

# **REQUEST FOR QUOTATION (RFQ)**

# **( GOODS)**

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| RFQ Reference: RFQ/TZA/2022/014 | Date: 02 August 2022 |

UNDP kindly requests your quotation for **Re- Advertisement** **Supply and Delivery, Installation and Training of Lab Equipment’s –DIT** as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Data

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Thank you and we look forward to receiving your quotations.

Approved by:

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|  | Name: Amon Manyama  Title: Project Coordinator  Date: August 2, 2022 |

## **SECTION 2: RFQ INSTRUCTIONS AND DATA**

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| **Introduction** | Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the [UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement](https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d&Menu=BusinessUnit)  Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ.  UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website. |
| **Deadline for the Submission of Quotation** | **Thursday, Aug 17, 2022 at 10: 00 AM (GMT+3HRS)**  If any doubt exists as to the time zone in which the quotation should be submitted, refer to <http://www.timeanddate.com/worldclock/>. |
| **Method of Submission** | Quotations must be submitted as follows:  **Dedicated Email Address**  Bid submission address: **tenders.tz@undp.org**   * File Format: PDF * File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. * All files must be free of viruses and not corrupted*.* * Max. File Size per transmission: **5MB** * Mandatory subject of email: **Re-Advertised for Supply and delivery, Installation and Training of Lab Equipment’s –DIT** * Multiple emails must be clearly identified by indicating in the subject line “email no. X of Y”, and the final “email no. Y of Y. * It is recommended that the entire Quotation be consolidated into as few attachments as possible. * The bidder should receive an email acknowledging email receipt.   [For eTendering method, click the link <https://etendering.partneragencies.org> and insert Event ID information]   * Insert BU Code and Event ID number   Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/ |
| **Cost of preparation of quotation** | UNDP shall not be responsible for any costs associated with a Supplier’s preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process. |
| **Supplier Code of Conduct, Fraud, Corruption,** | All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes **principles on labour, human rights, environment and ethical conduct** may be found at: <https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct>  Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP’s Anti-Fraud Policy can be found at <http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti> |
| **Gifts and Hospitality** | Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall 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; (b) 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 UNDP contract. |
| **Conflict of Interest** | **UNDP requires every prospective Supplier to** avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall 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.  Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ.  The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP’s 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 RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid. |
| **General Conditions of Contract** | Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the General Conditions of Contract  Select the applicable GTC:  [General Terms and Conditions / Special Conditions for Contract.](https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Considerations%20of%20Contracting_UNDP%20GTCs%20for%20Contracts%20(Goods%20and-or%20Services)%20-%20Sept%202017.pdf&action=default)  ☐ [General Terms and Conditions for de minimis contracts (services only, less than $50,000)](http://www.undp.org/content/dam/undp/library/corporate/Procurement/english/4.%20UNDP%20GTCs%20for%20de%20minimis%20Contracts%20(Services%20only)%20-%20Sept%202017.pdf)  ☐ [General Terms and Conditions for Works](https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Award%20and%20Management%20of%20Contract_UNDP%20General%20Terms%20and%20Conditions%20for%20Civil%20Works.docx&action=default)  Applicable Terms and Conditions and other provisions are available at [UNDP/How-we-buy](http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html) |
| **Special Conditions of Contract** | Cancellation of PO/Contract if the delivery/completion is delayed by **[21 working days after the PO is signed]**  ☐ Others [pls. specify] |
| **Eligibility** | A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP.  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 UNDP.  Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative |
| **Currency of Quotation** | Quotations shall be quoted in **Tanzanian Shillings (TZS)/USD** |
| **Joint Venture, Consortium or Association** | 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 : (i) 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 (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association.  Refer to Clauses 19 – 24 under [Solicitation policy](https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation%20Process_Solicitation.docx.docx&action=default) for details on the applicable provisions on Joint Ventures, Consortium or Association. |
| **Only one Bid** | The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association.  Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:  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  b) they have the same legal representative for purposes of this RFQ; or  c) 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 RFQ process.  d) 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  e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid. |
| **Duties and taxes** | Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified below:  All prices must:  **be inclusive of VAT and other applicable indirect taxes** |
| **Language of quotation** | **English**  Including documentation including catalogues, instructions and operating manuals. |
| **Documents to be submitted** | Bidders shall include the following documents in their quotation:  **Annex 2: Quotation Submission Form duly completed and signed**  **Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1; (MANDATORY)**  **Latest Business Registration Certificate; (MANDATORY)**  **Latest Internal Revenue Certificate / Tax Clearance; (MANDATORY)**  **Manufacturer’s Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer) MANDATORY.**  ☒  **List and value of at least 3 similar projects performed for the last 3 years plus client’s contact details who may be contacted for further information on those contracts; MANDATORY**  ☒ **Statement of satisfactory Performance (Certificates) from the top 3 clients in terms of Contract value in similar field; MANDATORY**  List and value of ongoing Projects with UNDP and other national/multi-national organization with contact details of clients and current completion ratio of each ongoing project;  Certificate of Exclusive Distributorship in the country (if applicable, and if Supplier is not the manufacturer).  Evidence/Certification of Environmental Sustainability (“Green” Standards) of the Company or the Product being supplied.  Complete documentation, information and declaration of any goods classified or may be classified as “Dangerous Goods”.  Patent Registration Certificates (if any of technologies submitted in the quotation is patented by the Supplier).  **Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List.**  **Others: Compliance to Technical specifications along with the proposal**  Other Click or tap here to enter text. |
| **Quotation validity period** | Quotations shall remain valid for **90 days** from the deadline for the Submission of Quotation. |
| **Price variation** | No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received. |
| **Partial Quotes** | **Permitted per LOT** |
| **Alternative Quotes** | **Not permitted**  Permitted  If permitted, an alternative quote may be submitted only if a conforming quote to the RFQ requirements is submitted. Where the conditions for its acceptance are met, or justifications are clearly established, Click or tap here to enter text. reserves the right to award a contract based on an alternative quote. If multiple/alternative quotes are being submitted, they must be clearly marked as “Main Quote” and “Alternative Quote” |
| **Payment Terms** | **100% within 30 days after receipt of goods, works and/or services and submission of payment documentation**.  Other Click or tap here to enter text. |
| **Conditions for Release of**  **Payment** | **Passing Inspection [specify method, if possible] Complete Installation**  ☐ Passing all Testing [specify standard, if possible]  ☐ Completion of Training on Operation and Maintenance [specify no. of trainees, and location of training, if possible  **Written Acceptance of Goods, Services and Works, based on full compliance with RFQ requirements**  ☐ Others [pls. specify] |
| **Contact Person for correspondence, notifications and clarifications** | E-mail address: **tenders.tz@undp.org**  **Any delay in UNDP’s response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.** |
| **Clarifications** | Requests for clarification from bidders will not be accepted any later than **three days** before the submission deadline. Responses to request for clarification will be communicated through email address that sought clarification on 08 August 2022 |
| **Evaluation method** | **The Contract or Purchase Order will be awarded to the lowest price substantially compliant offer**  Other Click or tap here to enter text. |
| **Evaluation criteria** | Full compliance with all requirements as specified in Annex 1  Full acceptance of the General Conditions of Contract  Comprehensiveness of after-sales services  Earliest Delivery /shortest lead time |
| **Right not to accept any quotation** | UNDP is not bound to accept any quotation, nor award a contract or Purchase Order |
| **Right to vary requirement at time of award** | At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25% ) of the total offer, without any change in the unit price or other terms and conditions. |
| **Type of Contract to be awarded** | Purchase Order |
| **Expected date for contract award.** | 19 August 2022 |
| **Publication of Contract Award** | UNDP will publish the contract awards valued at USD 100,000 and more on the websites of the CO and the corporate UNDP Web site. |
| **Policies and procedures** | This RFQ is conducted in accordance with [UNDP Programme and Operations Policies and Procedures](https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d&Menu=BusinessUnit) |
| **UNGM registration** | Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at [www.ungm.org](http://www.ungm.org).  The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature. |

**ANNEX 1: RE-ADVERTISED FOR SUPPLY AND DELIVERY, INSTALLATION AND TRAINING OF LAB EQUIPMENTS FOR DIT**

**Technical Specifications for Goods:**

**Note: All equipment from LOT 1 to LOT 4 to be supplied with 2 years warranty**

**LOT 1**

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| 1 | **Non-Contact Voltage Detectors**  This device safely checks for electrical current in a wire, outlet or switch. The voltage detection is showed by a red LED light and an alarm sounds.  The device should be equipped with automatic shut-off  The device should be equipped with CAT IV 1000 Volt safety rating and conform to CE requirements  The design should be lightweight, compact, and durable  Voltage operating range: 50…1,000 V AC | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 2 | **Portable Electrical Network Analyzers with data logger**  This set of portable equipment, equipped with data logger, will be used to measure different parameters of the power transported to user devices and the electricity consumption of individual equipment.  Measured parameters: voltage, current, frequency, THD V, THD A, power, power factor, fundamental power, DPF, energy  3 phases asynchronous  Power consumption max 50 VA  Number of inputs: 4  IEC 61000-4-30: 2015  Motor frequency range: 40Hz-70Hz  Range mechanical motor: 0.7 kW-746 kW  Averaging interval: 1, 5, 10, 30 sec, 1, 5, 10, 15, 30 min.  Voltage range 10-240 V using standard power cord  Logger function for long-term recording of minimum, maximum and average readings for up to 150 parameters on all three phases and neutral  USB port and cable to transfer data to a PC for trend and waveform data analysis with software included  Online training for operation | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 1 |
| 3 | **Portable Digital multimeters**  This tool will be used to measure following electrical values: voltage, current and resistance.  The device should be equipped with an auto power off, PC interface, USB interface and a carry bug  Maximum voltage (AC and DC): 1,000 V  Maximum current (AC and DC): 40 A  Maximum resistance: 50 MΩ  True-RMS  Counts: 50,000  Digits: 4-1/2 | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 4 | **Circuit Load Testers**  This device checks for circuit and wiring problems, ground impedance and missing ground fault protection.  The device should allow the selection of at least three loads, measure loaded and unloaded AC line voltage, calculate and displays the percentage of voltage drop and line impedance, display peak voltage and frequency  AC test cord included  LCD display | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 5 | **Electrical Outlet Testers**  An Electrical Outlet Tester is a device used to check supply faults and incorrect wiring and socket outlets.  3 Phase Industrial Socket Testers, neutral/Earth check  Input voltage range: 380…415V AC (Phase to Phase)  Input frequency: 50Hz  Input current: < 20mA  BS EN 61326-1, BS EN 61010-1, CAT III 300V, Class II Double Insulation, Pollution Degree: 2 | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 6 | **Digital calipers**  Precision measurement of cable cross-section and size of leaks.  Range: 0 to 6" x 0.0005"  Resolution: 0 to 150 mm x 0.01mm  IP65  Minimal dimensions: 235 x 75 x 15mm | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 7 | **Current clamp (AC / DC) (1000 A)**  Non-contact voltage detector to measures: voltage and current, capacitance, active and apparent power, the power factor and frequency  Min / Max function  Hold reading function  Peak value holding function  Automatic or manual calibration  USB interface  Voltage (AC / DC): 1000 V  Current (AC / DC): 1000 A  Resistance: 4MΩ  Capacity: 40mF | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 8 | **Current clamp (AC / DC) (200 A)**  Non-contact voltage detector to measures: voltage and current, capacitance, active and apparent power, the power factor and frequency  Min / Max function  Hold reading function  Peak value holding function  Automatic or manual calibration  USB interface  Voltage (AC / DC): 600 V  Current (AC / DC): 200 A  Resistance: 4MΩ  Capacity: 40mF | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 9 | **Data logger voltage and current**  This device simultaneously measures 2 AC voltage inputs or 2 AC current inputs or 1 AC voltage and 1 AC current input.  Max / Min readings  Maintain peak value  Programmable sampling frequencies  Downloadable collected data via the USB interface  Download measurements via USB interface and analyze results with included software  Includes AC clamp sensor and voltage sensor  Current range: 10…200A  Accuracy: ± (2% of reading ± 1A)  Resolution : 0.1A  Voltage range: 10…600V  Accuracy: ± (2% of reading ± 1A)  Resolution : 0.1V  Selectable samplig rate : 1 sec… 24 h  Dual channel, TRMS AC Voltage or Current  Operating temperature range: 0… 50 oC  Operating humidity range: 10….75%  Max datapoints: at least 250,000  Product certification: CE  Overvoltage categorie: CAT. III 600V | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 5 |
| 10 | **Photovoltaic simulation software**  Software program for the dynamic simulation, desing and dimension with 3D visualization and detailed shading analysis of photovoltaic plants with storage systems.  Import of satellite maps  High and low tariffs taken into account  Languages: English, French, German, Italian, Polish, Portuguese, Spanish (plus additional languages for the results presentation)  Calculation of electric vehicles with battery storage systems  Online training and support (in English).  Use on tablets and phones (iOS, Android, Windows).  New versions included.  Compatible with Windows 10 Pro.  At least four academic/educational unlimited licences | ENERGY EFFICIENCY IN ELECTRICAL SYSTEMS | LOT1 | 1 |

**LOT 2**

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| 01 | **Climate chamber**  This device will be used to perform climatic and environmental analysis of building materials and energy consuming products.  Temperature range: -40...180 C  Useful capacity: 450…750 litres  Temperature changing rate heating/cooling: 4.5/4.5 K/min  Temperature fluctuation: ±0.1...±0.3  Humidity range: 10…98%  Temperature range for climatic test: 10…95 oC  Maximum thermal load: 4500 W  Inspection window  UV lamp for ageing text  Through holes for electrical, mechanical and hydraulic connections inside and outside the chamber  Automatic notification of event and alarms and specimen switching off in case of alarm  Surface cleaning set  Humidification water recycling system  Chamber internal cloud for data storage  PLC for managing all chamber’s functions  Archive manager for easy access for the stored measures and recordings  Test program editor included  Internal lighting  Self-pivoting wheels and feet  Embedded control software to manage, monitor and assist the chamber by Wi-Fi, Ethernet and mobile network and visualization and graphical analysis of measures and rcordings (including live data)  Installation support and training on site at DIT  Online support for operation for at least 2 years | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 02 | **Digital manometers**  This is a device used for the measurement of static pressure, differential pressure and gas pressure.  Measurement range: -150… 150 mbar  The device should allow to send the results to a printer (via an infrared interface) and/or wirelessly to smartphone App (via Wi-Fi interface)  Eight user-selectable pressure scale measurement units  For static pressure measurements, the resolution mode should be at least 0.01 mbar | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 03 | **Blower door**  This device is used to measure the airtightness of residential and small commercial buildings.  The device should be equipped with mounting frame, digital manometer, fan, connectors, software for airtightness data analysis, speed controller, calibration certificate, pipes kit  Fan power max: 7200 m3/h at 50 Pa  Max weight: 20 kg  ISO 9972, EN 13829 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 04 | **Duct Leakage Test**  This device detectes leaking in ducks for air conditioning system in both houses and light commercial buildings. The duct fan should be connected directly to the duct system to diagnose losses and estimate efficiency.  The device should automatically calculate leakage in real time, display both flow leakage rate and static pressure  The device should be carry weight (max 65 kg)  Accuracy: ±2.5% of volume flow  EN12237 and EN1507 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 05 | **Portable Thermographic Cameras**  This device is a particular camera, sensitive to infrared radiation, capable of obtaining images or thermographic shots. Temperature maps of the exposed surfaces are obtained.  Object temperature range: -25…380°C  Accuracy: ±1.5°C for temperatures 50…100°C; up to ±3°C for -25…50°C and 100°C…380°C  Detector type: Focal Plane Array (FPA), uncooled microbolometer  Dual pointer lasers  IR resolution: 160 × 120 pixels  Thermal Sensitivity/NETD <70 mK  Store images and data with removable micro SD card  Mini USB Port for downloading images and charging internal battery | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 3 |
| 06 | **Moisture Meters**  This device is used to measure the amount of water in the different materials, such as wood, concrete, cork and plaster.  The device should be nondestructive and equipped with a pin, LCD display and an alarm function if the threshold level is exeeded  Max penetration depth: 40 mm.  Operating temperature: 0…50 oC | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 07 | **Digital tachometers**  The digital tachometer is a device to measure speed of rotation equipment with no contact and it is used by engineers and maintenance professionals.  Rotational speed range: 1…99,999 rpm  Measure distance: 50…250 mm  Automatic shot-off: 30 s  The device should be equipped by an on-board data-logging and software for statistical analysis  LCD display backlit  MAX, MIN, AVG | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 08 | **Portable Stroboscopes**  This device measure running speed of rotating equipment (hears, fans, centrifuges, motors, etc.) without stopping the operation and contact with machinery.  Measurement range: 30…300,000 FPM  Accuracy: 0.02%  Operating temperature: 0…45 °C  LCD display, 5 digits  No external calibration process required  Max weight: 2 kg  Flash tube with plug and socket easy to replace  CE, IEC1010 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 09 | **Digital Room Thermometers and Hygrometers**  A Digital Room Thermometer and Hygrometer provides accurate indoor humidity and temperature measurements.  Temperature range: -15…50°C  The device should be equipped with a realtime temperature and humidity LCD Display and low battery indicator.  The temperature should be switched to/from Fahrenheit degree to/from Celsius degree  Humidty range: 10…99%  Temperature resolution: 0.1oC  Humidity resolution: 1% | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 10 | **Air Flow Meter**  This device will be used to measure air flow and velocity in industrial facilities.  Air pressure range: 0…4000 Pascal  Air velocity range: 250…16,000 fpm  Air flow volume range: 0…99,999 cfm  Operating temperature range: 0…50 °C  Maximum pressure at each port: 10 psi  IP40, EN61326-1 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 11 | **Portable Ultrasonic Flowmeter**  This device is used for liquid metering into pipes. Measurement parameters are velocity, volume, mass, total flow.  Temperature range: -40 oC…170 oC  Cable length more than 10 m  Pipe size range: 0.5” to 394”  Flow range: bidirectional  The device should equipped with tablet with LCD capacitive touchscreen, Bluetooth technology, carry case, battery Lithium Ion, USB key (at least 1 GB of capacity)  Protection IP40 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 12 | **Combustion analyser**  This instrument calculates the efficiency of boilers, heaters, and furnaces by measuring parameters such as stack temperature, flue pressure and levels of gases.  At least 4 cells (O2, CO, Nox, SO2).  Portable.  Integrated printer  Sensor at least 300 mm long  Carry case.  EN 50379-1, EN 50379-2  The memory capacity should be at least 500 measurements  Batteries Lithium Ion | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 13 | **Portable digital infrared thermometers guns**  This tool is used to deliver readings of surface temperatures of objects from distance.  Temperature range at least -30… 500 oC  Distance to spot radio: 12:1  Hi-Lo alarm included  Emissivity: 0.95 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 14 | **Digital TDS Meters**  The device is a professional grade level meter for water quality testing: electrical conductivity (EC), total dissolved solids (TDS), salinity and temperature.  IP-67 rating  The device should be equipped with auto-off function, data-hold function, low-battery indicator and LCD screen  EC range: 0…9.99 mS  TDS range: 0…8000 ppm (0.7 Scale); 0…5000 ppm (0.5 Scale)  Operating temperature range: 0…50 °C  Resolution: 0…99: 0.01mS/ppt; 100…999: 1 µS/ppm; 1000…9990: 10 µS/ppm; temperature resolution: 0.1 °C  Digital calibration (push button) to any point within the meter’s range  Accuracy: ± 2% | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 15 | **Ultrasonic leak detector for compressed air installations**  Including: leak detector, headset with neck, flexible ultrasonic probe, batteries, USB cable, operating software  Measuring range: -6 à 99,9 dBµV (reference 0 dB = 1 µV)  Resolution: 0,1 dBµV  Bandwith: 35 à 42 kHz  Signal amplification: +30 to +102 in 6 dB steps  Amplification: 5 positions adjustable in 6 dB steps  Maximum power: +83 dB SPL with the helmet supplied  NRR Peltor HQ 25 dB headphones  Headphone connector: 6.35 mm stereo jack connector | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |
| 16 | **Coolant temperature and flow indicator**  A coolant temperature and flow indicator detects coolant temperatures.  Temperature range: 0… 99 C.  The LCD screen displays the value in degrees Celsius or Fahrenheit  Thread: G1 / 4  The device must be equipped with temperature warning and low flow warning functions | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 17 | **Globe thermometer (TC type K) - for radiant heat**  The globe thermometer is suitable for measuring radiant heat, e.g. as part of the measurement of well-being at the workplace.  To measure radiant heat according to ISO 7243, ISO 7726, DIN EN 27726 and DIN 33403 standards  Type K thermocouple  With stand and mounting ring  Measuring range: 0 to + 120 ° C  Indicative unit price: EUR 350 | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 2 |
| 18 | **Heat flow sensor**  This device measures thermal resistance (R value) and thermal transmittance (H value)  Sensitivity: 60 μV / (W / m2)  Range: + -2000 W / m2  Temperature range: -30… 70 °C  Cable: 5 m | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 5 |
| 19 | **Solar thermal simulation software**  Software program for design, calculation and optimization of solar thermal systems.  Dynamic simulation  User-friendly interface  Online training and support (in English).  Use on tablets and phones (iOS, Android, Windows).  New versions included.  Compatible with Windows 10 Pro.  At least four academic/educational unlimited licences | INDUSTRIAL ENERGY EFFICIENCY | LOT2 | 1 |

**LOT 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 01 | **Laser Distance Meters**  This device measures the distance of an object or span without contact by way of a laser.  Measurement range: 0.1-120 m  Measurement accuracy: ±2.0 mm  Laser class: 2  IP65  Memory capacity: 100 measurements  The device should be able to perform 3D measuring from point to point  The device should be equipped with touchscreen navigation, bluetooth, free mobile app, auto switch-off, area/volume measurement, tilt measurement  Memory capacity: 50 measurements  Operating temperature: 0…40 °C | INDUSTRIAL, BUILDING AND HOUSEHOLDS ENERGY EFFICIENCY | LOT3 | 5 |
| 02 | **Electronic Distance Measuring Wheels**  An Electronic Distance Measuring Wheels allows to measure long distances while walking.  The device should be folded for easy storage and transport and equipped with pistol grip brake, belt driven counter and automatic shut-off  The counter should be digital with following units of measure: feet, feet/inches, feet/tenths, meters, meters/centimeters, meters/decimeters, yard, yards/inches  Range: 4,000 m  Extended length: 0,9 meters | INDUSTRIAL, BUILDING AND HOUSEHOLDS ENERGY EFFICIENCY | LOT3 | 2 |
| 03 | **Digital Lux Meters**  This device is used to measure the luminance (luminous intensity per unit area of light travelling in a given direction).  The device should be equipped with an internal data logger to record and save measurements, auto power off and carry bug.  LCD backlit display, 4 digits  Measuring range: 0...400,000 Lux  Detector: Silicon photodiode with filter  Accuracy: ± 3%  Protection: CE | INDUSTRIAL, BUILDING AND HOUSEHOLDS’ ENERGY EFFICIENCY | LOT3 | 5 |
| 04 | **Energy Software for energy auditing in industries**  Software to perform energy data analysis of buildings, dynamic simulations and diagnostic audits of buildings.  Analysis of energy data and dynamic simulation (energy needs, losses and consumption) at least for: heat production, hot water and steam; industrial cold, cogeneration and trigeneration; compressed air production.  Technologies included: fossil fuels, biomass generators, solar thermal, photovoltaic, geothermal, electric and gas pumps, district heating and small cogeneration.  Database and libraries of generators and materials included (the database can be developed by the user).  Production of technical energy audit reports.  Cost-effectiveness of energy renovation actions, estimation of fuel savings and reduction of CO2 emissions.  Online training and support (in English).  Use on tablets and phones (iOS, Android, Windows).  New versions included.  Compatible with Windows 10 Pro.  Tanzania climate data already included or possibility of importing Tanzania climate data in CSV or EPW file format.  At least four academic/educational unlimited licenses | INDUSTRIAL, BUILDING AND HOUSEHOLDS ENERGY EFFICIENCY | LOT3 | 1 |
| 05 | **Energy Software for energy management**  Software for the energy management of organizations: management and control of energy costs; control of the efficiency of energy equipment; optimization of bills and energy consumption.  Technologies considered: fossil fuels, biomass generators, solar thermal, photovoltaic, geothermal, electric and gas pumps, district heating and small cogeneration.  Database and libraries of generators and materials included (the database can be developed by the user).  Production of technical reports.  Online training and support (in English).  Use on tablets and phones (iOS, Android, Windows).  New versions included.  Compatible with Windows 10 Pro.  Tanzania climate data already included or possibility of importing Tanzania climate data in CSV or EPW file format.  At least four academic/educational unlimited licenses | INDUSTRIAL, BUILDING AND HOUSEHOLDS’ ENERGY EFFICIENCY | LOT3 | 1 |

**LOT 4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 01 | **Hard hats with LED lighting**  The hard hat with LED lighting will be used for security and safety protection during the visit to in construction work areas, factories, industrial facilities.  The hats should be equipped with ventilation holes, at least 6 points of webbing suspension and should be adjustable and realized in hard materials  Chin strap should be included  The had should be equipped with LED lighting for guaranteeing illumination in dark indoor  CE EN397 | SAFETY GEARS | LOT4 | 30 |
| 02 | **Portable Telescoping ladders**  The portable telescoping ladder is a ladder capable of sliding inward or outward.  The telescoping ladder should be equipped with a stabilizer bar, non-slip mat, one-button retraction  Material should be aluminum  The maximum weight capacity should be at least 150 kg  The full lenght should be at least 4 m | SAFETY GEARS | LOT4 | 2 |
| 03 | **Safety vests**  100% polyester  high visibility of reflective material  washable and durable  At least 7 pockets  Compliance with EN ISO 20471 class 2 standards | SAFETY GEARS | LOT4 | 30 |

**Delivery Requirements**

|  |  |
| --- | --- |
| **Delivery Requirements** | |
| **Delivery date and time** | Bidder shall deliver the goods 21 days after Contract signature. |
| **Delivery Terms (INCOTERMS 2020)** | DAP |
| **Customs clearance**  **(must be linked to INCOTERM** | Not applicable  Shall be done by:  Name of organisation (where applicable)  Supplier/bidder  Freight Forwarder |
| **Exact Address(es) of Delivery Location(s)** | **DIT**  **DAR ES SALAAM** |
| **Distribution of shipping documents (if using freight forwarder)** | N/A |
| **Packing Requirements** | N/A |
| **Training on Operations and Maintenance** | N/A |
| **Warranty Period** | 2 years |
| **After-sales service and local service support requirements** | Required, State physical address for after sales service and local support service |
| **Preferred Mode of Transport** | N/A |

**ANNEX 2: QUOTATION SUBMISSION FORM**

*Bidders are requested to complete this form, including the Company Profile and Bidder’s Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.*

|  |  |  |
| --- | --- | --- |
| Name of Bidder: | ………………………………………………………. | |
| RFQ reference: | RFQ/TZA/2022/014 | Date: 02 August 2022 |

**Company Profile**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item Description** | | **Details** | | | |
| Legal name of bidder or Lead entity for JVs | | …………………………………………………… | | | |
| Legal Address, City, Country | | ………………………………………………….. | | | |
| Website | | ………………………………………………….. | | | |
| Year of Registration | | ……………………………….. | | | |
| Legal structure | | Limited Company | | | |
| Are you a UNGM registered vendor? | | Yes  No If yes, insert UNGM Vendor Number | | | |
| Quality Assurance Certification (e.g. ISO 9000 or Equivalent) *(If yes, provide a Copy of the valid Certificate):* | | Yes  No | | | |
| 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):* | | Yes  No | | | |
| Does your Company have a written Statement of its Environmental Policy? *(If yes, provide a Copy)* | | Yes  No | | | |
| Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues *(If yes, provide a Copy)* | | Yes  No | | | |
| Is your company a member of the UN Global Compact | | Yes  No | | | |
| Bank Information | | Bank Name: ……………………………………….  Bank Address: …………………………………………………………………  IBAN: ……………………………..  SWIFT/BIC: …………………………………..  Account Currency: …………………………………….  Bank Account Number: …………………………………………….. | | | |
| **Previous relevant experience: 3 contracts** | | | | | |
| **Name of previous contracts** | **Client & Reference Contact Details including e-mail** | | **Contract Value** | **Period of activity** | **Types of activities undertaken** |
|  |  | |  |  |  |
|  |  | |  |  |  |
|  |  | |  |  |  |

**Bidder’s Declaration**

| **Yes** | **No** |  |
| --- | --- | --- |
|  |  | **Requirements and Terms and Conditions:** I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them. |
|  |  | I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period. |
|  |  | **Ethics**: In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ ;has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer. |
|  |  | I/We confirm to undertake not to engage in proscribed practices, , 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 wehave read the United Nations Supplier Code of Conduct :<https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct> and acknowledge that it provides the minimum standards expected of suppliers to the UN. |
|  |  | **Conflict of interest:** I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation’s Point of Contact. |
|  |  | **Prohibitions, Sanctions:** l/We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract 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 and 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. |
|  |  | **Bankruptcy**: l/We 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. |
|  |  | **Offer Validity Period:** I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity. |
|  |  | I/We understand and recognize that you are not bound to accept any Quotation you receive, and wecertify that the goods offered in our Quotation are new and unused. |
|  |  | By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf. |

Signature:

Name: …………………………………………

Title: ………………………………………..

Date: 02 August 2022

## **ANNEX 3: TECHNICAL AND FINANCIAL OFFER - GOODS**

*Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.*

|  |  |  |
| --- | --- | --- |
| Name of Bidder: | …………………………………………….. | |
| RFQ reference: | RFQ/TZA/ 2022/014 | Date: 02 August 2022 |

LOT 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Currency of the Quotation: Tanzanian Shillings (TZS/USD)**  **INCOTERMS: Delivery at place (DAP)** | | | | | |
| **LOT** | **Description** | **UOM** | **Qty** | **Unit price** | **Total price** |
|  | Non-Contact Voltage Detectors | pc | 05 |  |  |
|  | Portable Electrical Network Analyzers with data logger | pcs | 01 |  |  |
|  | Portable Digital multimeters | pcs | 05 |  |  |
|  | Circuit Load Testers | pcs | 05 |  |  |
|  | Electrical Outlet Testers | pcs | 05 |  |  |
|  | Digital calipers | pcs | 05 |  |  |
|  | Current clamp (AC / DC) (1000 A) | pcs | 05 |  |  |
|  | Current clamp (AC / DC) (200 A) | pcs | 05 |  |  |
|  | Data logger voltage and current | pcs | 05 |  |  |
|  | Photovoltaic simulation software | pcs | 01 |  |  |
| Total Price | | | | |  |
| Installation and Training | | | | |  |
| Other Charges (specify) VAT 18% | | | | |  |
| **Total Final and All-inclusive Price** | | | | |  |

**LOT 11**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Currency of the Quotation: Tanzanian Shillings (TZS/USD)**  **INCOTERMS: Delivery at place (DAP)** | | | | | |
| **Description** | **UOM** | **Qty** | **Unit price** | **Total price** | | |
| Climate chamber | pc | 01 |  |  | | |
| Digital manometers | pcs | 05 |  |  | | |
| Blower door | pcs | 01 |  |  | | |
| Duct Leakage Test | pcs | 01 |  |  | | |
| Portable Thermographic Cameras | pcs | 03 |  |  | | |
| Moisture Meters | pcs | 05 |  |  | | |
| Digital tachometers | pcs | 05 |  |  | | |
| Portable Stroboscopes | pc | 01 |  |  | | |
| Digital Room Thermometers and Hygrometers | pcs | 05 |  |  | | |
| Air Flow Meter | pc | 01 |  |  | | |
| Portable Ultrasonic Flowmeter | pc | 01 |  |  | | |
| Combustion analyser | pc | 01 |  |  | | |
| Portable digital infrared thermometers guns | pcs | 05 |  |  | | |
| Digital TDS Meters | pcs | 05 |  |  | | |
| Ultrasonic leak detector for compressed air installations | pc | 01 |  |  | | |
| Coolant temperature and flow indicator | pcs | 05 |  |  | | |
| Globe thermometer (TC type K) - for radiant heat | pcs | 02 |  |  | | |
| Heat flow sensor | pcs | 02 |  |  | | |
| Solar thermal simulation software | pc | 01 |  |  | | |
| Installation and Training | | | | |  |
| Other Charges (specify) VAT 18% | | | | |  |
| **Total Final and All-inclusive Price** | | | | |  |

**LOT 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Currency of the Quotation: Tanzanian Shillings (TZS/USD)**  **INCOTERMS: Delivery at place (DAP)** | | | | | |
| **Description** | **UOM** | **Qty** | **Unit price** | **Total price** | | |
| Laser Distance Meters | pcs | 05 |  |  | | |
| Electronic Distance Measuring Wheels | pcs | 02 |  |  | | |
| Digital Lux Meters | pcs | 05 |  |  | | |
| Energy Software for energy auditing in industries | pcs | 01 |  |  | | |
| Energy Software for energy management | pcs | 01 |  |  | | |
| Installation and Training | | | | |  |
| Other Charges (specify) VAT 18% | | | | |  |
| **Total Final and All-inclusive Price** | | | | |  |

**LOT 4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Currency of the Quotation: Tanzanian Shillings (TZS/USD)**  **INCOTERMS: Delivery at place (DAP)** | | | | | |
| **Description** | **UOM** | **Qty** | **Unit price** | **Total price** | | |
| Hard hats with LED lighting | pcs | 30 |  |  | | |
| Portable Telescoping ladders | pcs | 02 |  |  | | |
| Safety vests | pcs | 30 |  |  | | |
| Installation and Training (if any) | | | | |  |
| Other Charges (specify) VAT 18% | | | | |  |
| **Total Final and All-inclusive Price** | | | | |  |

**Compliance with Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **You Responses** | | |
| **Yes, we will comply** | **No, we cannot comply** | **If you cannot comply, pls. indicate counter - offer** |
| Minimum Technical Specifications |  |  |  |
| Delivery Term (INCOTERMS) |  |  |  |
| Delivery Lead Time |  |  |  |
| Warranty and After-Sales Requirements |  |  |  |
| Validity of Quotation |  |  |  |
| Payment terms |  |  |  |
| Other requirements *[pls. specify]* |  |  |  |

**Other Information:**

|  |  |
| --- | --- |
| Estimated weight/volume/dimension of the Consignment: |  |
| Country/ies of Origin:  (*if export licence required this must be submitted if awarded the contract*) |  |

|  |  |
| --- | --- |
| I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted. | |
| *Exact name and address of company*  Company Name …………………………………………….  Address: ………………………………………..  Click or tap here to enter text.  Phone No.: …………………………………………..  Email Address: …………………………………. | Authorized Signature:  Date: …………………………………….  Name: …………………………………..  Functional Title of Authorised  Signatory: ………………………………  Email Address: ………………………………………………… |