



REQUEST FOR QUOTATION (RFQ) (GOODS)

RFQ Reference: RFQ/TZA/2022/013	Date: 07 June 2022
---------------------------------	--------------------

UNDP kindly requests your quotation for **Supply and delivery 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:

DocuSigned by:
Jeremiah Mallongo
7F3433C567E347F...

Name: Jeremiah Mallongo

Title: Operations Manager

Date: **June 7, 2022**

DS
BJ

SECTION 2: RFQ INSTRUCTIONS AND DATA

Introduction	<p>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</p> <p>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.</p> <p>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.</p>
Deadline for the Submission of Quotation	<p>Thursday, June 16, 2022 at 10: 00 AM (GMT+3HRS)</p> <p>If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/.</p> <p>For eTendering submission - as indicated in eTendering system. Note that system time zone is in EST/EDT (New York) time zone.</p>
Method of Submission	<p>Quotations must be submitted as follows:</p> <p><input type="checkbox"/> E-tendering</p> <p><input checked="" type="checkbox"/> Dedicated Email Address</p> <p><input type="checkbox"/> Courier / Hand delivery</p> <p><input type="checkbox"/> Other Click or tap here to enter text.</p> <p>Bid submission address: tenders.tz@undp.org</p> <ul style="list-style-type: none"> 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: Supply and delivery 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. <p>[For eTendering method, click the link https://etendering.partneragencies.org and insert Event ID information]</p> <ul style="list-style-type: none"> Insert BU Code and Event ID number <p>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/</p>
Cost of preparation of quotation	<p>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.</p>
Supplier Code of Conduct, Fraud, Corruption,	<p>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</p> <p>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</p>

	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_an_dinvestigation.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	<p>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.</p> <p>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.</p> <p>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.</p>
General Conditions of Contract	<p>Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the General Conditions of Contract</p> <p>Select the applicable GTC:</p> <p><input checked="" type="checkbox"/> General Terms and Conditions / Special Conditions for Contract.</p> <p><input type="checkbox"/> General Terms and Conditions for de minimis contracts (services only, less than \$50,000)</p> <p><input type="checkbox"/> General Terms and Conditions for Works</p> <p>Applicable Terms and Conditions and other provisions are available at UNDP/How-we-buy</p>
Special Conditions of Contract	<p><input checked="" type="checkbox"/> Cancellation of PO/Contract if the delivery/completion is delayed by [21 working days after the PO is signed]</p> <p><input type="checkbox"/> Others [pls. specify]</p>
Eligibility	<p>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.</p> <p>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.</p> <p>Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative</p>
Currency of Quotation	Quotations shall be quoted in Tanzanian Shillings (TZS)
Joint Venture, Consortium	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

or Association	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 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: <input checked="" type="checkbox"/> be inclusive of VAT and other applicable indirect taxes <input type="checkbox"/> be exclusive 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: <input checked="" type="checkbox"/> Annex 2: Quotation Submission Form duly completed and signed <input checked="" type="checkbox"/> Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1; (MANDATORY) <input checked="" type="checkbox"/> Latest Business Registration Certificate; (MANDATORY) <input checked="" type="checkbox"/> Latest Internal Revenue Certificate / Tax Clearance; (MANDATORY) <input checked="" type="checkbox"/> Manufacturer's Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer) MANDATORY. <input type="checkbox"/> Certificate of Exclusive Distributorship in the country (if applicable, and if Supplier is not the manufacturer). <input type="checkbox"/> Evidence/Certification of Environmental Sustainability ("Green" Standards) of the Company or the Product being supplied. <input type="checkbox"/> Complete documentation, information and declaration of any goods classified or may be classified as "Dangerous Goods". <input type="checkbox"/> Patent Registration Certificates (if any of technologies submitted in the quotation is patented by the Supplier). <input checked="" type="checkbox"/> Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List. <input checked="" type="checkbox"/> Others Compliance to Technical specifications along with the proposal <input type="checkbox"/> 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	<input checked="" type="checkbox"/> Not permitted <input type="checkbox"/> Permitted Insert conditions for partial quotes and ensure that the requirements are properly listed in lots to allow partial quotes
Alternative Quotes	<input checked="" type="checkbox"/> Not permitted <input type="checkbox"/> 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	<input checked="" type="checkbox"/> 100% within 30 days after receipt of goods, works and/or services and submission of payment documentation. <input type="checkbox"/> Other Click or tap here to enter text.
Conditions for Release of Payment	<input checked="" type="checkbox"/> Passing Inspection [specify method, if possible] Complete Installation <input type="checkbox"/> Passing all Testing [specify standard, if possible] <input type="checkbox"/> Completion of Training on Operation and Maintenance [specify no. of trainees, and location of training, if possible] <input checked="" type="checkbox"/> Written Acceptance of Goods, Services and Works, based on full compliance with RFQ requirements <input type="checkbox"/> 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 30 May 2022
Evaluation method	<input checked="" type="checkbox"/> The Contract or Purchase Order will be awarded to the lowest price substantially compliant offer <input type="checkbox"/> Other Click or tap here to enter text.
Evaluation criteria	<input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1 <input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract <input checked="" type="checkbox"/> Comprehensiveness of after-sales services <input checked="" type="checkbox"/> Earliest Delivery /shortest lead time <input type="checkbox"/> Others Click or tap here to enter text.
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	<input checked="" type="checkbox"/> Purchase Order <input type="checkbox"/> Contract Face Sheet (Goods and-or Services) (this template is also utilised for Long-Term Agreement) and if an LTA will be signed, specify the document that will trigger the call-off. E.g., PO, etc.) <input type="checkbox"/> Contract for Works <input type="checkbox"/> Other Type/s of Contract [pls. specify]
Expected date for contract award.	20 June 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
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 . 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: SUPPLY AND DELIVERY OF LAB EQUIPMENTS FOR TIRDO

Technical Specifications for Goods:

A) DIT

CLIMATE CHAMBER¹ -1PC

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: $\pm 0.1... \pm 0.3$

Humidity range: 10...98%

Temperature range for climatic test: 10...95 oC

Maximum thermal load: 4500 W

Inspection window

UV lamp for ageing test

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 recordings (including live data)

Installation support and training on site at DIT

Online support for operation for at least 2 years

DIGITAL MANOMETERS – 5PCS

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

BLOWER DOOR – 1PC

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

DUCT LEAKAGE TEST – 1PC

This device detects leaking in ducts 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: $\pm 2.5\%$ of volume flow

EN12237 and EN1507

PORTABLE THERMOGRAPHIC CAMERAS – 3PCS

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: $-25\ldots 380^{\circ}\text{C}$

Accuracy: $\pm 1.5^{\circ}\text{C}$ for temperatures $50\ldots 100^{\circ}\text{C}$; up to $\pm 3^{\circ}\text{C}$ for $-25\ldots 50^{\circ}\text{C}$ and $100^{\circ}\text{C}\ldots 380^{\circ}\text{C}$

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

MOISTURE METERS – 5PCS

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 exceeded

Max penetration depth: 40 mm.

Operating temperature: $0\ldots 50^{\circ}\text{C}$

NON-CONTACT VOLTAGE DETECTORS -5PCS

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: $50\ldots 1,000$ V AC

LASER DISTANCE METERS -5PCS

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: $0\ldots 40^{\circ}\text{C}$

ELECTRONIC DISTANCE MEASURING WHEELS – 2PCS

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

HARD HATS WITH LED LIGHTING – 30PCS

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

PORTABLE TELESCOPING LADDERS -2PCS

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

PORTABLE ELECTRICAL NETWORK ANALYZERS WITH DATA LOGGER -1PC

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

DIGITAL LUX METERS -5PCS

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: $\pm 3\%$

Protection: CE

PORTABLE DIGITAL MULTIMETERS -5PCS

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

DIGITAL TACHOMETERS -5PCS

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

PORTABLE STROBOSCOPES -1PC

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

DIGITAL ROOM THERMOMETERS AND HYGROMETERS -5PCS

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
 Humidity range: 10...99%
 Temperature resolution: 0.1°C
 Humidity resolution: 1%

AIR FLOW METER -1PC

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

PORTABLE ULTRASONIC FLOWMETER -1 PC

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 be equipped with tablet with LCD capacitive touchscreen, Bluetooth technology, carry case, battery Lithium Ion, USB key (at least 1 GB of capacity)
Protection IP40

COMBUSTION ANALYSER -1PC

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, NO_x, 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

PORTABLE DIGITAL INFRARED THERMOMETERS GUNS-5PCS

This tool is used to deliver readings of surface temperatures of objects from distance.

Temperature range at least -30... 500 °C

Distance to spot ratio: 12:1

Hi-Lo alarm included

Emissivity: 0.95

DIGITAL TDS METERS -5PCS

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%

CIRCUIT LOAD TESTERS -5PCS

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

ELECTRICAL OUTLET TESTERS-5PCS

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

ULTRASONIC LEAK DETECTOR FOR COMPRESSED AIR INSTALLATIONS -1PC

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

Bandwidth: 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

COOLANT TEMPERATURE AND FLOW INDICATOR -5PCS

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

GLOBE THERMOMETER (TC TYPE K) - FOR RADIANT HEAT -2PCS

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

SAFETY VESTS -30PCS

100% polyester

high visibility of reflective material

washable and durable

At least 7 pockets

Compliance with EN ISO 20471 class 2 standards

DIGITAL CALIPERS -5PCS

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

Indicative unit price: EUR 50

CURRENT CLAMP (AC / DC) (1000 A) -5PCS

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

CURRENT CLAMP (AC / DC) (200 A) -5PCS

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

DATA LOGGER VOLTAGE AND CURRENT -5PCS

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

HEAT FLOW SENSOR -2PCS

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

PHOTOVOLTAIC SIMULATION SOFTWARE -1PC

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

SOLAR THERMAL SIMULATION SOFTWARE -1PC

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

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)	<input type="checkbox"/> Not applicable Shall be done by: <input type="checkbox"/> Name of organisation (where applicable) <input type="checkbox"/> Supplier/bidder <input checked="" type="checkbox"/> 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	1 year
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: 07 June 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?	<input type="checkbox"/> Yes <input type="checkbox"/> 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):	<input type="checkbox"/> Yes <input type="checkbox"/> 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):	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy)	<input type="checkbox"/> Yes <input type="checkbox"/> 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)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Is your company a member of the UN Global Compact	<input type="checkbox"/> Yes <input type="checkbox"/> 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	
<input type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	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 we have 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.
<input type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	Prohibitions, Sanctions: I/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.
<input type="checkbox"/>	<input type="checkbox"/>	Bankruptcy: I/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.

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Offer Validity Period: I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity.
<input type="checkbox"/>	<input type="checkbox"/>	I/We understand and recognize that you are not bound to accept any Quotation you receive, and we certify that the goods offered in our Quotation are new and unused.
<input type="checkbox"/>	<input type="checkbox"/>	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: 07 June 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: 07 June 2022

Currency of the Quotation: Tanzanian Shillings (TZS)					
INCOTERMS: Delivery at place (DAP)					
Item No	Description	UOM	Qty	Unit price	Total price
1.	CLIMATE CHAMBER -1PC	pcs	01		
2.	DIGITAL MANOMETERS	pcs	05		
3.	BLOWER DOOR	pcs	01		
4.	DUCT LEAKAGE TEST	pcs	01		
5.	PORTABLE THERMOGRAPHIC CAMERAS	pcs	03		
6.	MOISTURE METERS	pcs	05		
7.	NON-CONTACT VOLTAGE DETECTORS	pcs	05		
8.	LASER DISTANCE METERS	pcs	05		
9.	ELECTRONIC DISTANCE MEASURING WHEELS	pcs	02		
10.	HARD HATS WITH LED LIGHTNING	pcs	30		
11.	PORTABLE TELESCOPING LADDERS	pcs	02		
12.	PORTABLE ELECTRICAL NETWORK ANALYSERS WITH DATA LOGGERS	pcs	01		
13.	DIGITAL LUX METERS	pcs	05		
14.	PORTABLE DIGITAL MULTIMETERS	pcs	05		
15.	DIGITAL TACHOMETERS	pcs	05		
16.	PORTABLE STROBOSCOPES	pcs	01		
17.	DIGITAL ROOM THERMOMETERS AND HYGROMETERS	pcs	05		
18.	AIRFLOW METERS	pcs	01		
19.	PORTABLE ULTRASONIC FLOWMETER	pcs	01		
20.	COMBUSTION ANALYSER	pcs	01		
21.	PORTABLE DIGITAL INFARED THERMOMETERS GUNS	pcs	05		
22.	DIGITAL TDS METERS	pcs	05		
23.	CIRCUIT LOAD TESTERS	pcs	05		
24.	ELECTRICAL OUTLET TESTERS	pcs	05		
25.	ULTRASONIC LEAK DETECTOR FOR COMPRESSED AIR INSTALLATIONS	pcs	01		
26.	COOLANT TEMPERATURE AND FLOW INDICATOR	pcs	05		
27.	GLOBE THERMOMETER (TC TYPE K) - FOR RADIANT HEAT	pcs	02		
28.	SAFETY VESTS	pcs	30		
29.	DIGITAL CALIPERS	pcs	05		
30.	CURRENT CLAMP (AC / DC) (1000 A)	pcs	05		
31.	CURRENT CLAMP (AC / DC) (200 A)	pcs	05		
32.	DATA LOGGER VOLTAGE AND CURRENT	pcs	05		
33.	HEAT FLOW SENSOR	pcs	02		
34.	PHOTOVOLTAIC SIMULATION SOFTWARE	pcs	01		
35.	SOLAR THERMAL SIMULATION SOFTWARE	PC	01		

Total Price	
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	<input type="checkbox"/>	<input type="checkbox"/>	
Delivery Term (INCOTERMS)	<input type="checkbox"/>	<input type="checkbox"/>	
Delivery Lead Time	<input type="checkbox"/>	<input type="checkbox"/>	
Warranty and After-Sales Requirements	<input type="checkbox"/>	<input type="checkbox"/>	
Validity of Quotation	<input type="checkbox"/>	<input type="checkbox"/>	
Payment terms	<input type="checkbox"/>	<input type="checkbox"/>	
Other requirements <i>[pls. specify]</i>	<input type="checkbox"/>	<input type="checkbox"/>	

Other Information:

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

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.

<i>Exact name and address of company</i> 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:
----------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------