative (CHAI). <p>1.44 The Bid Security may be forfeited, and the Bid rejected, in the event of any, or combination, of the following conditions:</p> <ol style="list-style-type: none"> a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or; b) In the event the successful Bidder fails: <ul style="list-style-type: none"> • to sign the Contract after being issued an award; or |

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| | <ul style="list-style-type: none"> to furnish the Performance Security, insurances, or other documents that may be required as a condition precedent to the effectivity of the contract that may be awarded to the Bidder. |
| Currencies | <p>1.45 All prices shall be quoted in USD; the currency indicated in the BDS. Where Bids are quoted in different currencies, CHAI will not convert the currency quoted in the Bid into the preferred currency.</p> <p>1.46 If the Bidder wishes to be paid in a combination of amounts in different currencies like ETB and USD, the bidder should indicate the percentage with list of specific goods and services, but this should be noted that the amount to be paid will be based on the national bank of Ethiopia exchange rate of USD on the date.</p> <p>1.47 The payment currency for local agents for installation, after sales services and maintenance will be changed to local currency by referring to the current national Bank rate of that specific date of request.</p> |
| Joint Venture, Consortium or Association | <p>1.48 If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that:</p> <p>a) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and</p> <p>b) if they are awarded the contract, the contract shall be entered into, by and between CHAI and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture.</p> <p>1.49 After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of CHAI.</p> <p>1.50 The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid.</p> <p>1.51 The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of the IFB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by CHAI.</p> <p>1.52 A JV, Consortium or Association in presenting its track record and experience should clearly differentiate between:</p> <p>a) Those that were undertaken together by the JV, Consortium or Association; and</p> <p>b) Those that were undertaken by the individual entities of the JV, Consortium or Association.</p> <p>1.53 Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the JV, Consortium or Association or those of its</p> |

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| | <p>members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials</p> <p>1.54 JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.</p> |
| Only One Bid | <p>1.55 The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture.</p> <p>1.56 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this IFB; or d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this IFB process; e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this IFB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid. |
| Bid Validity Period | <p>1.57 Bids shall remain valid for the period of 90 days (specified in the bid document) after the bid submission deadline prescribed by CHAI. A Bid valid for a shorter period may be rejected and rendered non-responsive.</p> <p>1.58 During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.</p> |
| Extension of Bid Validity Period | <p>1.59 In exceptional circumstances, prior to expiry of the bid validity period, CHAI may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing via email.</p> <p>1.60 Bidders who are not willing to extend their bid validity period for whatever reason shall be disqualified from the bid without having forfeited their bid security.</p> <p>1.61 Bidders agreeing to the CHAI's request for extension of their bid validity period have to express in writing their agreement to such request and for how long they are willing to extend the period. Similarly, they have to amend the validity period of their bid security on the basis of the extension of the bid validity period they have agreed to or furnish new bid security to cover the extended period.</p> <p>1.62 A bidder not agreeing to extend the validity period of his/its bid security shall be treated as a bidder refusing the CHAI's request for extension of bid validity period, and as such, shall be disqualified from further bid proceeding.</p> |

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| IFB-related Questions or Clarifications (from the Bidders) | <p>1.63 Bidders may request clarifications on any of the IFB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing and directed to the email address EthiopiaProcurement@clintonhealthaccess.org until 15 December 2022. If inquiries are sent other than specified channel, CHAI shall have no obligation to respond or confirm that the query was officially received.</p> <p>1.64 All questions will be collected into one document and all answers provided will be circulated to all parties who submitted for clarification, as well as be posted on any platform hosting the IFB.</p> <p>1.65 CHAI shall attempt to provide responses to clarifications in a speedy manner, but any delay in such response shall not cause an obligation on the part of CHAI to extend the submission date of the Bids, unless CHAI deems that such an extension is justified and necessary.</p> |
| Amendment of Bids | <p>1.66 At any time prior to the deadline of Bid submission, CHAI may for any reason, such as in response to a clarification requested by a Bidder, modify the IFB in the form of an amendment to the IFB. Amendments will be made available to all prospective bidders.</p> <p>1.67 If the amendment is substantial, CHAI may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.</p> |
| Alternative Bids | <p>1.68 Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the IFB requirements. Where the conditions for its acceptance are met, or justifications are clearly established, CHAI reserves the right to award a contract based on an alternative Bid.</p> <p>1.69 If multiple/alternative bids are being submitted, they must be clearly marked as “Main Bid” and “Alternative Bid”</p> |
| Pre-Bid Conference | <p>1.70 If it deems to be appropriate, CHAI may hold a Pre-Bid conference for prospective bidders for clarification and discussion on the Bidding Document or modification thereto.</p> <p>1.71 CHAI shall give notice via email to all bidders to attend the Pre-Bid Conference, Notice will include time, date, and address where Pre-Bid Conference will be held.</p> <p>1.72 CHAI shall welcome all prospective bidders to attend this Pre-Bid Conference. However, non-attendance by the Bidder, however, shall not result in disqualification of a prospective Bidder.</p> <p>1.73 To give all prospective bidders the opportunity to participate in the pre-bid conference, prospective bidders are limited to sending two representatives to this conference. All the costs of attending this conference will be borne by the prospective bidders.</p> <p>1.74 CHAI invites all prospective bidders to submit their questions / request for clarification by time and date and to the address indicated in Bid Document.</p> |

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| | <p>1.75 Minutes will be captured for Pre-Bid Conference and shall be shared to all prospective to enable them to prepare their bid documents by incorporating the content of clarification or modification.</p> |
| SUBMISSION AND OPENING OF BIDS | |
| Submission | <p>1.76 As per the specifications indicated herein, interested, and eligible bidders can do hard copy (manual) submission by courier or hand delivery of documents to the address below before 2.00 PM, 27th December 2023.</p> <p>1.77 The bidder should submit one original and one copy of the documents, and they should be clearly marked “Original”, and copies marked “Copy” as appropriate.</p> <p>1.78 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder.</p> <p>1.79 This authorization shall consist of a written statement by a power of attorney (or notary statement, etc.) proving that the person, who signed the bid on behalf of the company/joint venture/consortium is duly authorized to do so and it shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid shall be signed or initialled by the person signing the bid.</p> <p>1.80 All copies shall be made from the signed original only. If there are discrepancies between the original and the copies, the original shall prevail.</p> <p>1.81 Bidders should submit Technical and Operational, as well as financial proposals. The Technical and Operational Bid as well as the Financial Proposal must be sealed and submitted in separate envelopes, which shall:</p> <ul style="list-style-type: none"> a) Bear the name of the Bidder. b) Be addressed to CHAI; and c) Bear a warning not to open before the time and date for Bid opening. <p>1.82 If the envelope with the Bid Documents is not sealed and marked as required, CHAI shall assume no responsibility for the misplacement, loss, or premature opening of the Bid.</p> <p>1.83 Additional separate cost for Company certified training with cost-effective approach like a Training of Trainers (TOT) can be submitted on top of the Technical and Operational Bid and Financial Proposal.</p> <p>1.84 CHAI may, by permission of the MOH, employ electronic method to send requests for quotation and receive quotations provided that the following conditions are satisfied. If the method employed by CHAI has a safety mechanism of ensuring that information sent and or received through that electronic communication method cannot be accessed by any person other than the person to whom/which the information is sent before the time such information will be made public. Electronic submission through email, if allowed, shall be governed as follows:</p> <ul style="list-style-type: none"> a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in bid document. |

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| | <p>b) Documents which are required to be in original form (e.g. Bid Security, etc.) must be sent via courier or hand delivered as per the instructions.</p> <p>1.85 Availability of stock and delivery time must be stated clearly.</p> <p>1.86 Late bids will be rejected and returned unopened to bidders.</p> <p>1.87 Bids must be delivered to the address below:</p> <p style="text-align: center;">Clinton Health Access Initiative, Bid Document for (IFB # CHAI/ EM/CSP/005/22), Meskel Flower Road Tel # 011 416 6993-98, Fax: 011 416 6988 and P.O. Box 3297, Code 1250, Addis Ababa, Ethiopia</p> <p>1.88 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder fully accepts the General Contract Terms and Conditions.</p> |
| Deadline for Submission of Bids and Late Bids | <p>1.89 Complete Bids must be received by CHAI in the manner, and no later than 2.00 PM 18 Aug 2023, specified in the BDS. CHAI shall only recognise the actual date and time that the bid was received by CHAI.</p> <p>1.90 CHAI shall not consider any Bid that is received after the deadline for the submission of Bids.</p> |
| Withdrawal, Substitution, and Modification of Bids | <p>1.91 A Bidder may withdraw, substitute or modify its Bid after it has been submitted at any time prior to the deadline for submission.</p> <p>1.92 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by sending a written notice to CHAI, duly signed by an authorized representative, and shall include a copy of the authorization. The corresponding substitution or modification of the Bid, if any, must accompany the respective written notice. All notices must be submitted in the same manner as specified for submission of Bids, by clearly marking them as “WITHDRAWAL” “SUBSTITUTION,” or “MODIFICATION”.</p> <p>1.93 Bids requested to be withdrawn shall be returned unopened to the Bidders (only for manual submissions), except if the bid is withdrawn after the bid has been opened.</p> |
| Bid Opening | <p>1.94 Bids will be opened in the presence of the bidders and/or their representatives who choose to attend in person at the Clinton Health Access Initiative office at 2:15 PM on 18 Aug 2023.</p> <p>1.95 The Bidders’ names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as CHAI may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submissions, in which case, the Bid shall be returned unopened to the Bidders.</p> |
| PROCEDURES FOR BID EVALUATION | |
| Confidentiality | <p>1.96 Information relating to the examination, evaluation, and comparison of Bids, and the recommendation of contract award, shall not be disclosed to Bidders or any</p> |

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| | <p>other persons not officially concerned with such process, even after publication of the contract award.</p> <p>1.97 Any effort by a Bidder or anyone on behalf of the Bidder to influence CHAI in the examination, evaluation and comparison of the Bids or contract award decisions may, at CHAI's decision, result in the rejection of its Bid and may subsequently be subject to the application of prevailing MOH's or PPA's supplier's sanctions procedures.</p> |
| Bid Evaluation | <p>1.98 Evaluation will be conducted solely on the basis of the Bids received.</p> <p>1.99 Evaluation of Bids shall be undertaken in the following steps and weighting:</p> <ul style="list-style-type: none"> a) Preliminary Examination including Eligibility. b) Qualification assessment (if pre-qualification was not done) c) Evaluation of Technical Bids (including operational aspects) – 70% d) Evaluation of Price Schedule / Financial Proposal – 30% <p>1.100 Financial offers will only be opened and evaluated if critical criteria of technical and operational offers have been met.</p> <p>Note: Only those vendors who provide complete documentation to satisfy the technical and operational aspects of the offer will be considered for financial evaluation.</p> |
| Preliminary Examination | <p>1.101 CHAI shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. CHAI reserves the right to reject any Bid at this stage</p> |
| Evaluation of Eligibility and Qualification | <p>1.102 Bidding will be conducted through the National Competitive Bidding (NCB) procedures and is open to all bidders.</p> <p>1.103 Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria).</p> <p>1.104 To be eligible, suppliers must comply with the Code of Conduct for Suppliers (https://www.theglobalfund.org/media/3275/corporate_codeofconductforsuppliers_policy_en.pdf) and the Sanctions Panel Procedures (https://www.theglobalfund.org/media/6015/corporate_sanctionsprocedures_policy_en.pdf)</p> <p>1.105 In general terms, suppliers that meet the following criteria may be considered qualified:</p> <ul style="list-style-type: none"> a) They have not directly or indirectly, including through an agent or other intermediary, breached the Supplier Code, including, but not limited to, corrupt, fraudulent, collusive, anti-competitive or coercive practices in competing for, or performing under, MOH's-financed contract; b) They have not engaged in misconduct which results in the imposition of sanctions by any partner organization, any comparable institution for conduct that would constitute a breach of the Supplier Code or any other unethical or unlawful behaviour; |

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| | <ul style="list-style-type: none"> c) They have not engaged in misconduct which results in an investigation, proceedings or findings, either civil, criminal or administrative, or the imposition of sanctions, by another national or international authority for conduct that would constitute a breach of the Supplier Code; d) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments, e) They have the necessary similar experience, technical expertise, production capacity, quality certifications, quality assurance procedures and other resources applicable to the supply of goods and/or services required. f) They are able to comply fully with CHAI's or PPA General Terms and Conditions of Contract. g) They do not have a consistent history of court/arbitral award decisions against the Bidder; and h) They have a record of timely and satisfactory performance with their clients. |
| Evaluation of Technical Bid and Price Schedule/Financial Proposal | <p>1.106 The evaluation team shall review and evaluate the Technical Bids on the basis of their responsiveness to the Schedule of Requirements as well as Technical & Operational Specifications and other documentation provided, applying the procedure indicated in the BDS and other IFB documents.</p> <p>1.107 When deemed appropriate, CHAI will invite the short-listed competent suppliers with technically responsive bids for a presentation on their Technical Bids and Financial Proposals which could help for sound decision in the selection process of competent competitors. The conditions for the presentation shall be provided in the bid document where required.</p> |
| Due diligence | <p>1.108 CHAI reserves the right to undertake a due diligence exercise, aimed at determining to its satisfaction, the validity of the information provided by the Bidder. Such exercise shall be fully documented and may include, but need not be limited to, all or any combination of the following:</p> <ul style="list-style-type: none"> a) Verification of accuracy, correctness and authenticity of information provided by the Bidder; b) Validation of extent of compliance to the IFB requirements and evaluation criteria based on what has so far been found by the evaluation team; c) Inquiry and reference checking with Government entities with jurisdiction on the Bidder, or with previous clients, or any other entity that may have done business with the Bidder; d) Inquiry and reference checking with previous clients on the performance on ongoing or completed contracts, including physical inspections of previous works, as deemed necessary; e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder; f) Other means that CHAI may deem appropriate, at any stage within the selection process, prior to awarding the contract. |
| Clarification of Bids | <p>1.109 To assist in the examination, evaluation and comparison of Bids, CHAI may, at its discretion, request any Bidder for a clarification of its Bid.</p> <p>1.110 CHAI's request for clarification and the response shall be in writing and no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to</p> |

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| | <p>provide clarification, and confirm the correction of any arithmetic errors discovered by CHAI in the evaluation of the Bids, in accordance with the IFB.</p> <p>1.111 Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by CHAI, shall not be considered during the review and evaluation of the Bids.</p> |
| Responsiveness of Bid | <p>1.112 CHAI's determination of a Bid's responsiveness will be based on the contents of the bid itself. A substantially responsive Bid is one that conforms to all the terms, conditions, specifications and other requirements of the IFB without material deviation, reservation, or omission.</p> <p>1.113 If a bid is not substantially responsive, it shall be rejected by CHAI and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.</p> |
| Nonconformities, Repairable Errors and Omissions | <p>1.114 Provided that a Bid is substantially responsive, CHAI may waive any non-conformities or omissions in the Bid that, in the opinion of CHAI, do not constitute a material deviation.</p> <p>1.115 CHAI may request the Bidder to submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.</p> <p>1.116 For the bids that have passed the preliminary examination and technical evaluation, CHAI shall check and correct arithmetical errors as follows:</p> <ul style="list-style-type: none"> a) if there is a discrepancy between the unit price and the line-item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line-item total shall be corrected, unless in the opinion of CHAI there is an obvious misplacement of the decimal point in the unit price; in which case, the line-item total as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail. <p>1.117 If the Bidder does not accept the correction of errors made by CHAI, its Bid shall be rejected.</p> |
| AWARD OF CONTRACT | |
| Right to Accept, Reject, Any or All Bids | <p>1.118 CHAI reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.</p> |

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| Award Criteria | <p>1.119 Submitted quotes will be reviewed and evaluated by the review committee based on criteria outlined for all components for the items. The offers shall meet:</p> <p>a) Technical and operational requirements:</p> <ul style="list-style-type: none"> • Technical and performance criteria • Warranty if required • Service level agreement if required if required. • Training package if required if required. <p>b) Quality requirements (including regulatory and standards and proof thereof)</p> <p>1.120 Prior to expiration of the period of Bid validity, CHAI shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification and has offered the lowest price.</p> |
| Debriefing | <p>1.121 In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from CHAI. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder’s submission, in order to assist the Bidder in improving its future Bids for CHAI procurement opportunities. The content of other Bids and how they compare to the Bidder’s submission shall not be discussed.</p> |
| Right to Vary Quantities at the Time of Award | <p>1.122 At the time of award of Contract, CHAI reserves the right to increase or decrease the quantity of goods and/or scope of related services, by up to a maximum twenty percent (20%) of the total offer, without any change in the unit price or other terms and conditions.</p> |
| Contract Signature | <p>1.123 Promptly after notification of the proposed contract award, CHAI shall send the successful Bidder the Contract.</p> <p>1.124 Within fifteen (15) days of receipt of the notification of award, the successful Bidder shall sign, date, and return it to CHAI the Contract</p> <p>1.125 Where the successful bidder cannot or is unwilling to sign a contract or submit the Performance Security, CHAI may either declare the bidder submitting the second lowest evaluated bid the successful bidder or invite such bidder to sign a contract or advertise the bid afresh by assessing the benefit of the two options.</p> <p>1.126 CHAI shall not sign a contract before seven (7) working days from the date bidders are notified of the result of their bid or of any complaint against the bid proceeding.</p> |
| Contract Type and General Terms and Conditions | <p>1.127 The purchase order and after sales service are the two expected contract agreements to be signed off.</p> |
| Performance Security | <p>1.128 Within fifteen (15) days from signing the contract, the successful Bidder shall furnish the performance security. Failure of the successful Bidder to submit Performance Security or sign the Contract shall constitute sufficient grounds for annulment of the award and forfeiture of the bid security.</p> |

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| | 1.129 Where a performance security is deemed necessary, the receipt of the performance security by CHAI shall be a condition for rendering the contract effective. |
| Bank Guarantee for Advanced Payment | 1.130 In case an advance payment is allowed as per the BDS, an equivalent of 30% of the total contract price will be permitted. The Bidder shall submit a Bank Guarantee of the equivalent amount to Advance Payment once the bid is awarded prior to any advance payment. |
| Liquidated Damages | <p>1.131 CHAI shall apply Liquidated Damages for the damages and/or risks caused to CHAI resulting from the Contractor’s delays or breach of its obligations as per Contract.</p> <p>1.132 CHAI may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages with a penalty of 0.5% of the value of undelivered item for each day of delay. However, the cumulative penalty to be paid by the supplier shall not be 15% of the contract price within a maximum tolerable time of 30 days.</p> <p>1.133 If the delay in performing the contract affects its activities, CHAI may terminate the contract by giving advance notice to the Supplier pursuant without any obligation to wait until the penalty reaches 15% of the value of the Contract.</p> |
| Bidders’ Complaint Lodging Procedure | 1.134 CHAI follows an open-door policy for management of any compliant lodging procedure in which the aggrieved supplier/bidder can lodge his/her complaint directly to office of Country Director or Deputy Country Director. There are standby committees in which members from different programs along with the principal benefit of this project/MOH, are available to review the issues for timely solution. |

SECTION 3. BID DATA SHEET (BDS)

The following data for the goods and/or services to be procured shall complement, supplement, or amend the provisions in the Invitation to Bid In the case of a conflict between the Instructions to Bidders, the Bid Data Sheet, and other annexes or references attached to the Bid Data Sheet, the provisions in the Bid Data Sheet shall prevail.

Table 2-BID DATA SHEET

| BDS No. | Ref. to Section n.2 | Data | Specific Instructions / Requirements |
|---------|---------------------|--|--|
| 1 | 7 | Language of the Bid | English |
| 2 | | Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids) | Allowed [Award will be on lot-by-lot basis] |
| 3 | 20 | Alternative Bids | Shall not be considered |
| 4 | 21 | Pre-Bid conference | Will not be conducted |
| 5 | 16 | Bid Validity Period | 90 days after the bid submission deadline prescribed by CHAI. |
| 6 | 12 | Bid Security | <p>Required in the amount equal to 2% Bid Security of Bank “Certified Payment Order” in Ethiopian Birr. The bid security shall be, at the Bidder’s option, in any of the following forms:</p> <ol style="list-style-type: none"> An unconditional Bank Guarantee. An irrevocable Letter of Credit. Cash, check certified by a reputable bank or financial institution, or payable order. <p>NB:</p> <ol style="list-style-type: none"> The bank guarantee from a banking institution recognized by the purchaser located in any eligible country shall be counter guaranteed by any local Banks. Unconditional bank guarantee should be submitted in its original form; copies will not be accepted. Bid security shall be issued in the name of Clinton Health Access Initiative |
| 7 | 42 | Advanced Payment upon signing of contract | Allowed up to an equivalent of 30% of total contract value |

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| 8 | 43 | Liquidated Damages | Will be imposed as follows: a. A penalty of 0.5% of the value of an undelivered item for each day of delay until actual delivery or performance; but the cumulative penalty to be paid by the supplier shall not exceed 15% of the contract price. b. Max. number of days of delay 30, after which CHAI may terminate the contract. c. If the delay in performing the contract affects its activities, CHAI may terminate the contract by giving advance notice to the Supplier pursuant without any obligation to wait until the penalty reaches 15% of the value of the Contract or 30 days' time. |
| 9 | 41 | Performance Security | Required in the amount of 10% of the Contract Price |
| 10 | 13 | Currency of Bid | United States Dollar (USD) |
| 11 | 18 | IFB-related Questions or Clarifications (from the Bidders) | Before 10 Aug 2023 |
| 12 | 18 | Contact Details for submitting IFB-related Questions or Clarifications (from the Bidders) | E-mail address: EthiopiaProcurement@clintonhealthaccess.org |
| 13 | 18, 19 and 21 | Manner of Disseminating Supplemental Information to the IFB and responses/clarifications to queries | Direct communication to prospective bidders by email and Posting on any platform hosting the IFB |
| 14 | 23 | Deadline for Submission | 18 Aug 2023, at 2:00PM |
| 14 | 22 | Allowable Manner of Submitting Bids | Delivery of Hard Copies |
| 15 | 22 | Bid Submission Address | Clinton Health Access Initiative, Bid Document for (IFB # CHAI/ EM/CSP/001/22), Meskel Flower Road Tel # 011 416 6993-98, Fax: 011 416 6988 and P.O. Box 3297, Code 1250, Addis Ababa, Ethiopia |
| 16 | 22 | Electronic submission (email) requirements | <ul style="list-style-type: none"> ▪ Format: PDF files only ▪ All files must be free of viruses and not corrupted. ▪ Mandatory subject of email: Bid Document for IFB # CHAI/ EM/CSP/005/22 |

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| | | | <ul style="list-style-type: none"> ▪ Documents required in original (e.g. Bid Security) should be sent to the below address: Clinton Health Access Initiative, Bid Document for (IFB # CHAI/ EM/CSP/005/22), Meskel Flower Road Tel # 011 416 6993-98, Fax: 011 416 6988 and P.O. Box 3297, Code 1250, Addis Ababa, Ethiopia |
| 17 | 25 | Date, time and venue for the opening of bid | Date: 18 Aug , 2023 Time: 2:15 PM Venue: Clinton Health Access Initiative Office |
| 18 | 27, 36 | Evaluation Method for the Award of Contract | Lowest priced technically responsive, eligible and qualified bid. |
| 19 | | Expected date for commencement of Contract | Within 10 days after notification of award |
| 20 | | Maximum expected duration of contract | 45 days after signing of the contract, the supplier is expected to supply the materials |
| 21 | 36 | CHAI will award the contract to: | One or more Bidders, depending on the following factors: <ul style="list-style-type: none"> ▪ Lowest priced technically responsive, eligible and qualified bid per lot. ▪ Delivery period |
| 22 | 40 | Type of Contract | Purchase Order and After Sales Service |
| 23 | | Other Information Related to the IFB | <i>Please note that this invitation is for the procurement and delivery, of the Bio-medical Maintenance Workshop materials and related services.</i> ✓ |

SECTION 4. EVALUATION CRITERIA

PRELIMINARY EXAMINATION CRITERIA

Bids will be examined to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and submitted in accordance with IFB requirements as per below criteria on a Yes/No basis:

- a) Renewed Ethiopian Ministry of Trade and license registration certificate in related field of work mainly in medical supplies license.;
- VAT registration certificate issued by the tax Authority.
- A valid tax clearance certificate issued by the tax authority (domestic Bidders only);
- Business organization registration certificate or trade license issued by the country of establishment.
- FDRE public Procurement & Property Administration Agency License Renewed
- EFDA (Ethiopian Food and Drug Authority) registration & License certificate (Optional since all items are not medical device)

Technical BID – use template in **Annex A** and **FORM E**

- Comprising/meeting all Technical and performance criteria, operational criteria, and quality requirements.
 - Details provided on specific configurations offered.
- b) Proof of quality including Stringent Regulatory Authority (SRA) approval (e.g., CE certification under MDR) and all requisite standards.
 - c) Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List
 - d) Documentation of personnel training/qualifications, which may include:
 - Certifications of personnel
 - CV of lead system design engineer
 - QMS for company carrying out design and installation (either ISO 9001 or ISO 13485 with scope clearly defined) or detailed relevant work history.
 - – Simplifying Compressed Air Filter Selection
 - e) Minimum Bid documents provided
 - f) Warranty for device and warranty on labor, where applicable
 - g) Proof of approval from local Regulatory Authorities in Ethiopia, where available, and applicable and import permits.
 - h) Standard Operating Procedure for product recall, where applicable
 - i) Price Schedule/Financial Proposal – use template in **FORM F**
 - j) Bid Security submitted as per IFB requirements with compliant validity period
 - k) CHAI may determine bid as not responsive when:
 - Bidder has failed to submit Written statement by a power of attorney (or notary statement, etc.) proving that the person, who signed the bid on behalf of the company/joint venture/consortium, is duly authorized to do so .

- Original and all copies of the bid are not typed or written in indelible ink and signed by a person duly authorized to sign on behalf of the Bidder.
- All pages of the bid, except for non-amended printed descriptive literature, are not signed or initialed by the person signing the bid.
- Bid is not written in language specified in the IFB.
- Bidder has failed to submit signed and dated Bid Submission Sheet Form;
- Bidder has failed to submit signed and dated Price Schedule Form.
- Bidder has failed to submit signed and dated Bidder Certification of Compliance Form;
- Bidder has failed to submit signed and dated Technical Specification + Technical Offer+ Compliance Sheet Form;
- Bidder has failed to submit signed and dated Delivery and Completion Schedule;
- Bidder has failed to submit signed and dated Bid Security;
- The Bid Security is not in accordance with IFB .

Minimum Eligibility and Qualification Criteria

Eligibility and Qualification will, be evaluated on a Pass/Fail basis.

If the Bid is submitted as a Joint Venture/Consortium/Association, each member should meet the minimum criteria, unless otherwise specified.

Table 3- Minimum Eligibility and Qualification Criteria

| SUBJECT | CRITERIA | DOCUMENT SUBMISSION REQUIREMENT |
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| ELIGIBILITY | | |
| Legal Status | Vendor is a legally registered entity. | Form B: Bidder Information Form |
| Eligibility | Vendor is not suspended, nor debarred, nor otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization in accordance with IFB clause 3. | Form A: Bid Submission Form |
| Conflict of Interest | No conflicts of interest in accordance with IFB clause 4. | Form A: Bid Submission Form |
| Bankruptcy | Has not declared bankruptcy, is not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against the vendor that could impair its operations in the foreseeable future. | Form A: Bid Submission Form |
| Certificates and Licenses | <ul style="list-style-type: none"> ▪ Duly authorized to act as Agent on behalf of the Manufacturer, or Power of Attorney, if bidder is not a manufacturer. ▪ Official appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country. | Form B: Vendor/Bidder Details Form |

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| | <ul style="list-style-type: none"> ▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder. ▪ Renewed Ethiopian Ministry of Trade and license registration certificate in related field of work mainly in medical supplies import ▪ Renewed EFDA (Ethiopian Food and Drug Authority) registration & License certificate ▪ FDRE public Procurement & Property Administration Agency License ▪ Tax registration and Clearance certificate | |
| Other details | <ul style="list-style-type: none"> ▪ Conformity to the minimum quality standards indicated as part the IFB documents | |
| QUALIFICATION | | |
| History of Non-Performing Contracts² | Non-performance of a contract did not occur as a result of contractor default for the last 3 years. | Form D: Qualification Form |
| Litigation History | No consistent history of court/arbitral award decisions against the Bidder for the last 3 years. | Form D: Qualification Form |
| Previous Experience | Minimum 2 years of relevant experience | Form D: Qualification Form |
| | Minimum 2 contracts of similar value, nature and complexity have been implemented over the last 2 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i> | Form D: Qualification Form |
| Financial Strength | Minimum cumulative sales turnover of USD (insert figure) for the last 3 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i> | Form D: Qualification Form |
| | Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i> | Form D: Qualification Form |
| Technical Evaluation | The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document. | Form E: Technical Bid Form |
| Financial Evaluation | Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the shipping and inland transportation of the required items/consumables used for plant and other devices service | Form F: Price Schedule/Financial Proposal Form |

² Non-performance, shall include all contracts where (a) non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non-performance must be based Tron all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

| | | |
|--------------------------------|--|--|
| | in the warranty period to the facility and other costs as per DDP INCOTERMS 2020. The total cost of ownership (including spare parts, consumption, installation, commissioning, training, special packaging, etc., where applicable) will be incorporated in price comparison. | |
| Additional requirements | Current Ethiopian Standards Agency (ESA) certification, will be an added advantage | |

SECTION 5A: SUPPLY, INSTALLATION, COMMISSIONING SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS/BILL OF QUANTITIES

The table below shows a summarized version of the Technical Specifications. The Detailed Technical Specifications are as shown in the attached Annexes. **Table 4: Summary of the Technical Specifications**

Table 4-DESIGN, SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS/BILL OF QUANTITIES

| CAPACITY | The quantity and detail technical specifications |
|---|--|
| Biomedical Maintenance Workshop Calibration and Analyzers | As per table 5 |
| Electrical & Electronics Workshop hand tools and test equipment | |
| Mechanical Workshop hand tools and machineries | |
| ICT equipment | |

ANNEX A: SPECIFICATIONS FOR BIO-MEDICAL MAINTIANANCE WORKSHOP EQUIPMENTS ³

Table 5-Specifications and per-unit Bill of Quantity

Lot One

1.1 Biomedical Maintenance Workshop Calibration and Analyzers List

| No | Items | Qty |
|----|--|-----|
| 1. | Electrosurgical Unit Analyzer | 1 |
| 2. | Electrical Safety Analyzer | 1 |
| 3. | Defibrillator analyzer | 1 |
| 4. | Patient monitor Simulator | 1 |
| 5. | Gas Flow Analyzer and Ventilator tester | 1 |
| 6. | Oxygen Analyzer | 1 |
| 7. | Neonatal Incubator Analyzer | 1 |
| 8. | Dosimeter/X-ray calibration and Quality Assurance/ Kit | 1 |
| 9. | Blood Pressure Meter Calibration KIT | 1 |

³ The bidder is expected to complete the unit and total price based on the hospital specific required items and quantity for Lot-1.

| | | |
|-----|-------------------------|---|
| 10. | Phototherapy Radiometer | 1 |
|-----|-------------------------|---|

1.2 Biomedical Maintenance Workshop Calibration and Analyzers technical specification

| No | Equipment Description and specification | Quantity |
|----|--|----------|
| 1 | <p>Electrosurgical Unit Analyzer</p> <p>Description</p> <p>The ESU analyzer is used for biomedical professionals to measure the output and high frequency leakage, allows for verification tests on the return electrode contact quality monitors.</p> <p>Specification</p> <p>Test parameters: Power, HF Current and Test load(Resistance) Leakage current measurement: 30mA to 2500mA: Accuracy: \pm 2.5 % of reading Frequency range: 1kHz to 10 MHz Load resistance: Variable: 0 Ohm, 10 Ohm,20 Ohm, 25 Ohm to 2500 Ohm and 2500 Ohm to 5200 Ohm Filter:100 Hz low frequency filter Power output measurement: 1W to 400W: Accuracy: \pm 5 % of reading Test load section: 15 within the range of 50 Ohms -750Ohm with accuracy of 4% Input capacitance: Active to dispersive 30pF, Active or dispersive to earth ground 40pF Connector type: Generator output –active, dispersive, ground and axillary HF leakage load and side input connection- Designation: signal reference Operating temperature: 10 °C to 32°C Display: LCD display Alphanumeric Format: At least 8 lines x 40 characters Graphic Mode: 240 x 64 pixel matrix Display Control: 5 F-keys, enter, cancel, control knob, and an encoder. Data Input/Outputs: Parallel printer port and bidirectional RS232 and USB device ports Power requirement: 230 VAC/50 Hz, Humidity: Up to 85% non-condensing Test recorded capacity: Up to 5000</p> | 1 |

| No | Equipment Description and specification | Quantity |
|----|---|----------|
| | Housing: Metal case or high impact plastic Certification: The product Should have IEC601 2-2, 1289-2/ISO or equivalent quality certification Should be supplied with all accessories. Warranty: Two-year warranty Documentation: Users and service manual in English Language should be included with calibration certificates and SOP. <i>NB: Price quotation includes users training for three Biomedical Engineers</i> | |
| 2 | Electrical Safety Analyzer | 1 |
| | <p>Descriptions</p> <p>Electrical Safety Analyzer brings fast and simple automated testing in the form of a portable analyzer for biomedical and clinical engineering professionals that perform electrical safety testing on medical equipment both in the field and in facilities.</p> <p>Technical Specification</p> <p>Leakage current: AC + DC, AC only, DC only</p> <p>Mode of operation: Auto, Manual, ECG, Respiration simulation</p> <p>Measurements: Earth resistance, leakage, ECG, respiration, DTU (Equipment under test) current,</p> <p>Voltage Range (mains voltage): Single phase (220 Vac ± 10, 50Hz) and three phase (380Vac ± 10,50Hz) and Accuracy: ± 2 %</p> <p>Leakage tests: ground wire, chassis, lead to ground or to patient, lead to ground, lead to lead, lead to isolation, direct equipment, direct applied part, alternative equipment, alternative applied part and point to point.</p> <p>Insulation resistance test: range, source test voltage, insulation resistance test,</p> <p>Earth Resistance</p> <p>Test current: > 200 mA ac</p> <p>Ranges: 0 Ω to 2 Ω</p> <p>Accuracy: ± 1 %</p> <p>Equipment Current:</p> | |

| No | Equipment Description and specification | Quantity |
|----|--|----------|
| | <p>Range: 0 A to 20 A</p> <p>Accuracy: ± 5 %</p> <p>Leakage Current:</p> <p>Ranges: 0 µA to 5000 µA</p> <p>ECG performance: Ranges: 30 BPM to 250BPM and Accuracy: ± 1BPM</p> <p>Respiration: Ranges: 0-100RR and Accuracy: ± 1RR</p> <p>Housing: Metal case or high impact plastic</p> <p>Should supplied with all necessary accessories.</p> <p>Operating temperature: 10 °C to 32 °C, Operating humidity 10 % to 85 % non-condensing</p> <p>Certification: The product Should have IEC62353-60601-1/ANSI/AAMI ES-1/ISO or equivalent quality certification.</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP.</p> <p>Certification: <i>The product Should have FDA/CE/ISO or equivalent quality certification</i></p> <p>Warranty: <i>One year warranty</i></p> <p>Documentation: <i>Users and service manual in English Language should be included</i></p> <p>NB: Price quotation includes users and Maintenance training for three Biomedical Engineers</p> | |
| 3 | Defibrillator analyzers | 1 |
| | <p>Description</p> <p>Defibrillator Analyzer / Pacemaker Tester tests all defibrillators including AEDs. It measures both monophasic and bi-phasic waveforms. It tests all external pacemakers including Transthoracic, Transvenous, and AV sequential models for inspection and quality control purpose for biomedical technicians and engineer in the hospital.</p> <p>Specification</p> | |

| No | Equipment Description and specification | Quantity |
|----|---|----------|
| | <p>The analyzer measures synchronous and Asynchronous mode test with ECG waves, sensitivity and refractory period test.</p> <p>Energy output measurement: 0J to 600J \pm 1%, load resistance: 50 Ohm \pm 1%,</p> <p>Current: 2- 250mA with accuracy \pm 1%</p> <p>Pulse rate: 5 to 800 PPM \pm 0.5%</p> <p>Input pacer pulse rate: 30 to 200 PPM,</p> <p>Mode of operation: Manual and remote/auto</p> <p>Current: 1 to 25 mA, Accuracy: \pm 5% + 0.5 mA</p> <p>Pulse Rate: 30 to 800 ppm, Accuracy: \pm 1% + 0.1 ms</p> <p>Refractory: \pm 20 - 500 ms</p> <p>Sensitivity test interactive threshold detection: 30 to 100 PPM</p> <p>Accuracy: \pm 2% or 10 ms</p> <p>Immunity Test: 50 Hz</p> <p>Display: LCD display</p> <p>Communications: USB device port for computer control</p> <p>Temperature: +10 0c to +320c and Humidity: less than 85% non-condensing</p> <p>Power: Internal rechargeable battery</p> <p>Battery Charger: 220 Vac input with adapter</p> <p>Should supplied with all accessories kit</p> <p>Housing: Metal case or high impact plastic</p> <p>Certification: The product Should have IEC61010-1 /ISO or equivalent quality certification.</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP.</p> <p>Certification: <i>The product Should have FDA/CE/ISO or equivalent quality certification</i></p> <p>NB: <i>Price quotation includes users and Maintenance training for three Biomedical Engineers</i></p> | |
| 4 | Patient Monitor Simulator | 1 |
| | <p>Description</p> <p>Multifunction patient simulator used as ECG simulator, fetal simulator, arrhythmia simulator, respiration simulator,</p> | |

| No | Equipment Description and specification | Quantity |
|----|---|----------|
| | <p>temperature simulator, IBP simulator, cardiac output simulator, cardiac catheterization simulator, NIBP simulator, SpO2 tester biomedical technicians and engineers to check the performance of the vital sign monitoring equipment in the health facility.</p> <p>Specifications</p> <p>Types of tests: ECG (Including Fatal and arrhythmia), respiration, temperature, IBP, NIPB, cardiac output, SpO2 and rainbow multi wavelength wave form.</p> <p>Operating Temperature: 10°C to 32 °C</p> <p>Operating Maximum Humidity: 80 % relative humidity up to 31 °C, decreasing linearly to 50 % relative humidity at 45°C.</p> <p>Altitude: Up to 2500m</p> <p>Power: Rechargeable battery</p> <p>Battery Charger: with 240 V input, 15 V/2.0 A output.</p> <p>ECG performance test:</p> <p>Amplitude: 0.05mV to 0.5mV</p> <p>Pulse wave: 30BPM, 60BPM</p> <p>Wave type: Square wave(0.125Hz- 2Hz), Triangular wave(0.125Hz- 2Hz), Sine wave(0.05Hz to 150Hz)</p> <p>Performance testing in ECG: QRS detection, T-wave rejection and R-wave detection.</p> <p>Lead selection: All ECG leads (LL,LA,RA,RL, V1,V2,V3,V4,V5,V6)</p> <p>Pressure variabilities: Systolic and diastolic pressure are independently variable in 1 mmHg</p> <p>Respiratory Rate: 0 to 150 BrPM</p> <p>Apnea selection: 12 sec to 32 sec or continuous.</p> <p>Measuring temperature: 30°C - 42°C with ± 1 % accuracy</p> <p>Cardiac Output: 2.5 , 5, 10 LPM ± 7.5% accuracy</p> <p>NIBP test range: 80-300mmHg</p> <p>SpO2 test range: HR 30BPM to 300BPM in one BPM steps synchronized with ECG.</p> <p>Interface: RS232 bi-directional interface/ USB</p> <p>Should supplied with all accessories.</p> <p>Housing: Metal case or high impact plastic</p> <p>Certification: The product Should have IEC61010-1 /CE/CSA or equivalent quality certification. Electromagnetic Compatibility (EMC): IEC or Equivalent</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP</p> | |

| No | Equipment Description and specification | Quantity |
|----|--|----------|
| | <i>NB: Price quotation includes users and Maintenance training for three Biomedical Engineers</i> | |
| 5 | <p>Gas Flow Analyzer and Ventilator tester</p> <p>Description</p> <p>Gas flow analyzers and ventilator testers are used by biomedical professional to test gas flow and respiratory medical equipment, including Ventilators and Anesthesia machine to measure Volume, pressure and flow.</p> <p>Specifications</p> <p>Measures of breath parameters: Inspiratory tidal volume, Expiratory tidal volume, Minute volume, breath rate, I:E,PIP, Inspiratory pause pressure, mean airway pressure, PEEP, Lung compliance, inspiration time , inspiration hold time, expiration time, expiration hold time, peak inspiration time and peak expiration time.</p> <p>Gas corrections: ATP (ambient temp/pressure, actual humidity), ATPD (ambient temp/pressure, dry) Nitrogen (N2), ATPS (ambient temp/pressure, saturated), STP or STPD21 (21 °C temp/pressure 760 mmHg, dry), BTPS (body temp 37 °C/ambient pressure 760 mmHg, saturated) and BTPD (body temp 37 °C/ambient pressure 760 mmHg, dry)</p> <p>Types of tests:</p> <p>Flow range: 0 to ±200 slpm (Standard litter per minute) , ±2% accuracy</p> <p>Volume range: ±100 l , ±2% accuracy</p> <p>High pressure range: -0.8 to 10 bar, ±2% accuracy</p> <p>Differential low-pressure range: ±160 mbar, ±0.5 % accuracy</p> <p>Airway pressure range: ±160 mbar, ±0.5 % accuracy</p> <p>Barometric pressure range: 550 to 1240 mbar ±1 % accuracy</p> <p>Temperature measurement range: 0 to 50 °C</p> <p>Humidity measurement range: ±3 % RH (20 to 80 % RH)</p> <p>Oxygen: 0 to 100 %, ±3 % accuracy</p> <p>Operating Temperature: 10°C to 32 °C</p> <p>Operating Maximum Humidity: 80 % relative humidity up to 31 °C, decreasing linearly to 50 % relative humidity at 45°C.</p> <p>Altitude: Up to 3000m</p> <p>Power supply: 240 V input, with rechargeable battery</p> | |

| No | Equipment Description and specification | Quantity |
|----------|--|----------|
| | <p>Interface: RS232 bi-directional interface/ USB</p> <p>Should supplied with all accessories.</p> <p>Housing: Metal case or high impact plastic</p> <p>Certification: The product Should have IEC /CE/CSA or equivalent quality certification.</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP.</p> | |
| 6 | Oxygen Analyzer | 1 |
| | <p>Description</p> <p>Oxygen analyzer which is used by biomedical technicians and engineers for conformation of purity/percent levels of oxygen concentration, flow in the oxygen device (oxygen concentrator, Cylinder and plant).</p> <p>Specifications</p> <p>Measurement: oxygen purity, flow rate, outlet pressure Measured concentration range: 20.0% to 100% Measured flow range: between 0-15LPM, Accuracy: ±2%</p> <p>Pressure range : 0.1-21 psi</p> <p>Display: LCD screen</p> <p>Resolution: 0.1% of output</p> <p>Response Time: ≤10S</p> <p>Power Supply: 220Vac, 50Hz input and rechargeable battery with adopter</p> <p>Sound Level: 30 to 80 dB</p> <p>Sensor: Calibratable oxygen sensor</p> <p>Certification: The product Should have FDA/CE/ISO or equivalent quality certification</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP.</p> | |
| 7 | Neonatal Incubator Analyzer | 1 |
| | <p>Description</p> <p>Incubator analyzer which is used by biomedical technicians and engineers for conformation of incubator and radiant warmer sound levels and thermal characteristics, simultaneously measures</p> | |

| No | Equipment Description and specification | Quantity |
|----|--|----------|
| | <p>airflow, relative humidity, sound, and four independent temperatures for maximum safe operation of infant incubator.</p> <p>Specifications Display: not less than 2 x 16 super twist LCD Resolution: 1470 measurement points (210 records of seven parameters) Power supply: 240 V input, with rechargeable battery</p> <p>Sound Level : 30 to 80 dBA ,Accuracy: ± 5 dB(A), Display resolution: 0.1 dB(A) Should have at least four temperatures sensors Should be measure of mattress Convection (inside the incubator): - Three Sensors (T1, T3, T4) Convection (inside or outside the incubator): - One sensor (T2) Radiation: - One sensor for radiation head that can be used also for external temperature Temperature: reading value ± 0.5 °C ± 1 LSB for the range from 25 °C to 40 °C Airflow: from 0.1 m/s to 2 m/s reading ± 0.1 m/s at temperature 25 °C to 40 °C and humidity 50 % RH ± 5 % RH, Display Resolution: 0.01 m/sec Operating and Storage temperature:10 °C to 40 °C, Humidity: 10 % to Up to 85 % non-condensing, Altitude: 2500 m Weight with sensors 1.5 kg to 3kg (3 lb) Communication: USB port and RS-232 cable recommended (sourced separately) Certification: The product Should have FDA/CE/ISO/ IEC 61326-1, IEC 60601-2-19, IEC 60601-2-20, IEC 60601-2-21 or equivalent quality certification Accessories and spare parts: Should supplied with all accessories, Software, and spare parts. Warranty: <i>One year warranty</i> Documentation: <i>Users and service manual in English Language should be included</i> NB: Price quotation includes users and Maintenance training for three Biomedical Engineers</p> | |
| 8 | Dosimeter/X-ray calibration and Quality Assurance/ Kit | 1 |
| | <p>Description</p> <p>The Dosimeter is used to measure the X-ray machine exposed x-ray output for calibration and monitoring purpose for biomedical</p> | |

| No | Equipment Description and specification | Quantity |
|----|---|----------|
| | <p>technicians, engineers, and inspectors for quality assurance. The meter with a built-in detector for easy setup, portable enable to display output easily on a digital display.</p> <p>Specifications Dosimeter:-</p> <p>kVp measuring range: 45 to 180 kV</p> <p>kVp Accuracy: 2% 1 kV</p> <p>Exposure time accuracy: Minimum exposure time is 1 millisecond. Set delay to 0 ms for short x-ray time measurement.</p> <p>MINIMUM EXPOSURE TIME</p> <p>kVp Measurement</p> <p>10 millisecond - 5 ms Delay</p> <p>32 millisecond - Default 20 ms Delay</p> <p>When Exposure Time Measurement Only 2 milliseconds</p> <p>MINIMUM CURRENT (mA)</p> <p>7 mA at 50 kV, 10 cm from x-ray source</p> <p>5 mA at 50 kV</p> <p>Measurement resolution: 0.2 ms</p> <p>RANGE: 200 mA Full Scale</p> <p>0.1 mA Resolution (mA or mAs)</p> <p>10 Ohms Input Impedance</p> <p>2A Full Scale</p> <p>1 mA Resolution (mA or mAs)</p> <p>1 Ohm Input Impedance</p> | |

| No | Equipment Description and specification | Quantity |
|----------|--|-----------------|
| | <p>Meter automatically selects range.</p> <p>ACCURACY: 2% 1 mA on both ranges and</p> <p>CONNECTION: Via 5-meter cable with two alligator clips</p> <p>Display: LCD display</p> <p>Power Supply: 220Vac, 50Hz with adapter and with rechargeable battery</p> <p>Exposure time accuracy: $\pm 0.1\%$ of reading ± 0.2 ms</p> <p>Dosimeter Kit, includes: should detect chamber, chamber well, chamber window and beta slide</p> <p>Up to 15 cm³ Ion Chamber</p> <p>Up to 150 cm³ Ion Chamber</p> <p>Coax/Triaxial Cable: not less than 20 ft (6 m)</p> <p>Programming Kit should include: customization software on CD and two-meter RS232 interface cable</p> <p>Should have test Stand, Ion Chamber Stem, HVL Filter Tray</p> <p>Wide-range filter pack (50 kVp to 150 kVp)</p> <p>Housing: Metal case or high impact plastic</p> <p>Certification: The product Should have FDA/CE/ ISO/ASTM or equivalent quality certification</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP.</p> <p><i>NB: Price quotation includes users and Maintenance training for three Biomedical Engineers</i></p> | |
| 9 | <i>BLOOD PRESSURE METER CALIBRATION KIT</i> | <i>1</i> |

| No | Equipment Description and specification | Quantity |
|----|---|----------|
| | <p>Description It is an ideal calibrating tool for most Blood pressure instruments, including Welch Allyn and Sphygmanometer Pressure dial gauges. This high-quality pressure calibration kit saves the technician and nurses time when checking and validating the accuracy of the Blood pressure machines. It must be compact and easy to use. The kit comes with Lure lock connectors and tubing. It is designed exclusively for blood pressure gauge calibration checks recommended by most pressure gauge manufacturers.</p> <p>Specifications Measures: Pressure or Vacuum. Accuracy: 0.25% Pressure measurement: Systolic, diastolic and mean pressure Pressure range: up 300 mmHg Display: Large LCD 3 ½ digits Full Scale ± 1 Digit Over Pressure: should be at least two times pressure range. Medium Compatibility: Non-Corrosive fluid and gas Power Supply: 220Vac, 50Hz input and rechargeable battery with adopter Certification: The product Should have FDA/CE/ISO (9001-2015) or equivalent quality certification Warranty: Two-year warranty Documentation: Users and service manual in English Language should be included <i>NB: Price quotation includes users and Maintenance training for three Biomedical Engineers</i></p> | |
| 10 | <p>Phototherapy Radiometers</p> <p>Description Phototherapy Radiometer which is used by biomedical technicians and engineers for the accurate detection and measurement of light radiation in the blue part of the spectrum. As an irradiance meter, it measures the output power of phototherapy units.</p> <p>Specifications Measures: irradiance, spectrum range(wavelength) Spectral range: 429 - 490 nm (max. 97% response at 490 nm) Measurement range: 0-199.99 µW/cm Resolution: 1 µW/cm Probe: Lens matches the cosine receiving function of human skin</p> | |


| No | Equipment Description and specification | Quantity |
|----|--|----------|
| | <p>Power: 220Vac, 50Hz input and rechargeable battery with adopter</p> <p>Display: LCD screen</p> <p>Certification: The product Should have FDA/IEC 60601-2-19/CE/ISO or equivalent quality certification</p> <p>Warranty: Two-year warranty</p> <p>Documentation: Users and service manual in English Language should be included with calibration certificates and SOP.</p> | |

Lot Two



2.1 ELECTRICAL & ELECTRONICS WORKSHOP HAND TOOLS AND TEST EQUIPMENT LISTS



| No | Items | Quantity |
|-----|-------------------------------------|----------|
| 1. | Electronics and Electrical Tool Kit | 4 |
| 2. | Digital Multi meter | 4 |
| 3. | Phase sequence meter | 1 |
| 4. | Universal IC tester | 1 |
| 5. | Oscilloscope | 1 |
| 6. | Soldering Station | 1 |
| 7. | AC clamp meter | 1 |
| 8. | Magnifier Glass | 4 |
| 9. | Extension Power cable reel | 2 |
| 10. | Electric Air Blower | 2 |


2.2 ELECTRONICS MAINTENANCE WORKSHOP EQUIPMENT TECHNICAL SPECIFICATION


| No | Item | Quantity |
|----|---|---|
| 1 | Electricians Tool Kit | 5 |
| | <p>Electricians Tool Kit Package Contents</p> <ol style="list-style-type: none"> 1. Utility storage box 2. Flat nose pliers 135 mm 3. Bent nose pliers 130 mm 4. Combination pliers 210 mm 5. Side cutting pliers 165 mm 6. Fine tip straight tweezers 7. Spring hook 8. Soldering aid tools (3 pcs.) 9. Disordering pump 10. Drill set w/adaptor 11. Anti-static alignment tool kit (3 pcs.) |  |


| No | Item | Quantity |
|-----------|---|-----------------|
| | <p>12. Diagonal cutting nipper pliers</p> <p>13. Long nose pliers</p> <p>14. Long nose pliers 150 mm</p> <p>15. Adjustable wrench 6"</p> <p>16. Adjustable wrench 8"</p> <p>17. Soldering iron 25 Watt</p> <p>18. Screwdriver 5 mm</p> <p>19. Screwdriver 6 mm</p> <p>20. Screwdriver 3.2x75 mm</p> <p>21. Screwdriver #0x75 mm</p> <p>22. Screwdriver 5.0x75 mm</p> <p>23. Screwdriver #1x75 mm</p> <p>24. Screwdriver 6.0x100 mm</p> <p>25. Screwdriver #2x100 mm</p> <p>26. Screwdriver #2x157 mm</p> <p>27. Disordering wick</p> <p>28. Brush</p> <p>29. Electronic screwdriver set (6 pcs.)</p> <p>30. Socket and screwdriver set (40 pcs.)</p> <p>31. Precision wire stripper</p> <p>32. Crimping tool</p> <p>33. Needle file set (5 pcs.)</p> <p>34. IC extractor</p> <p>35. Mini flash light</p> <p>36. Folding type hex key set (7 pcs.)</p> <p>37. 3 Prong holder</p> <p>38. Curved-claw hammer</p> <p>39. PVC insulated tape</p> <p>40. Solder (63%, SN)</p> <p>41. Heat sink</p> <p>42. Wrist strap</p> <p>43. Measuring tape 3M</p> <p>44. Electronic combination wrench (10 pcs.)</p> <p>45. Inspection mirror</p> <p>46. Slip joint pliers 154 mm</p> <p>47. Aluminum tool case with Pallets</p> | |



| No | Item | Quantity |
|-----------|--|---|
| | <i>N.B All the equipment listed are brand and have ISO or equivalent certification</i> | |
| 2 | Phase sequence meter | 1 |
| | <p>Description Phase sequence meter used for biomedical and electrical/technician /Engineers for teasing, measuring different electricity three phase sequence and motor rotation direction.</p> <p>Specification Measurement parameter: Three phase rotation indication, Motor rotation indication Voltage range: 40 to 7000V Phase display: 120 to 400Vac Frequency range: 50 to 400Hz Operation: Real time or continuous Operation temperature: 100C to 320C Humidity: up to 85% Power Supply : rechargeable battery Certification: The product Should have EN61010, EN6155-7,/CE/ISO or equivalent quality certification Warranty: One year warranty Documentation: Users and service manual in English Language should be included with certificate of calibration.</p> |  |
| 3 | Digital Multimeter | 5 |
| | <p>Description Digital multimeter used for biomedical technician /Engineers for teasing, measuring different electrical parameters. The meter should be equipped with power/ battery saving or auto battery off when the meter is not functioning.</p> <p>Voltage DC Range: 4000 mV to 700V Accuracy: ±0.9%</p> <p>Voltage AC Range: 4000 mV to 600V Accuracy: ±(3%+3)</p> <p>Resistance Range: 100.0 Ω to 50.00 M Ω Accuracy: ±(1.25%+1)</p> |  |

| No | Item | Quantity |
|-----------|---|---|
| | <p>Capacitance Range : 1.000 μF to 10,000 μF Accuracy: $\pm(2\%+2)$ Frequency: 20 Hz to 1 MHz Battery : Alkaline, 650 hours continuous, Safety Complies with IEC 61010-1:2001 or Equivalent,</p> | |
| 4 | AC clamp meter | 1 |
| | <p>Specifications AC current 600 A 0.1 A 2 % \pm 5 digits AC voltage 600 V 0.1 V 1 % \pm 5 digits DC voltage 600 V 0.1 V 1 % \pm 5 digits Resistance 6000 Ω 0.1 Ω 1 % \pm 5 digits Capacitance 10 μF to 1000 μF 1 μF 1.9 % \pm 2 digits Able to have</p> <ul style="list-style-type: none"> • True-rms • Continuity • Hold • Backlight <p>Wire capacity 750 MCM</p> <p>Certification: <i>The product Should have CE/ISO or equivalent quality certification</i></p> <p>Warranty: One year warranty</p> <p>Documentation: <i>Users and service manual in English Language should be included</i></p> |  |
| 5 | Universal IC tester | 1 |
| | <p>Description</p> <p>Universal IC tester is for biomedical engineer or technicians used for testing different ranges of ICs in medical equipment maintenance workshops.</p> <p>Technical Specifications</p> |  |

| No | Item | Quantity |
|-----------|--|---|
| | <ul style="list-style-type: none"> ■ Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's ■ can test Microprocessor 8085, 8086, Z80 ■ It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284 ■ tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others ■ tests Seven segment display of common cathode & common anode type ■ It has Auto search facility of IC's 5 Test by: Truth table/sequence table comparison. ■ ZIF: 40 pin DIP ZIF sockets. ■ Keys: 28 Touch-keys Key pad with numerical & functional keys. 5 Display: 9 Digit Seven Segment Display. ■ Supply Input Voltage: 230V AC. <p>Certification: <i>The product Should have CE/ISO or equivalent quality certification</i></p> <p>Warranty: <i>One year warranty</i></p> <p>Documentation: <i>Users and service manual in English Language should be included</i></p> | |
| 6 | Oscilloscope | 1 |
| | <p>Description</p> <p>Portable and high performance oscilloscope, multimeter and paperless recorder in an easy-to-use test tool, it is the test tool used to tackle just about any troubleshooting task in biomedical equipment Maintenance.</p> <p>Specification</p> <p>Channel: 2 Channel Measuring capacity: not less than 300 MHz Input Coupling: AC or DC, with ground level indicator Input Sensitivity: 2 mV/div to 100 V/div, plus variable attenuation Accuracy: ± 2.1 %</p> <p>Includes:</p> <ul style="list-style-type: none"> ■ Voltage probe set, 10:1, 300 MHz, one set red |  |

| No | Item | Quantity |
|-----------|---|---|
| | <ul style="list-style-type: none"> ▪ Voltage probe set, 10:1, 300 MHz, one set blue ▪ safety-designed test leads set ▪ External battery charger ▪ Hard protective carrying case ▪ Power Supply: 220V/50HZ <p>Certification The product Should have CE/ISO or equivalent quality certification.</p> <p>Warranty One year warranty</p> <p>Documentation Users and service manual in English Language should be included</p> | |
| 7 | Multifunctional Soldering Station | 3 |
| | <p>The station is a dual output unit supplied with soldering and desoldering tools. It should be microprocessor-controlled to allow independent temperature control of both tools. The station will automatically recognize the tool in use and calibrate itself for that tool. The station with a Vacuum for the desoldering tool is generated by an internal venturi driven from an external compressed air source.</p> <p>Soldering Station Technical Specifications Power Input: up to 165 W Temperature Control: Soldering/Desoldering iron continuously 50°C–450°C Compressed Air: Inlet pressure 500 KPA– 600 KPA (58–87 psi) oil-free, dry compressed air Safety Class: 1 (control unit), 3 (soldering tool) Foot switch connector: over adapter as accessories</p> <p>Certification The product Should have CE/ISO or equivalent quality certification</p> <p>Warranty One year warranty</p> |  <p>The image shows a multifunctional soldering station. It consists of a light blue control unit with a digital display and several buttons. To the left of the control unit is a black soldering iron with a yellow tip. To the right is a black desoldering tool with a silver tip. Both tools are connected to the control unit by black cables. The control unit has a vacuum port on top.</p> |

| <i>No</i> | <i>Item</i> | <i>Quantity</i> |
|-----------|---|---|
| | <p>Documentation Users and service manual in English Language should be included</p> | |
| 8 | Magnifier Glass | 5 |
| | <p>Descriptions Convenient Hands Free Magnification for electronics maintenance magnification and identification of small components</p> <p>Technical specification</p> <ul style="list-style-type: none"> • With a 2x LED Desk Lamp Magnifier • With at least 10 x power spot lens • Lens Size: not less than 4" diameter • At least two super-bright LED lights • Magnifier Desk Lamp also has a flexible neck that allows you to position the magnifier where you need it. • The DeskBrite 200 LED Magnifier Desk Lamp plugs into any standard outlet using the included AC adapter <p>Certification The product Should have CE/ISO or equivalent quality certification</p> |  |
| 9 | Extension Power cable reel | 2 |

| No | Item | Quantity |
|-----------|---|---|
| | <p>Descriptions Triple socket outlet 220 V/Hz with self-closing cover providing protection against dust and contamination. Drum made of unbreakable thermoplastic material, a stable zinc coated foot frame that is shock absorbent, and a drum brake to avoid unreeling. With overheating protection by thermal switch.</p> <p>Technical specification</p> <p>Wire size \varnothing 230 - 285 mm, Length: Not less than 25 m Number of out let: not less than 3 socket outlets Voltage: 220V /50Hz Current: not less than 16A</p> <p>Out let type: Type F</p> <p>Certification The product Should have CE/ISO or equivalent quality certification</p> |  |
| 10 | Electric Air Blower | 2 |
| | <p>Description: High velocity & high volume air output ensures blowing out the dusts in inaccessible place like a air conditioner, computer cpu, electric panel, car interior, garden wastes Blow out the dusts after drilling a wall, cutting a metal, polishing a wood or after maintenance Can be used for Home cleaning also where there is dusts in the unreachable areas</p> <p>Features:</p> <p>Dual function blower with blowing and extracting functions Powerful 450 W motor Air flow of 2.5 m³/min for power cleaning performance Ergonomic handle design and good weight of balance to reduce fatigue</p> |  |

| <i>No</i> | <i>Item</i> | <i>Quantity</i> |
|-----------|--|-----------------|
| | <p>Easy-to-change carbon brush allows fast servicing 2-meter power cord for more flexible work Seating provision to rest the blower down in the safe position Dust extraction bag to use it like a vacuum cleaner</p> <p>Technical Specifications: Power: not less than 450 watts No load Speed: Not less than 16000 rpm Air flowrate: 2.5 m³/min Cable length- 2mtr</p> <p>Included accessories: Blow Nozzle Dust Bag</p> <p>Certification The product Should have CE/ISO or equivalent quality certification</p> | |

Lot Three



3.1 MECHANICAL WORKSHOP HAND TOOLS AND MACHINERIES LISTS


| No | Items | Quantity |
|----|--|----------|
| 1 | Mechanics Tool kit | 1 |
| 2 | Arc welding machine | 1 |
| 3 | Grinding Machine table top | 1 |
| 4 | Electrical Hand Drill | 1 |
| 5 | Bench VICE | 1 |
| 6 | Plumbing Tool Set | 1 |
| 7 | Set of brazing tool kit (Oxyacetylene) | 1 |
| 8 | Vacuum pump unit with Manifold Gauge Kit | 1 |
| 9 | Flaring Tools set kit | 1 |
| 10 | Refrigerant gas leak detector | 1 |
| 11 | Riveting Set | 1 |
| 12 | Air Compressor | 1 |
| 13 | Aluminum Wall Extension Ladders | 1 |


3.2 MECHANICAL WORKSHOP HAND TOOLS AND MACHINERIES TECHNICAL SPECIFICATION


| No | Item | Quantity |
|----|---------------------------|----------|
| 1 | <i>Mechanics Tool kit</i> | 5 |


| No | Item | Quantity |
|----|--|--|
| | <p>Description</p> <p><i>This 95-piece set contains all the sockets, wrenches, and pliers needed for small engine and other mechanical and general repairs. Tools are constructed of 45C carbon steel or chrome vanadium steel, heat treated, and chrome plated where appropriate. The tool handles are made of double dipped plastics for a secure and comfortable grip and the tool cases are made of extra heavy-duty materials. Tools meet or exceed critical ISO standards.</i></p> <ul style="list-style-type: none"> • <i>Wire brush</i> • <i>Eight metric hex keys</i> • <i>Ratcheting bit driver</i> • <i>20 1-inch bits</i> • <i>Slotted precision screwdriver</i> • <i>Phillips precision screwdriver</i> • <i>6-inch-long nose pliers</i> • <i>6-inch diagonal pliers</i> • <i>Two 8-inch adjustable wrenches</i> • <i>Eight SAE Hex keys</i> • <i>20 1/4-inch drive sockets</i> • <i>3/8-inch drive ratchet handle</i> • <i>3-inch drive extension bar</i> • <i>3/8-inch drive x 13/16-inch spark plug socket</i> • <i>3/8-inch drive x 5/8-inch spark plug socket</i> • <i>1/4-inch drive ratchet handle</i> • <i>Tire gauge</i> • <i>Twelve 3/8-inch drive sockets</i> • <i>Voltage tester</i> • <i>3/8-inch drive 1/4-inch adapter</i> • <i>Five metric combination wrenches</i> • <i>Five SAE combination wrenches</i> • <i>3/8-inch wire stripper/crimper.</i> <p>Certification: <i>The product Should have /CE/ISO or equivalent certification</i></p> <p>Warranty: <i>6-month warranty</i></p> |  |


| No | Item | Quantity |
|----|---|---|
| 2 | Arc welding machine | 1 |
| | <p>Description</p> <p>Portable Electrical Arc welding machine for hospital medical equipment maintenance workshop and general service maintenance purpose</p> <p>Specifications:</p> <p>Input voltage: 220 volt / 50Hz</p> <p>Current input: 27 amps – 43 amps</p> <p>Current output: 70 amps – 180 amps</p> <p>Voltage output: 20.8 volt – 25.2 volt</p> <p>Welding rods recommended: 1 mm – 3 mm</p> <p>Duty cycle: 20 % @ 180 amps</p> <p>Certification: The product Should have CE/ISO or equivalent quality certification</p> <p>Warranty: One year warranty</p> |  |
| 3 | Grinding Machine Bench Top | 13 |
| | <p>Description</p> <p>Tabletop grinding machine for hospital medical equipment maintenance workshop and general service maintenance purpose</p> <p>Technical Specifications</p> <p>Horsepower: ½ (half) HP</p> <p>No Load Speed: Not less than 2500 rpm</p> <p>Wheel Diameter: Not less than 15cm</p> <p>Spindle Diameter not less than 1.25 cm</p> |  |

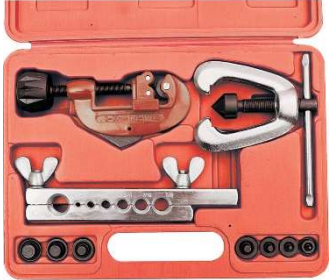

| No | Item | Quantity |
|----|--|---|
| | <p><i>Adjustable Tool Resets Yes</i></p> <p><i>Power Requirements: 230v/50Hz</i></p> <p>Certification: <i>The product Should have CE/ISO or equivalent quality certification.</i></p> <p>Warranty: <i>One year warranty</i></p> | |
| 4 | Electrical Hand Drill | 1 |
| | <p>Description</p> <p><i>Portable hand drill with Copper Armature for hospital medical equipment maintenance workshop and general service maintenance purpose to drill Concrete, steel, wood and have Forward/Reverse with Variable Speed Control..</i></p> <p>Technical Specifications</p> <ul style="list-style-type: none"> • <i>Chuck capacity :: up to 15mm (steel)</i> • <i>Rated Input Power: 300-400-500w.</i> • <i>Variable speeds</i> • <i>Reversible action</i> • <i>No-Load Speed: 0-2800r/min</i> • <i>Rated Voltage: 230v/50 Hz</i> • <i>Complete with one set of drill bits</i> • <i>With all necessary and complete accessories and hard case</i> <p>Certification: <i>The product Should have CE/ISO or equivalent quality certification</i></p> <p>Warranty: <i>One year warranty</i></p> |  |
| 5 | Bench VICE | |

| No | Item | Quantity |
|----|---|---|
| | <p>Description</p> <p>The bench vice is used for biomedical professionals and mechanical engineers to grip material effectively when cutting objects like metal or wood. It can hold the object needed to cut.</p> <p>Specification</p> <p>Material: Jaws stainless steel</p> <p>Jaw Opening range: 12-20cm.</p> <p>Holding pressure: up to 1,500kg</p> <p>Throat Depth: up to 50 mm</p> <p>Max jaw opening: up to 80mm</p> <p>Thread type: Buttruss Thread</p> <p>Should be consists of a cast steel body, a movable jaw, a fixed jaw, both made of cast steel, a handle, a square threaded screw and a nut all made of mild steel.</p> <p>Certification: The product Should have ANSI Standard Testing, ISO / IEC/ or equivalent quality certification</p> <p>Should supplied with all accessories.</p> <p>Warranty: Two-year warranty</p> <p>Documentation: User's manual in English Language should be included.</p> |  |
| 6 | Plumbing Tool Set | 1 |
| | <p>Plumbing Tool Set</p> <p>Description</p> <p>High quality plumbing tool sets for professional usage</p> <p>Technical Specifications</p> | |


| No | Item | Quantity |
|----|--|--|
| | <p><i>1 set includes 6pcs die heads, a pipe cutter, a water pump pliers, a pipe wrench, and a PTFE tape</i></p> <p><i>Sizes: 1/4" - 1 1/4"</i></p> <p>Pipe welder (plastic pipe welding machine)</p> <p>Description: <i>Pipe welder, is suitable for different type of plastic pipe, such as PP-R PB PE PE-X. Its working range is from 20 to 63mm(20,25,32,40,50,63).Each set of the products has a pipe welder, support, six different size moulds, screws, screw driver, and a case(plastic or iron).Within the welder, there is a heating unit, thermostat, and two heating indicators.</i></p> <p><i>Power: 800W</i></p> <p><i>Voltage: 220/230V</i></p> <p><i>Frequency: 50/60HZ</i></p> <p><i>Working Temperature: 0-300°c</i></p> <p><i>Range: Φ20-Φ63mm</i></p> <p><i>Apply To: PP-R PB PE PE-X</i></p> <p>Certification: <i>The product Should have CE/ISO or equivalent quality certification</i></p> <p>Warranty: <i>One year warranty</i></p> <p>Documentation: <i>Users and service manual in English Language should be included</i></p> |  |
| 7 | <p>Set of brazing tool kit (Oxyacetylene)</p> | |
| | <p>Description</p> <p><i>The oxy acetylene torch kit is perfect for Hospital Medical gas and cold chain equipment biomedical engineer and technicians. It is easy to use for your welding work.</i></p> | |

| No | Item | Quantity |
|----------|--|--|
| | <ul style="list-style-type: none"> ▪ <i>Cutting torch set is constructed stainless steel and brass, durable and sturdy, perfect for varied types of portable welding, rivet cutting and metal heating processes. Welding torch set has heavy duty plastic blue cases for easy storage and transport, you can bring it to any sites you want to work.</i> <p>Regulator Gauges</p> <p><i>Professional acetylene and oxygen regulators display clear and accurate pressure data to help you keep output gas pressure and flow constant.</i></p> <p>Welding Cutting Nozzles</p> <p><i>The whole oxygen & acetylene welding kit has 3 welding nozzle and 1 cutting nozzle, you can choose the suitable cutting nozzle according to your need.</i></p> <ul style="list-style-type: none"> ▪ <i>Nozzles: # at least 4,</i> ▪ <i>Hose Length: not less than 3m, Hose</i> ▪ <i>Diameter: up to 8 cm,</i> ▪ <i>Cutting Capacity: up to 23 cm</i> ▪ <i>Welding Capacity: 15 cm,</i> <p><i>Acetylene Pressure</i></p> <ul style="list-style-type: none"> ▪ <i>Range:4-12 PSI, Oxy Range: 8-18 PSI</i> <p>Set consists of:</p> <ul style="list-style-type: none"> ▪ <i>Oxygen gage/regulator</i> ▪ <i>Acetylene gage/regulator</i> ▪ <i>Flashback arrestor</i> ▪ <i>Oxyacetylene hose</i> ▪ <i>Torch</i> |  |
| 8 | Vacuum pump unit with Manifold Gauge Kit | 1 |
| | <p>Description</p> <p><i>These 2 ways copper body R134a refrigerant gauge set, HVAC manifold set is widely used for automotive or household air conditioning units; Refrigerator, air conditioner and industrial</i></p> | |

| No | Item | Quantity |
|----|---|---|
| | <p>refrigeration equipment used for Clinical Cold chain /Refrigerator maintenance used by biomedical Technicians and Engineers</p> <p>Specification</p> <ul style="list-style-type: none"> • 1/2 HP • High Efficiency and Low Noise • 1/4" connection • With Heavy-duty Aluminum Alloy Casing • Direct Drive Motor for Easy Starting and is Maintenance Free • With Monitoring Oil Levels • With Oil Drain and Oil Reservoir • With Internal Volume Cooling Fan For Extended Use • Exhaust Port with Exhaust Cap • With ON/OFF Switch • With transporting Handle <p>Manifold Gauge Kit</p> <ul style="list-style-type: none"> • Professional extruded aluminum block • Silicone dampened gauges • Set of 3 - color coded hose 36" • Professional R134a manual couplers • Re-calibrate-able gauges • Custom molded case <p>Certification: The product Should have CE/ISO or equivalent quality certification</p> <p>Warranty: One year warranty</p> |  |

| No | Item | Quantity |
|----|---|--|
| | Documentation: Users and service manual in English Language should be included | |
| 9 | Flaring Tools set kit | 14 |
| | <p>Refrigeration Flaring Tools set, For inch: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" For metric: 6mm, 8mm, 10mm, 12mm, 16mm, 19mm copper tubing.</p> <p>Certification: The product Should have CE/ISO or equivalent quality certification</p> <p>Warranty: One-year limited warranty</p> |  |
| 10 | Refrigerant gas leak detector | |
| | <p>Description The equipment is used indicate the technicians for a refrigerant leak with a strong and weak alarm pitch sound and flashing LED.</p> <p>Specifications</p> <ul style="list-style-type: none"> • <i>With an automatic background correction function (auto zero-point adjustment).</i> • <i>With LOW battery power indicator. To Aware to replace the battery.</i> • <i>Used For detecting refrigerant leaks in hospital cold rooms and vaccine, blood bank refrigerators, air conditioners, etc.</i> • <i>Detectable gases R-134A, R-404A, R407C, R-410A, R-22, etc. 1234yf.</i> <p>Warranty: 1 year warranty Certifications : CE, or équivalent Compliance : ISO/CE</p> |  |
| 11 | Riveting Set | 1 |

| No | Item | Quantity |
|----|--|---|
| | <p>Description:</p> <p>Rivet with a brushless motor technology, efficient power and speed. The machine has an should have at least a 15kN pulling force and will drive steel mandrels of 6.4mm diameter into base materials ranging from 1.5mm to 10mm thickness. The DRV250R has digital accuracy which delivers fast, controlled tightening speeds for consistent rivets every time, and features a clear viewing window with dedicated LED light to illuminate rivet heads for high precision work in tight spaces.</p> <p>Specifications</p> <p>Pulls rivet diameters of 2.4mm, 3.2mm, 4.0mm, 4.8mm, 6.0mm and 6.4mm*</p> <ul style="list-style-type: none"> • Maximum pulling force of 20kN. • Transparent mandrel container catches mandrels for easy disposal • Rivet retaining mechanism holds the rivet in the nose cone. • Includes rechargeable battery. <p>Top screw has ISO 9001 and 14001 certifications</p> |  |
| 12 | Electric Horizontal Air Compressor | 1 |
| | <p>Description</p> <p>100-liter oil-less compressor equipped with maintenance-free pump used for hospital medical equipment maintenance workshop and general service maintenance purpose to deliver compressed air.</p> <p>Specifications:</p> <p>Maximum pressure: 100Bar</p> <p>Tank size: 100 liters</p> <p>Engine: not less than 1.7 HP</p> |  |


| No | Item | Quantity |
|-----------|---|--|
| | <p>Certification: The product Should have /CE/ISO or equivalent quality certification</p> <p>Warranty: One-year warranty</p> <p>Documentation: Users and service manual in English Language should be included</p> | |
| 13 | Aluminum Wall Extension Ladders | 1 |
| | <p>Description</p> <p>Manufactured from superior quality Aluminum Alloys. solid rubber shoes and caps with safety locks, which ensures safe industrial as well as domestic operations.</p> <p>Height: not less than 2 meter</p> <p>Certification: The product Should have /CE/ISO or equivalent quality certification</p> |  |

Lot Four

4.1 ICT EQUIPMENT LIST

| No | Items | Quantities |
|----|----------------------|------------|
| 22 | Label printer | 1 |
| 23 | Printer with scanner | 1 |
| 24 | Lap top Computer | 1 |
| 25 | Desktop computer | 4 |

4.2 ICT EQUIPMENT TECHNICAL SPECIFICATION

| No | Item | Quantity |
|----|---|--|
| 1 | Label Printer | 1 |
| | <p>Description Label Printer Used for Medical equipment Inventory tagging, labeling of equipment to show the equipment status Level to be printed and stick to the medical Equipment.</p> <p>Specification</p> <ul style="list-style-type: none"> ▪ Prints high-quality, extremely durable laminated thermal transfer labels. ▪ Compatible with Windows OS computers, including Windows 7 ▪ Drop-in tape cartridge ▪ Prints high quality 360dpi text, graphics, and barcodes. ▪ Reliable built-in automatic cutter ▪ Maximum Printing Width: Not less than 1.5 cm ▪ Minimum printing length: Not less than 2.5 cm ▪ Convenient use of your existing computer keyboard for easy input PC USB connectivity (cable included) ▪ Supports all TrueType, Scalable fonts on your PC Bar coding and database printing. <p>Power: 220V/50Hz or AD-24 adapter</p> |  |
| 2 | Laptop Computer | 1 |
| | <p>Specification</p> <p>Processor: Intel Core i5-2430M Processor</p> | |

Processor Speed: 2.4 GHz

Mobile Technology: Intel Core i7

Installed Memory: 4 GB, **Maximum Memory:** 8 GB

Memory Technology: DDR3 SDRAM (1333 MHz)

Cache Size: 6 MB

Storage

Hard Drive Capacity: 500 GB SATA 7200rpm

Included Drives: DVD±RW (±R DL) / DVD-RAM

Hard Drive Type: Portable

Card Reader Type: 5 in 1 card reader

Supported Flash Memory Cards: SD Memory Card, Memory Stick, Memory Stick PRO, Multimedia Card, xD-Picture Card

CD Write Speed: 24 X, CD Rewrite Speed: 10 X

CD Read Speed: 24 X , DVD Read Speed: 8 X

DVD Write Speed: 8x (DVD±R), 4x (DVD±R DL)

Communications and Networking

Network Technology: 10/100/1000 Gigabit Ethernet network interface adaptor, Wireless 1510 (802.11 a/g/n 2x2), Wireless 365 and Bluetooth

Multimedia

1 speaker, Capacitive buttons for media controls, Integrated 1.3 MP Web camera with digital microphone, Webcam Central and Dell Video Chat software

Display and Graphics

Display Size: 15.6 in.

Display Type: TFT active matrix

| | | |
|---|--|----------|
| | <p>Graphics Processor: Intel GMA X3100</p> <p>Resolution: 1366x768 pixels</p> <p>Video Memory Technology: Dynamic Video Memory Technology 4.0</p> <p>Graphics: Intel® HD Graphics 3000</p> <p>Battery</p> <p>Battery Type: 6-cell (60Wh) Lithium-Ion battery with Express Charge</p> <p>Security</p> <p>Included Security Devices:</p> <p>Fingerprint reader</p> <p>Software</p> <p>Operating System: Windows 7 Professional, Other application software installed (Microsoft office 2010, Encarta, Power geez 2010, AutoCAD 2010, Other related application software) and Recovery disk</p> <p>Connectors</p> <p>Interface Provided: VGA, Ethernet</p> <p>General Product Info</p> <p>Input Devices: Keyboard, Touchpad and sound card included.</p> <p>Warranty</p> <p>Warranty : 1 year warranty,</p> | |
| 3 | <p>Multifunctioning Printer with scanner</p> | <i>I</i> |
| | <p>Description: Multi-functional Laser jet printer with scanner</p> <p>Specification</p> | |

| | |
|---|--|
| <p>Print speed: Up to 35 ppm, letter</p> <p>Print resolution: Up to 1200 by 1200 dpi; Resolution Enhancement technology (REt)</p> <p>Processor: 600 MHz</p> <p>Memory: 128 MB</p> <p>Durability ratings: Recommended monthly volume: 750 to 3,000 pages;7 Duty cycle: 50,000 pages8</p> <p>Paper</p> <p>Input: 50-sheet multipurpose tray 1, 250-sheet tray 2</p> <p>Output: 150-sheet output bin</p> <p>Two-sided printing: Automatic</p> <p>Sizes: Multipurpose tray 1: letter, legal, statement, executive, index cards, envelopes; custom: 3 by 5 in to 8.5 by 14 in</p> <p>Trays 2: letter, legal, executive; custom: 4.1 by 5.8 in to 8.5 by 14 in, Automatic two-sided printing unit: letter, legal</p> <p>Automatic two-sided printing unit: 16 to 28 lb</p> <p>Types</p> <p>Paper (bond, light, heavy, plain, recycled, rough), envelopes, labels, cardstock, transparencies, heavy media</p> <p>Connectivity</p> <p>Interfaces: One Hi-Speed USB 2.0 port, built-in Gigabit Ethernet networking</p> <p>Languages and fonts: Automatic language switching; 45 scalable TrueType fonts and 35 PostScript® fonts</p> <p>Client/Network operating systems</p> | |
|---|--|

Microsoft® Windows 2000 (driver only), Windows XP® Home, Windows XP Professional, Windows Server 2003 (driver only), Certified for Windows Vista®;

Power specifications

Required and documentaion :

Printer, **Hi-Speed USB 2.0 port cable**, preinstalled Black Print Cartridge, CD (includes software and User's Guide), power cord, support flyer

Built-in Gigabit Ethernet networking

Scanner

Specifications

Scanner type : Flatbed, ADF

Scan resolution, optical: Up to 4800 dpi

Daily duty cycle: Up to 1000 pages

Bit depth : 48-bit

Levels of grayscale : 256

Automatic document feeder capacity: Standard, 50 sheets

Automatic document feeder speed : Up to 25 ppm (scan to file)/5.5 ipm (duplex)

Transparency adapter: Included

Task speed: 4 x 6-inch photo to Microsoft Word: less than 28 sec; OCR (letter): less than 36 sec; 4 x 6-inch photo to e-mail: less than 31 sec

Scan size, maximum (flatbed): 8.5 x 14 in

Scan size, maximum (ADF) : 8.5 x 14 in

Scan Size Minimum (ADF, imperial): 3.5 x 5 in

| | | |
|---|--|---|
| | <p>Media types</p> <p>Paper (banner, inkjet, photo, plain), 35 mm slides and negatives (using transparent materials adapter), 3-D objects, cards (greeting, index), envelopes, iron-on transfers, labels</p> <p>Scan file format</p> <p>Windows: BMP, JPEG, GIF, TIFF, TIFF compressed, PNG, PCX, Flashpix (FPX), PDF, PDF searchable, RTF, HTM, TXT; Macintosh: TIFF, PICT, JPEG, GIF, FlashPix, Plain Text, PDF, HTML, Rich Text</p> <p>Preview scan speed: Up to 4 sec</p> <p>Operating temperature range : 41 to 104° F</p> <p>Operating humidity: 15 to 80% RH</p> <p>Warranty</p> <p>One-year</p> | |
| 5 | DESKTOP COMPUTER | 5 |
| | <p>SPECIFICATION</p> <p>Processor and Memory</p> <p>Processor: Intel Corei3 2100 / 3.10GHz</p> <p>Processor Speed: 3.10 GHz</p> <p>Installed Memory: 4 GB</p> <p>Expansion slot: 4 Slots, helps to expand up to 8 GB</p> <p>Memory Technology: Dual Channel DDR3 SDRAM at 1333MHz, 2DIMM</p> <p>Cache Size: 4 MB</p> <p>Processor Technology: Intel Corei3</p> | |

| | |
|---|-------------------------|
| Storage | |
| Hard Drive Capacity: 7200RPM | 500 GB SATA |
| Included Drives: DVD-RAM | DVD±RW (±R DL) / |
| CD Write Speed: | 16 X |
| CD Rewrite Speed: | 16 X |
| DVD/CD Read Speed: 16 X | |
| DVD Write Speed: (DVD±R DL) | 16x (DVD±R), 8x |
| Communications and Networking | |
| Network Technology: Intel 82579LM Gigabit 10/100/1000 Ethernet network interface adaptor | |
| Modem Speed: | 56 Kbps |
| Multimedia: 1 speaker External Audio Speakers | |
| Display and Graphics | |
| Display Size: | 18.5" in LCD |
| Display Type: | TFT active matrix |
| Graphics Processor: HD Graphics 2000 | Integrated Video, Intel |
| Resolution: | 1366 x 768 pixels |
| Display Resolution Standard: | WXGA |
| Video Memory Technology: Technology 4.0 | Dynamic Video Memory |
| Software | |
| Operating System: Professional 32-bit English with Original CD, Drivers and | Genuine Windows 7 |


| | | |
|--|--|--|
| | <p>Resource CD; and Other application software installed (Microsoft office 2007, Encarta 2013, Visual geez, Adobe Professional 9.0)</p> <p>Connectors</p> <p>Interface Provided: VGA, Phone line, Ethernet</p> <p>standard i/o Ports: 10 USB 2.0 (4 front, 6 rear), 1 internal, 1 Ethernet (RJ-45), 1 modem (RJ-11), 1 serial, 1 parallel (25-hole, bi-directional), 1 VGA out (15-hole), 1 DVi-i out 28-hole DVi connector, 2 PS/2, 2 Line-in (stereo and microphone), 2 line-out (speakers and Headphone)</p> <p>General Product should be included</p> <p>Input Devices: Optical mouse, Keyboard</p> <p>Included Sound Card: Sound card, With External Audio Speaker</p> | |
|--|--|--|


PART FIVE

5.1 OFFICE FURNITURE LIST

| No | Items | Quantities |
|----|---|------------|
| 1 | <i>Electronics maintenance work bench</i> | 5 |
| 2 | Swivel chair | 5 |

5.2 OFFICE FURNITURE TECHNICAL SPECIFICATIONS

| No | Items | Quantity |
|----|---|--|
| 1 | <i>Electronics maintenance work bench</i> | 5 |
| | <p>Work Bench Specification</p> <p>Description: this work bench is used for biomedical engineers /technicians for medical equipment maintenance work.</p> <ol style="list-style-type: none"> Made of steel design with tubular structure and C sections. 24Mm, 36mm thk. Electrostatic workbench are consist of different functional parts, widely used in workshop of Hospital Single Drawer (150mm H / 100mm H) is available. Back stopper with (10mm X 100 mm H) Standard height of work benches is 850 mm. Finish: Power coating. <p>Usable drawer dimensions: 450mm W x 600mm D</p> <p>Wooden Top: 1500mm W X 800mmMM D X 50mm.</p> |  |

| | | |
|---|---|---|
| | <p>Workbench Size Width : 1500mm Depth : 800mm Height : 850mm</p> <p>9. Cabinet size:</p> <p>Width: 575mm X Depth X 725mm X Height : 800mm</p> <p>Workbench Features:</p> <ul style="list-style-type: none"> • ESD Laminated Table Top • Electricity Plugs Rail • Bin Hanging Arrangement • Top Shelf • Display Board • Illumination Lighting • ESD Common Ground Point | |
| 2 | Swivel chair | 6 |
| | <p>Description</p> <p>High and angle adjustable, forward, and backward adjustable</p> <p>Technical Specification</p> <p>Style: Medium back chair</p> <p>Back: PU, high adjustable</p> <p>Seat: PU with slider</p> <p>Mechanism: Multifunctional</p> <p>Base: Aluminum chrome</p> <p>Caster: Nylon</p> <p>Size of chair: not less than D67*W63.5*H113cm</p> |  |

| | | |
|--|--|---|
| | | |
| | | <ul style="list-style-type: none">▪▪ |

SECTION 5B: OTHER RELATED REQUIREMENTS

Further to the Schedule of Requirements in the preceding Table, Bidders are requested to take note of the following additional requirements, conditions, and related services pertaining to the fulfillment of the requirements: *[check the condition that applies to this IFB, delete the entire row if condition is not applicable to the goods being procured]*

Table 7 -OTHER RELATED REQUIREMENTS

| | |
|--|--|
| Delivery Term [INCOTERMS 2020] ⁴ | DDP |
| Exact Address of Delivery/Installation Location | |
| Mode of Transport Preferred | Choose an item. |
| Preferred Freight Forwarder, if any⁵ | |
| Customs, if required, clearing shall be done by: | |
| Payment Terms | |
| Conditions for Release of Payment | <input type="checkbox"/> Inspection upon arrival at destination <input type="checkbox"/> Written Acceptance of Goods based on full compliance with ITB requirements |
| All documentations, including catalogues, instructions and operating manuals, shall be in this language | English |

⁴ Bidders should Provide a Packing List with items, weights and dimensions per pallet (as applicable) as well as a Detailed Packing List with aggregate quantities per item, weights and dimensions as well as shipping conditions applicable to the items (i.e. temperature control, special instructions around loading, or hazardous goods declarations) and all batch numbers and quantities. Supplier is required to comply with packaging and shipping instructions related to the INCOTERM.

⁵ A factor of the Incoterms stipulated in the IFB. The use of CHAI preferred freight forwarder may be considered for purposes of ensuring forwarder's familiarity with procedures and processing of documentary requirements applicable when clearing with customs authority of the country of destination.

SECTION 6: RETURNABLE BIDDING FORMS / CHECKLIST

This form serves as a checklist for preparation of your Bid. Please complete the Returnable Bidding Forms in accordance with the instructions in the forms and return them as part of your Bid submission. No alteration to format of forms shall be permitted and no substitution shall be accepted.

Before submitting your Bid, please ensure compliance with the Bid Submission instructions of the BDS.

Technical Bid

Table 8 -RETURNABLE BIDDING FORMS / CHECKLIST

| | |
|--|--------------------------|
| Have you duly completed all the Returnable Bidding Forms? | |
| ▪ Form A: Bid Submission Form | <input type="checkbox"/> |
| ▪ Form B: Vendor/Bidder Details Form | <input type="checkbox"/> |
| ▪ Form C: Joint Venture/Consortium/ Association Information Form | <input type="checkbox"/> |
| ▪ Form D: Qualification Form | <input type="checkbox"/> |
| ▪ Form E: Format of Technical Bid/Bill of Quantities | <input type="checkbox"/> |
| ▪ Form G: Form of Bid Security | |
| ▪ [Add other forms as necessary] | <input type="checkbox"/> |
| Have you provided the required documents to establish compliance with the evaluation criteria in Section 4? | <input type="checkbox"/> |

Price Schedule/Financial Proposal

| | |
|--|--------------------------|
| ▪ Form F: Price Schedule/Financial Proposal Form | <input type="checkbox"/> |
|--|--------------------------|

FORM A: BID SUBMISSION FORM

Table 9- BID SUBMISSION FORM

| | | | |
|------------------------|-------------------------------|--------------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| IFB reference: | [Insert IFB Reference Number] | | |

We, the undersigned, offer to supply the goods and related services required for [Insert Title of goods and services] in accordance with your Invitation to Bid No. [Insert IFB Reference Number] and our Bid. We hereby submit our Bid, which includes this Technical Bid and Price Schedule.

Our attached Price Schedule is for the sum of [Insert amount in words and figures and indicate currency].

We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium /Association members or subcontractors or suppliers for any part of the contract:

- a) is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists.
- b) have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization.
- c) have no conflict of interest in accordance with Instruction to Bidders Clause 4;
- d) do not employ, or anticipate employing, any person(s) who is, or has been a UN staff member within the last year, if said UN staff member has or had prior professional dealings with our firm in his/her capacity as UN staff member within the last three years of service with the UN (in accordance with UN post-employment restrictions published in ST/SGB/2006/15);
- e) have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future;
- f) undertake not to engage in proscribed practices, including but not limited to corruption, fraud, coercion, collusion, obstruction, or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we embrace the principles of the United Nations Supplier Code of Conduct and adhere to the principles of the United Nations Global Compact.

We declare that all the information and statements made in this Bid are true and we accept that any misinterpretation or misrepresentation contained in this Bid may lead to our disqualification and/or sanctioning by the CHAI.

We offer to supply the goods and related services in conformity with the Bidding documents, including the PPA General Conditions of Contract and in accordance with the Schedule of Requirements and Technical Specifications.

Our Bid shall be valid and remain binding upon us for the period specified in the Bid Data Sheet.

We understand and recognize that you are not bound to accept any Bid you receive.

I, the undersigned, certify that I am duly authorized by [Insert Name of Bidder] to sign this Bid and bind it should CHAI accept this Bid.

Name: _____

Title: _____

Date: _____

Signature: _____ [Stamp with official stamp of the Bidder]

FORM B: VENDOR/BIDDER DETAILS FORM

Table 10- BID SUBMISSION FORM

| | |
|---|---|
| Registered Company Name | [Complete] |
| Company Registration Number | [insert vendor number] |
| Year of registration | [Complete] |
| Area of Business (<i>Mark "x" your area of business engagement in the box</i>) | <input type="checkbox"/> Manufacturer <input type="checkbox"/> Distributor <input type="checkbox"/> Other: [insert Area of business] |
| Local address (HQ) | [Complete] |
| Phone | Telephone number: [Complete] |
| Contact person that CHAI may contact for requests for clarifications during Bid evaluation | Name and Position: [Complete] Telephone numbers: [Complete] Email: [Complete] |
| Bidder's Authorized Representative Information | Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete] |
| Years in Business | [Complete] |
| Quality Assurance Certification (e.g., ISO 9000 or Equivalent) (<i>If yes, provide a Copy of the valid Certificate</i>): | [Complete] |
| Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (<i>If yes, provide a Copy of the valid Certificate</i>): | [Complete] |
| Countries of Operation: <i>Previous export experience to target countries (please describe and list any relevant registrations, qualifications, licenses, attaching copies of each to IFB)</i> | [Complete] |
| No. of trained and certified employees for plant installation (<i>Plant installation is to be completed by trained and certified employee/contractors</i>) | [Complete] |
| Client Portfolio | [complete] |

| | |
|---|---|
| Tax Identification Number | <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, [insert tax identification number] |
| Local Agent formally Registered in Ethiopia | <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, Name and Position: [Complete] Telephone numbers: [Complete] Email: [Complete] |
| Bid Security 2%, in Ethiopian Birr⁶ | [complete] |
| Please attach the following documents: | <ul style="list-style-type: none"> ▪ Company Profile, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods and/or services being procured ▪ Business Registration ▪ Tax Registration evidencing that the Bidder is updated with its tax payment obligations ▪ Trade name registration papers, if applicable ▪ Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards, and citations received by the Bidder, if any ▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder ▪ Certification or authorization to act as Agent on behalf of the Manufacturer, or Power of Attorney. ▪ CVs of the technical staffs ▪ Years of Experience and witnesses from of the client on piping works ▪ Renewed Ethiopian Ministry of Trade and license registration certificate in related field of work mainly in medical device import license ▪ Renewed EFDA (Ethiopian Food and Drug Authority) registration & License certificate ▪ FDRE public Procurement & Property Administration Agency License ▪ Tax registration and Clearance certificate Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country |

⁶ Birr is accepted only for CPO

FORM C: JOINT VENTURE/CONSORTIUM/ASSOCIATION INFORMATION FORM

Table 11-JOINT VENTURE/CONSORTIUM/ASSOCIATION INFORMATION FORM

| | | | |
|------------------------|--|--------------|-------------|
| Name of Bidder: | [Insert Registered Company Name of Bidder] | Date: | Select date |
| IFB reference: | [Insert IFB Reference Number] | | |

To be completed and returned with your Bid if the Bid is submitted as a Joint Venture/Consortium/Association.

| No | Name of Partner and contact information (<i>address, telephone numbers, fax numbers, e-mail address</i>) | Proposed proportion of responsibilities (in %) and type of goods and/or services to be performed |
|-----------|---|---|
| 1 | Name of Partner: [Complete] Address: [Complete] Telephone numbers: [Complete] Fax numbers: [Complete] Email: [Complete] | [Complete] |
| 2 | Name of Partner: [Complete] Address: [Complete] Telephone numbers: [Complete] Fax numbers: [Complete] Email: [Complete] | [Complete] |
| 3 | Name of Partner: [Complete] Address: [Complete] Telephone numbers: [Complete] Fax numbers: [Complete] Email: [Complete] | [Complete] |

| | |
|--|---|
| Name of Leading Partner (with authority to bind the JV, Consortium, Association during the IFB process and, in the event a Contract is awarded, during contract execution) | [Complete] |
| Nature of Partnership | [Complete] |
| Company Registration Number | [Complete Company Registration Number] |
| Contact Person | Name and Position: [Complete] Telephone numbers: [Complete] Email: [Complete] |
| Years in Business | [Complete] |
| Quality Assurance Certification (e.g., ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate): | [Complete] |
| Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate): | [Complete] |
| Countries of Operation: Previous export experience to target countries (please describe and list any relevant registrations, qualifications, licenses, attaching copies of each to ITB) | [Complete] |
| No. of trained and certified employees for plant installation (Plant installation is to be completed by trained and certified employee/contractors) | [Complete] |
| Client Portfolio | [complete] |

We have attached a copy of the below referenced document signed by every partner, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture:

Letter of intent to form a joint venture **OR** JV/Consortium/Association agreement

We hereby confirm that if the contract is awarded, all parties of the Joint Venture/Consortium/Association shall be jointly and severally liable for the fulfillment of the provisions of the Contract.

Name of partner: _____

Name of partner: _____

Signature: _____

Signature: _____

Date: _____

Date: _____

FORM D: ELIGIBILITY AND QUALIFICATION FORM

Table 125- ELIGIBILITY AND QUALIFICATION FORM

| | | | |
|------------------------|-------------------------------|--------------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| IFB reference: | [Insert IFB Reference Number] | | |

If JV/Consortium/Association, to be completed by each partner.

History of Non- Performing Contracts

| <input type="checkbox"/> Non-performing contracts did not occur during the last 3 years | | | |
|---|------------------------------------|---|---|
| <input type="checkbox"/> Contract(s) not performed in the last 3 years | | | |
| Year | Non- performed portion of contract | Contract Identification | Total Contract Amount (current value in US\$) |
| | | Name of Client: Address of Client: Reason(s) for non-performance: | |

Litigation History (including pending litigation)

| <input type="checkbox"/> No litigation history for the last 3 years | | | |
|---|-----------------------------|---|---|
| <input type="checkbox"/> Litigation History as indicated below | | | |
| Year of dispute | Amount in dispute (in US\$) | Contract Identification | Total Contract Amount (current value in US\$) |
| | | Name of Client: Address of Client: Matter in dispute: Party who initiated the dispute: Status of dispute: Party awarded if resolved: | |

Previous Relevant Experience

Please list only previous similar assignments successfully completed in the last 3 years.

List only those assignments for which the Bidder was legally contracted or sub-contracted by the Client as a company or was one of the Consortium/JV partners. Assignments completed by the Bidder's individual experts working privately or through other firms cannot be claimed as the relevant experience of the Bidder, or that of the Bidder's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. The Bidder should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by CHAI.

Table 13 -Previous Relevant Experience

| Project name & Country of Assignment | Client & Reference Contact Details | Contract Value | Period of activity and status | Types of activities undertaken |
|--------------------------------------|------------------------------------|----------------|-------------------------------|--------------------------------|
| | | | | |
| | | | | |
| | | | | |

Bidders may also attach their own Project Data Sheets with more details for assignments above.

Attached are the Statements of Satisfactory Performance from the Top 3 (three) Clients or more.

Financial Standing

Table 14 -Financial Standing

| | | |
|---|---------------------|-----|
| Annual Turnover for the last 3 years | Year 2019 | USD |
| | Year 2020 | USD |
| | Year 2021 (to date) | USD |
| Latest Credit Rating (if any), indicate the source | | |

| Financial information (in US\$ equivalent) | Historic information for the last 3 years | | |
|---|---|---------------|-----------------------|
| | Year 1 (2019) | Year 2 (2020) | Year 3 (2021 to date) |
| | <i>Information from Balance Sheet</i> | | |
| Total Assets (TA) | | | |
| Total Liabilities (TL) | | | |

| | | | |
|----------------------------|--|--|--|
| Current Assets (CA) | | | |
| Current Liabilities (CL) | | | |
| | <i>Information from Income Statement</i> | | |
| Total / Gross Revenue (TR) | | | |
| Profits Before Taxes (PBT) | | | |
| Net Profit | | | |
| Current Ratio | | | |

Attached are copies of the audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following condition:

- a) Must reflect the financial situation of the Bidder or party to a JV, and not sister or parent companies;
- b) Historic financial statements must be audited by a certified public accountant;
- c) Historic financial statements must correspond to accounting periods already completed and audited. No statements for partial periods shall be accepted.

FORM E: FORMAT OF TECHNICAL BID

Table 614-FORMAT OF TECHNICAL BID

| | | | |
|------------------------|-------------------------------|--------------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| IFB reference: | [Insert IFB Reference Number] | | |

The Bidder’s Bid should be organized to follow this format of the Technical Bid. Where the bidder is presented with a requirement or asked to use a specific approach, the bidder must not only state its acceptance, but also describe how it intends to comply with the requirements. Where a descriptive response is requested, failure to provide the same will be viewed as non-responsive.

SECTION 1: Bidder’s qualification, capacity and expertise

- 1.1 General organizational capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, extent to which any work would be subcontracted (if so, provide details).
- 1.2 Relevance of specialized knowledge and experience on similar engagements done in the region/country.
- 1.3 Quality assurance procedures and risk mitigation measures.
- 1.4 Organization’s commitment to sustainability.

SECTION 2: Scope of Supply, Technical Specifications, and Operational-Related Services

This section should demonstrate the Bidder’s responsiveness to the specification by identifying the specific components proposed, addressing the requirements, as specified, point by point; providing a detailed description of the essential

performance characteristics proposed; and demonstrating how the proposed bid meets or exceeds the requirements/specifications. All important aspects should be addressed in sufficient detail.

- 2.1 A detailed description of how the Bidder will deliver the required goods and services, keeping in mind the appropriateness to local conditions and project environment. Details how the different service elements shall be organized, controlled and delivered.
- 2.2 Explain whether any work would be subcontracted, to whom, how much percentage of the requirements, the rationale for such, and the roles of the proposed sub-contractors and how everyone will function as a team.
- 2.3 The bid shall also include details of the Bidder’s internal technical and quality assurance review mechanisms.
- 2.4 Implementation plan including a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.
- 2.5 Demonstrate how you plan to integrate sustainability measures in the execution of the contract.

Table 15-Bidder declaration for goods and services to be suppliers

| Goods and services to be Supplied | Technical Specifications | Bidder’s Response | | | | |
|--|-------------------------------|--|---|---|---|----------|
| | | Compliance with technical specifications | | Delivery Date | Quality Certificate/Export Licenses, etc. | Comments |
| | | Yes, we comply | No, we cannot comply <i>(indicate discrepancies)</i> | <i>(confirm that you comply or indicate your delivery date)</i> | <i>(indicate all that apply and attach)</i> | |
| Specifications for biomedical maintenance toolkits, analyzers, office furniture and related activities | See Annexes -1A, , 2, 3 and 4 | | | | | |

Table 7-Bidders declaration for related services and requirement

| Other Related services and requirements <i>(based on the information provided in Section 5b)</i> | Compliance with requirements | | Details or comments on the related requirements |
|---|------------------------------|---|---|
| | Yes, we comply | No, we cannot comply <i>(indicate discrepancies)</i> | |
| | | | |

| | | | |
|--------------------------------------|--|--|--|
| Delivery Terms | | | |
| Warranty | | | |
| Service Level Agreement Requirements | | | |

SECTION 3: Management Structure and Key Personnel

- 3.1 Describe the overall management approach toward planning and implementing the project. Include an organization chart for the management of the project describing the relationship of key positions and designations. Provide a spreadsheet to show the activities of each personnel and the time allocated for his/her involvement.
- 3.2 Provide CVs for key personnel that will be provided to support the implementation of this project using the format below. CVs should demonstrate qualifications in areas relevant to the scope of goods and/or services.

Format for CV of Proposed Key Personnel

Table 168 -Format for CV of Proposed Key Personnel

| | |
|--------------------------------------|---|
| Name of Personnel | [Insert] |
| Position for this assignment | [Insert] |
| Nationality | [Insert] |
| Language proficiency | [Insert] |
| Education/ Qualifications | <i>[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]</i> |
| | [Insert] |
| Professional certifications | <i>[Provide details of professional certifications relevant to the scope of goods and/or services]</i> |
| | <ul style="list-style-type: none"> ▪ Name of institution: [Insert] ▪ Date of certification: [Insert] |
| Employment Record/ Experience | <i>[List all positions held by personnel (starting with present position, list in reverse order), giving dates, names of employing organization, title of position held and location of employment. For experience in last five years, detail the type of activities performed, degree of responsibilities, location of assignments and any other information or professional experience considered pertinent for this assignment.]</i> |
| | [Insert] |
| | <i>[Provide names, addresses, phone and email contact information for two (2) references]</i> |

| | |
|-------------------|--|
| References | Reference 1: [Insert] Reference 2: [Insert] |
|-------------------|--|

I, the undersigned, certify that to the best of my knowledge and belief, the data provided above correctly describes my qualifications, my experiences, and other relevant information about myself.

Signature of Personnel

Date (Day/Month/Year)

FORM F: PRICE SCHEDULE / FINANCIAL PROPOSAL FORM

Table 17- PRICE Schedule / FINANCIAL PROPOSAL FORM

| | | | |
|------------------------|-------------------------------|--------------|-------------|
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| IFB reference: | [Insert IFB Reference Number] | | |

The Bidder is required to prepare the Price Schedule following the below format. The Price Schedule/Financial Proposal must include a detailed cost breakdown of all goods and related services to be provided. Separate figures must be provided for each functional grouping or category, if any.

Any estimates for cost-reimbursable items, such as travel of experts and out-of-pocket expenses, should be listed separately.

Currency of the Bid: [Insert Currency]

A. Price Schedule/Financial Proposal for Lot-1

Table 17A- Summary of Financial proposal for Lot-1

| Financial requirements | |
|---------------------------|--|
| Import/pre-import Grantee | |

Facility Name:

| No. | Item/Spares list | Manufacturer | Brand | Model | Quantity | Unit Price | Amount (USD) ⁷ |
|--|---|--------------|-------|-------|----------|------------|---------------------------|
| 1 | Cost of Biomedical Maintenance Workshop Calibration and Analyzers ⁸ | | | | | | |
| Sub-total Lot 1 | | | | | | | |
| 1 | Cost of delivery to facility (shipping, inland transportation and other till final destination) | | | | | | |
| 2 | Cost of installation, testing, and commissioning at facility | | | | | | |
| 3 | Training | | | | | | |
| 4 | Warranty | | | | | | |
| 5 | After Sales Services | | | | | | |
| Sub total | | | | | | | |
| Total amount before Vat/TOT⁹ | | | | | | | |
| Grand total amount including Vat/TOT | | | | | | | |

⁷ All quotes for cost drivers should be given in USD/\$. The price given in other currency will not be considered for evaluation.

⁸ The unit cost per terminal/point includes for materials, training, installation..

⁹ VAT/TOT should be shown separately i.e., the cost before VAT or if not applicable to the item, it has to be indicated clearly.

B. Price Schedule/Financial Proposal for Lot-2

Table 17B-Summary of Financial Proposal for Lot-2

| Financial requirements | |
|---------------------------|--|
| Import/pre-import Grantee | |

Facility Name:

| No. | Item/Spares list | Manufacturer | Brand | Model | Quantity | Unit Price | Amount (USD) ¹⁰ |
|---|---|--------------|-------|-------|----------|------------|----------------------------|
| 1 | Cost of Electrical & Electronics Workshop hand tools and test equipment ¹¹ | | | | | | |
| Sub-total Lot – 2 | | | | | | | |
| 1 | Cost of delivery to facility (shipping, inland transportation and other till final destination) | | | | | | |
| 2 | Cost of installation, testing, and commissioning at facility | | | | | | |
| 3 | Training | | | | | | |
| 4 | Warranty | | | | | | |
| 5 | After Sales Services | | | | | | |
| Sub total | | | | | | | |
| Total amount before Vat/TOT¹² | | | | | | | |
| Grand total amount including Vat/TOT | | | | | | | |

A. Price Schedule/Financial Proposal for Lot-3

Table 17C-Summary of Financial Proposal for Lot-3

| Financial requirements | |
|---------------------------|--|
| Import/pre-import Grantee | |

Facility Name:

| No. | Item/Spares list | Manufacturer | Brand | Model | Quantity | Unit Price | Amount (USD) ¹³ |
|--------------------------|--|--------------|-------|-------|----------|------------|----------------------------|
| 1 | Cost of Mechanical Workshop hand tools and Machineries ¹⁴ | | | | | | |
| Sub-total Lot – 3 | | | | | | | |

¹⁰ All quotes for cost drivers should be given in USD/\$. The price given in other currency will not be considered for evaluation.

¹² VAT/TOT should be shown separately i.e., the cost before VAT or if not applicable to the item, it has to be indicated clearly.

¹³ All quotes for cost drivers should be given in USD/\$. The price given in other currency will not be considered for evaluation.

| | | | |
|---|---|--|--|
| 1 | Cost of delivery to facility (shipping, inland transportation and other till final destination) | | |
| 2 | Cost of installation, testing, and commissioning at facility | | |
| 3 | Training | | |
| 4 | Warranty | | |
| 5 | After Sales Services | | |
| Sub total | | | |
| Total amount before Vat/TOT¹⁵ | | | |
| Grand total amount including Vat/TOT | | | |

A. Price Schedule/Financial Proposal for Lot-4

Table 17D-Summary of Financial Proposal for Lot-4

| Financial requirements | |
|---------------------------|--|
| Import/pre-import Grantee | |

Facility Name:

| No. | Item/Spares list | Manufacturer | Brand | Model | Quantity | Unit Price | Amount (USD) ¹⁶ |
|---|---|--------------|-------|-------|----------|------------|----------------------------|
| 1 | Cost of Mechanical Workshop hand tools and Machineries ¹⁷ | | | | | | |
| Sub-total Lot – 4 | | | | | | | |
| 1 | Cost of delivery to facility (shipping, inland transportation and other till final destination) | | | | | | |
| 2 | Cost of installation, testing, and commissioning at facility | | | | | | |
| 3 | Training | | | | | | |
| 4 | Warranty | | | | | | |
| 5 | After Sales Services | | | | | | |
| Sub total | | | | | | | |
| Total amount before Vat/TOT¹⁸ | | | | | | | |
| Grand total amount including Vat/TOT | | | | | | | |

¹⁵ VAT/TOT should be shown separately i.e., the cost before VAT or if not applicable to the item, it has to be indicated clearly.

¹⁶ All quotes for cost drivers should be given in USD/\$. The price given in other currency will not be considered for evaluation.

¹⁸ VAT/TOT should be shown separately i.e., the cost before VAT or if not applicable to the item, it has to be indicated clearly.

FORM G: FORM OF BID SECURITY

**Bid Security must be issued using the official letterhead of the Issuing Bank.
Except for indicated fields, no changes may be made on this template.**

To: CHAI

[Insert contact information as provided in Data Sheet]

WHEREAS [Name and address of Bidder] (hereinafter called “the Bidder”) has submitted a Bid to CHAI dated [Click here to enter a date.](#) to execute goods and/or services [Insert Title of Goods and/or Services] (hereinafter called “the Bid”):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security if the Bidder:

- a) Fails to sign the Contract after CHAI has awarded it;
- b) Withdraws its Bid after the date of the opening of the Bids;
- c) Fails to comply with CHAI’s variation of requirement, as per ITB instructions; or
- d) Fails to furnish Performance Security, insurances, or other documents that CHAI may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Bidder, up to a total of *[amount of guarantee] [in words and numbers]*, such sum being payable in the types and proportions of currencies in which the Price Bid is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of *[amount of guarantee as aforesaid]* without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid up to 28 days after the final date of validity of bids.

SIGNATURE AND SEAL OF THE GUARANTOR BANK

Signature: _____

Name: _____

Title: _____

Date: _____

Name of Bank _____

Address _____

[Stamp with official stamp of the Bank]