

INVITATION TO TENDER



Implemented by:
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

SUPPLY OF PRODUCTION EQUIPMENT

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) intends to tender for the Supply of Production Equipment.

The GIZ Office Accra now invites tenderers to submit, free of charge and without obligation on the part of GIZ, a tender based on the following terms and conditions. Non-conformity with all conditions mentioned could lead to the exclusion of the bid.

Tenders should be valid for a period of **three (3) months** after the deadline of Tender submission.

Prices shall be fixed prices. Prices shall be free of VAT and other public charges. Prices shall be quoted in Ghana Cedis.

All interested suppliers are required to submit **a letter, a company profile, and their quotes** according to the specifications below, to the GIZ Office Accra to indicate their interest to participate in the tender not later than **13th May 2024**.

Item	Description	Qty
DR1900 Portable Spectrophotometer	<ol style="list-style-type: none"> Cuvette Compatibility 2: 10 mm square / 1 inch square and 13 mm / 16 mm / 1 inch round Data Logger: 500 measured values (Result, Date, Time, Sample ID, User ID acc. to GLP) Detector: Silicon photodiode Display: LCD Enclosure Rating: IP67 Interface: USB type Mini IP67 (with USB + Power Module) Photometric Accuracy: ± 0.003 Abs @ 0.0 - 0.5 Abs Photometric Linearity: < 0.5 % (0.5 - 2.0 Abs) Photometric Measuring Range: 0 - 3 Abs (wavelength range 340 - 800 nm) Reproducibility: ± 0.005 Abs (0 - 1 A) Stray Light: < 0.5 %T at 340 nm with NaNO₂ Wavelength Accuracy: ± 2 nm (range 340 - 800nm) Wavelength Calibration: Automatic Wavelength Range: 340 - 800 nm or better Wavelength Selection: Automatic Battery Powered 	6 Pieces
Front Loading Laboratory Sterilizing Autoclave	<ol style="list-style-type: none"> 316 Litres stainless steel electropolished chamber FDA 21 CFR part 11 compliant software Cooling Lock Password levels for user access control Hold warm / Delayed Start feature. CAT III (BSL3) Compliance Fully programmable Color Touch Screen controller with integrated USB data port Auto rain and Drain Cooling heaters in chamber. Ethernet or Wi-Fi interface for Remote maintenance/diagnosis Castor Wheels Included Heated Jacket Integral data Scientific printer IQ/OQ documentation Steam generator in chamber. Water softener Safety: over-temperature protection, an external pressure gauge, a cooling lock, a safety valve test program and an emergency stop button A validation port, drain valve and an electropolished stainless steel chamber 	2 Pieces
Portable Water Purification Machine	<ol style="list-style-type: none"> Able to produce two Water quality ranges: 1-10MΩ.cm and 18.2MΩ.cm UV LED disinfection incorporated within the dispense head Dispense rate of up to 2 litres/min Water quality parameters, TOC, MΩ.cm, ΩC and flowrate displayed RO Removes > 98% minerals and > 99% bacteria LCD colour touch screen panel Visual and audible alarms included Utilises carbon pre-treatment, Reverse Osmosis (RO) and deionisation USB port to download event data and upload software updates Semi-automatic clean cycle WiFi enabled for remote monitoring and operation Reverse Osmosis (RO) Boost pump fitted 5000m.wt cut off internal ultrafiltration for endotoxin, RNase/DNase removal Dual wavelength (185nm/254nm) UV irradiation Integral Total Organic Carbon(TOC) indicator 	5 Pieces

Laboratory and Industrial Constant Climate Chamber	<ol style="list-style-type: none"> 384 litre capacity Grid style shelves Temperature range of 0° to 70° or higher Humidity range 10% to 90% or higher Dual display (graphical displays, USB port for data analysis, remote bespoke programming, user ID security features, heat balance and under and over temperature protection) Structured stainless-steel housing with scratch-resistant, robust and durable surface Internal data logger with storage capacity of at least 10 years Digital timer Sealed chamber Internal LED lighting modules Compressed air dehumidification Standard or bespoke position access port holes Performance qualification including temperature mapping 	2 Pieces
HT200S High temperature thermostat	<ol style="list-style-type: none"> Display type:LCD Heating programmes included Heating rate:from 20 °C to 148 °C in 8 minutes or less minutes Max. operating humidity:90 % Number of cuvettes:12 x 20 mm diameter Safety checks:CE, GS Temperature stability:± 1 °C in conformity with EN, ISO, EPA methods Automatic fast cooling Analysis of Chemical Oxygen Demand, Total Nitrogen(TN_b), Total Phosphorus(P_{tot}) and heavy metals 	3 Pieces
Precision Balance PR223/E 220g x 0.001g	<ol style="list-style-type: none"> Maximum Capacity 220 g Readability 0.001 g Draftshield Included Communication RS232 Display LCD with backlight Linearity ± 0.002 g User selectable data printing and format External calibration with user specified span calibration points. Auto tare and auto dimming. Software and calibration lock Integral security lock slot (for Kensington style locks) Up-front level indicator helps ensure balance is level Durable construction with ABS housing and stainless-steel weighing pan connectivity for data transfer and storage, and internal calibration Stabilization Time 2 s Units of Measurement Milligram; Pennyweight; Ounce Troy; Newton; Taiwan Tael; Gram; Kilogram; Grain; Pound; Ounce; Carat; 	5 Pieces

Vendors should provide the following documents.

- **Signed Letter of Bid and Company Profile**
- **Priced Quotation (to the Required Specification)**
- **Tax Clearance Certificate**
- **Business Registration Certificate**
- **VAT Registration Certificate**
- **SSNIT Clearance Certificate**
- **Data Sheet of equipment**
- **12 Months Warranty on items**

Delivery period must be indicated.

PLEASE NOTE:

THE CURRENCY OF YOUR OFFER SHOULD BE IN GHANA CEDIS

Tenders should be sealed and marked as.

Tenders Number: 19.4933.8-005.00 / Supply of Production Equipment.

Tenders should be addressed according to the tender number.

The Procurement Unit
GIZ Office
Tender No.
P.O. Box KA 9698

Accra Office Location: **No.7 Volta Street, Airport Residential Area, Accra**

Not later than 13th May 2024.