

INVITATION TO TENDER



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

SUPPLY OF PRODUCTION EQUIPMENT FOR SMES UNDER THE LIVELIHOOD ENHANCEMENT PROGRAMME

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 January 2025**

Item	Description	Qty
Cereal Milling Machine	<p>1. Milling Principle:</p> <ul style="list-style-type: none"> Type: 2D hammer mill for optimized grinding using high-speed rotating hammers to crush materials against a screen. <p>2. Design Features:</p> <ul style="list-style-type: none"> Bi-directional inlet flow director and rotor for optimal hammer usage on all sides. Rotor machined from a single steel part. Frequency-controlled main drive. Sieve positioned above the hammer mill with a hopper below. Integrated aspiration system with: <ul style="list-style-type: none"> Filter in the hopper for reduced contamination. Separate filter for efficient cleaning. Air flow valve for easier filter maintenance. <p>3. Safety and Monitoring:</p> <ul style="list-style-type: none"> CE and ATEX certified for safety regulations. Automatic cleaning air filter and fan. Temperature monitoring for the grinding chamber and bearings. <p>4. Performance:</p> <ul style="list-style-type: none"> Max input material dimensions: 20 x 20 mm. Hammer dimensions: 150 x 50 x 6 mm. Hammers arranged in 4 rows around the rotor, totalling 272 hammers. 4 interchangeable screens for varying particle sizes. Magnetic separator with a collecting bin for automatic removal of ferrous contaminants. Automatic magnet cleaning feature. <p>5. Suitable for milling of cereals such as maize</p>	1 Piece
Automatic Weighing and Packaging Machine	<ol style="list-style-type: none"> Servo Motor driven bag length control system Belt draw-off system for positive and accurate film pulling Pneumatic / Servo Motor driven system for horizontal sealing mechanism Motorized precise film reel unwinding mechanism Print mark scanner Static charge eliminator Adjustable stroke of cross sealing jaws for optimum performance Quick & easy size change over Designed as per stringent quality standards Integration to upstream and downstream machines / systems Built-in Jumbo Roll Trolley suitable for max. 600 mm Automation equipped with CE Marked PLC controller & Touch Screen HMI Bagger Speed (Upto): 80 packs / min. Quantity : Up to 10 kg (100cc to 20,000cc) Pack Size Range Min. Pouch Size (WxL) Paper Pulling Mechanism: Belt Draw-off System Packaging Material: Heat sealable laminate or Co-ex films Heat System: Constant / Impulse Seal System Supply Voltage: 415 hAC, 3 phase, 50Hz Connected Load: 4 kW Air Consumption: 35 meter/hr @ 6 bar <p>Suitable for packaging liquids, paste products, spices, powders etc.</p>	1 Piece

Sealing and Packaging Machine	<ol style="list-style-type: none"> Print and Packaging Features: <ul style="list-style-type: none"> Print Mark Scanner Date Batch Coder Inert Gas Flushing System Online Check Weigher & Metal Detector Pouch Take-up Conveyor Product Feed Conveyor Pin Prick Assembly Platform for Filler Side Gusset Mechanism Design and Construction: <ul style="list-style-type: none"> Compact and Versatile Design Pneumatically Operated Horizontal & Vertical Sealing System Servo Motor Driven Belt for Paper Pulling Built-in Safety Door Guards with Machine Interlock AC Geared Motor with VFD for Paper Unwind Optimized Paper Path for Smooth Operation Aesthetically Enhanced Machine for Improved Safety Modular Construction with Small Footprint Low Operational Cost (Reduced Space, Manpower, and Energy Consumption) Capable of Producing Single or Perforated Pouches in Chains Pack Styles & Sizes: <ul style="list-style-type: none"> Pack Styles: CSPP, CSGP Pack Size (CSPP/CSGP): <ul style="list-style-type: none"> Minimum: 35 mm (W) x 50 mm (H) Maximum: 200 mm (W) x 310 mm (H) CSGP Packs: Suitable for Above 100 pouches per chain Packing Materials: <ul style="list-style-type: none"> PET Poly / MET PET Poly Film Thickness: 60 to 100 microns Roll Specifications: <ul style="list-style-type: none"> Maximum Roll Size: 420 mm (Width) x 400 mm (Diameter) Maximum Roll Weight: 40 kg Performance and Consumption: <ul style="list-style-type: none"> Packing Speed: 100 packs/min (Dry run) Air Consumption: 16.5 CFM Electrical Connected Load: 4 kW Electrical Consumption: 3 kW Suitable for packaging liquids, paste products, spices, powders etc. 	1 Piece
Peanut Butter Sachet Packaging Machine	<ol style="list-style-type: none"> Twin Servo pneumatic piston filler suitable for free flow liquids & viscous products Pack Quantity Range: 200 ml. - 1000 ml. Pack Format/style: Centre seal pillow pack. Packing Material Co-extruded Virgin LDPE material of recommended thickness Accuracy (+/-) : 3 to 5 ml User friendly touch screen panel/HMI of 10" Product Quantity & Heat Setting in running mode through HMI offers operation friendliness Automatic web tracking system to monitor lateral film movement of film without manual interference Servo motor controlled precise bag length control mechanism Servo motor driven sealing mechanism Tool less changeover through preset recipes on HMI Jumbo roll trolley with hygienic enclosure for increased productivity End of film roll with interlock - machine to parking mode Motorized film reel unwinding control mechanism Product contact parts from SS 304 On line UV film sterilization of packing material Panel door interlocks to meet safety norms Extended SS legs for cleaning friendliness of floor at machine bottom CE compliant machine construction <p>Suitable for packaging Products like Free liquids or Viscous products such Peanut Butter.</p>	1 Piece

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Juice Pasteuriser	<ol style="list-style-type: none"> 1. Capacity: <ul style="list-style-type: none"> • Up to 1000 liters per hour 2. Pasteurization Process: <ul style="list-style-type: none"> • High-Temperature Short-Time (HTST) method. • Rapid heating and cooling cycle to ensure effective pasteurization. • Uses a high-pitch plate heat exchanger in two or three stages: • Regeneration Stage: Preheating the incoming juice using the heat from the pasteurized product, optimizing energy use. • Pasteurizing Stage: Rapid heating of juice to a temperature between 72°C to 95°C for effective pasteurization. • Chilling Stage: Quick cooling of the pasteurized juice to maintain quality and extend shelf life. 3. Temperature Range: <ul style="list-style-type: none"> • Pasteurization temperature: Typically 72°C to 95°C (depending on the product being processed). • Cooling temperature: Can be adjusted according to product requirements 4. Heating Method: <ul style="list-style-type: none"> • Direct steam injection or indirect heat exchanger systems. 5. Control System: <ul style="list-style-type: none"> • Automatic temperature and flow control with digital display. • Programmable settings for different products. • Electronic control and recording of all process variables • a circular recorder for the pasteurisation temperature, • an electronic pasteurisation temperature regulator • an electronic juice output temperature indicator made of stainless steel • IP65 certified 6. Construction Material: <ul style="list-style-type: none"> • Made of stainless steel (AISI 304 or AISI 316) 7. Built-In CIP System: <ul style="list-style-type: none"> • Product pump with hot water and built-in CIP cleaning system, level and temperature probes, product visor and pipes to maintain the treatment temperature 8. Juice reception tank <ul style="list-style-type: none"> • AISI 304, 80 l capacity, CIP Ready 9. Final product tank <ul style="list-style-type: none"> • AISI 304, 1.000 l capacity, CIP Ready (supplied with stirrer) 10. Butterfly and pneumatic valves <ul style="list-style-type: none"> • AISI-316 11. Plate exchanger for juices <ul style="list-style-type: none"> • pulp content ≤10%, AISI-316 <p>Suitable for Pasteurization juices from oranges etc.</p>	1 Piece
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Tenderers will be required to provide the following:

- **Signed Letter of Bid and Company Profile**
- **Priced Quotation (to the Required Specification)**
- **Tax Clearance Certificate**
- **Business Registration Certificate**
- **Declaration of Business Ownership by General Manager (3) (Inclusion of Form A for Sole Proprietorship or Form 3 for Limited Liability)**
- **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

Two copies of Tender documents must be submitted

Tenders should be sealed and marked as.

Tenders Number: 91185591 / 19.4933.8-005.00 / SUPPLY OF PRODUCTION EQUIPMENT FOR SMES UNDER THE LIVELIHOOD ENHANCEMENT PROGRAMME

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 January, 2025