

## INVITATION FOR BIDS

### Supply and Delivery of Plumbing Tools & Fittings

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is a German federal enterprise which offers workable, sustainable and effective solutions and systems for efficient service delivery. Most of GIZ's work is commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ).

GIZ is hereby inviting suitable bids from established firms for Supply and Delivery of Plumbing Tools and fittings on **DDP** basis in Choma, Kabwe and Chipata Districts.

#### LOT 1

| SN | DETAILED SPECIFICATIONS                                                                                                                                                                                                                                                      | QUANTITY | DESTINATION |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|
| 1  | Industrial Jack Hammer Gasoline powered:<br>Built in 4-stroke internal combustion engine.<br>• 2500 watts power rating<br>• Impact Rate: 1,000 and 2,000 Blows Per Minute (BPM).<br>• Shank Sizes: Hex sizes (28/32 x 152 mm) for heavy duty.<br>• Weight: ~20–30 kg         | 1        | Choma       |
| 2  | 4" Diesel-Propelled Dewatering Pump<br>Complete with 30m suction hose and 10m delivery hose. Inlet and outlet size: 4"; Rating: 7-8kW; Self-priming; Head: 30-45m; fuel capacity: 5-6.5 litres; complete with strainer and 75mm Suction and Discharge hoses.                 | 1        |             |
| 3  | Set of Mechanical Bearing Pullers<br>(1No. x 2-pronged x 170, 1No. x 3-pronged x 185, 1No. x 3-pronged x 230, 1No. x 3-pronged x 300)                                                                                                                                        | 2        |             |
| 4  | Jetting Machine, Trolley Mounted<br>Engine: 12 to 14hp Petrol Engine, Start Type: Recoil/Pull Start<br>Fuel Tank Capacity (Litres): 6 L<br>Water Displacement (Litres Per Minute): 15 to 20Ltr / Minute<br>Rated Pressure: 200 to 250 Bar<br>Pipe/Hose Length (Meters): 50 m | 1        |             |
| 5  | 9" Heavy Duty Angle Grinder<br>Grinder 9" 3000w input power 230mm Disk 6300 RPM                                                                                                                                                                                              | 2        |             |
| 6  | Transportation of tools to Southern Water and Sanitation Head Office - Choma                                                                                                                                                                                                 | 1        |             |

**LOT 2**

| SN | DETAILED SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                            | QUANTITY | DESTINATION |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|
| 1  | Acoustic Leak Detector<br>Frequency range: 50 Hz – 5000 Hz (adjustable filters)<br>Sensitivity adjustment (manual + automatic)<br>Display: LCD with signal strength & noise graph<br>Headphones: Noise-cancelling<br>Battery: Rechargeable ≥10 hours<br>Output: Audio + visual leak intensity<br>Includes: Ground microphone, extension rods, carrying case<br>Digital signal processor (DSP) with noise filtering | 1        | Kabwe       |
| 2  | Listening Sticks<br>Length: 1.2 m – 1.5 m<br>Material: Stainless steel probe + aluminium shaft<br>Replaceable hardened tip<br>Internal sound transmission rod<br>Suitable for valves, meters, hydrants                                                                                                                                                                                                             | 1        |             |
| 3  | Pressure Data Loggers<br>Range: 0–16 bar (minimum)<br>Accuracy: ±0.25% (improved from ±0.5%)<br>Logging interval: 1 sec – 24 hr<br>Memory: ≥500,000 readings<br>Protection: IP68 waterproof<br>Battery: ≥12 months<br>Communication: USB + Bluetooth<br>Thread: ½” BSP                                                                                                                                             | 2        |             |
| 4  | Data Loggers<br>Channels: 4-channel minimum<br>Compatible with pressure & flow sensors<br>Memory: ≥500,000 readings<br>Real-time monitoring capability<br>Software: Export to Excel/CSV<br>Battery: ≥6–12 months                                                                                                                                                                                                   | 3        |             |
| 5  | GPS Handheld Device<br>Accuracy: ≤3 meters (GNSS enabled)<br>Supports: GPS, GLONASS<br>Battery: ≥15 hours<br>Storage: ≥8GB internal + SD card<br>GIS compatibility (QGIS/ArcGIS)<br>Rugged (IP67 minimum)                                                                                                                                                                                                          | 1        |             |
| 6  | Pipe Locator<br>Detection depth: ≥5 meters<br>Active frequencies: multiple (512Hz–33kHz)<br>Passive detection (power/radio)<br>Depth measurement display<br>Includes transmitter + receiver + clamps                                                                                                                                                                                                               | 1        |             |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|
| 7  | <p>Standard Plumbing Toolbox, Complete with Tools,<br/>Standard Heavy-Duty Plumbing Toolbox including:<br/>Combination spanner set: 10mm, 12mm, 14mm,<br/>17mm, 19mm, 22mm, 24mm, 27mm, 30mm,<br/>32mm, 36mm<br/>Adjustable spanners: 8", 10", 12", 18"<br/>Pipe wrenches: 10", 12", 14"<br/>Pliers: 4", 6", 8", 10"<br/>Tongue &amp; groove pliers: 8", 10", 12", 18"<br/>Screwdriver set: 6 pieces (flat &amp; Phillips)<br/>Metal file set: 5 pieces<br/>Ratchet spanner set: 10mm–24mm<br/>Claw hammer: 16 oz 2 lb hammer 12"<br/>hacksaw frame with blades<br/>Pipe cutter<br/>5m measuring tape<br/>Allen key set: 2mm–10mm</p>                                                                                                                                                                                                                                                                                                                                                     | 3 |  |
| 8  | <p>Picks with handles<br/>Steel head, 2.5–3.5 kg, Heavy duty Picks with<br/>Handles; with forged manganese steel pick head<br/>and wooden handle; overall handle length 36" to<br/>38"</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4 |  |
| 9  | <p>Shovels with steel handles<br/>Heavy duty scoop Shovels with steel handles; with<br/>high strength carbon steel head; 41" to 48" steel<br/>handle</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 |  |
| 10 | <p>Portable water meter testing kit<br/>Suitable for testing DN15–DN25 domestic water<br/>meters. Accuracy: <math>\pm 2\%</math> or better.<br/>Flow measurement capability for low, medium, and<br/>high flow tests.<br/>Measuring/display range: 1–100 Litres/minute<br/>minimum.<br/>Portable bench/frame design complete with<br/>calibrated reference meter, hoses, valves,<br/>connectors, pressure gauge, control valve, and<br/>digital/mechanical display unit.<br/>Suitable for field and workshop testing.<br/>Measuring/display range: 1–120 Litres/minute<br/>minimum.</p>                                                                                                                                                                                                                                                                                                                                                                                                   | 1 |  |
| 11 | <p>Repair Clamps/Wider range couplings<br/>1 Set, <math>\geq 16</math> bar rating, corrosion resistant<br/>Pressure rating: <math>\geq 16</math> bar (PN16 minimum)<br/>Type: Wide range universal coupling (full<br/>circumferential repair clamp)<br/><br/>Compatibility: Suitable for use on the following<br/>pipes materials - AC, PVC, uPVC, DI, Steel<br/>Stainless steel (Grade 304 or 316)<br/>Bolts &amp; nuts: Stainless steel, anti-corrosion coated<br/>Gasket: EPDM rubber (suitable for potable water)<br/>Design: Multi-bolt design for uniform sealing<br/>Flexible tolerance for pipe Outer Diameter<br/>variations<br/>Installation: Suitable for live leak repair without<br/>pipe removal<br/>Coupling Sizes and Quantities<br/>1. Compression couplings 50mm x 50<br/>2. Wider range couplings 75mm x 20<br/>3. Wider range couplings 110mm x 20<br/>4. wider range couplings 150mm x 20<br/>5. Wider range couplings 200mm x 10<br/>6. Repair clamps 110mm x 5</p> | 1 |  |

|    |                                                                              |   |  |
|----|------------------------------------------------------------------------------|---|--|
|    | 7. Repair clamps 150mm x 5<br>8. Repair clamps 200mm x 5                     |   |  |
| 12 | Transportation of tools to Lukanga Water and Sanitation Head Office in Kabwe | 1 |  |

### LOT 3

| SN | DETAILED SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QUANTITY | DESTINATION |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|
| 1  | Portable Water Meter Test Kits<br>For testing ½" to 1" water Meters. Self contained with all control valves, hose connections, fittings and pressure gauges permanently installed. Case built to MIL- C-4150 J Spec. Accessories: 2" pressure gauge, 2 x¾" Reinforced flexible hoses, Fittings for connection to ½" to up to 1" meters, Test ring to allow starting all tests at Zero, Complete operating instructions. Operating range 1.0 -95 litres per minute. Overall accuracy 100%+/- 1.5%. | 1        | Chipata     |
| 2  | 12" Heavy Duty Pipe Wrenches<br>12"Pipe Wrench Rigid Heavy-duty rigid type pipe wrench suitable for plumbing and mechanical maintenance. Body made from high-grade cast iron or aluminium alloy. Forged and heat-treated alloy steel jaws with replaceable serrated teeth. Ergonomic non-slip handle. Adjustable knurled nut. Corrosion-resistant coating.                                                                                                                                        | 16       |             |
| 3  | 14" Heavy Duty Pipe Wrenches<br>14"Pipe Wrench Rigid Heavy-duty rigid type pipe wrench suitable for plumbing and mechanical maintenance. Body made from high-grade cast iron or aluminium alloy. Forged and heat-treated alloy steel jaws with replaceable serrated teeth. Ergonomic non-slip handle. Adjustable knurled nut. Corrosion-resistant coating.                                                                                                                                        | 16       |             |
| 4  | 18" Heavy Duty Pipe Wrenches<br>18"Pipe Wrench Rigid Heavy-duty rigid type pipe wrench suitable for plumbing and mechanical maintenance. Body made from high-grade cast iron or aluminium alloy. Forged and heat-treated alloy steel jaws with replaceable serrated teeth. Ergonomic non-slip handle. Adjustable knurled nut. Corrosion-resistant coating.                                                                                                                                        | 16       |             |
| 5  | 24" Heavy Duty Pipe Wrenches<br>24"Pipe Wrench Rigid Heavy-duty rigid type pipe wrench suitable for plumbing and mechanical maintenance. Body made from high-grade cast iron or aluminium alloy. Forged and heat-treated alloy steel jaws with replaceable serrated teeth. Ergonomic non-slip handle. Adjustable knurled nut. Corrosion-resistant coating.                                                                                                                                        | 8        |             |
| 6  | 24 oz Ball Pin Hammers<br>24 oz Drop-forged high carbon steel head with wooden handles.                                                                                                                                                                                                                                                                                                                                                                                                           | 7        |             |
| 7  | 18mm HD Chisels<br>18 mm, Heavy Duty, Chrome Vanadium Steel                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8        |             |
| 8  | Diesing Machines<br>Box to have: ½",¾",1",1¼" Manual Diesing Blocks                                                                                                                                                                                                                                                                                                                                                                                                                               | 2        |             |

|   |                                                                                |   |  |
|---|--------------------------------------------------------------------------------|---|--|
| 9 | Transportation of tools to Eastern Water and Sanitation Head Office in Chipata | 1 |  |
|---|--------------------------------------------------------------------------------|---|--|

### **Selection Criteria:**

To qualify for consideration in the tender procedure, interested companies/firms are required to submit the following information and documents for eligibility assessment:

- Tax Clearance Certificate (TCC) and confirm **NO** ongoing litigation.
- Company profile and legal documents with a turnover of ZMW K600,000.00 or more for the past financial year.
- Offer validity for 90 days.
- Prices should be quoted in (ZMW) Zambian Kwacha **ONLY**
- GIZ is VAT exempt.
- List of similar orders executed in the past.
- Data sheets / photos must be submitted

### **Submission Details:**

- Cover letter with offer summary.
- Company details: Brief description of the company including copies of registration documents (physical address, contact details, etc.).
- Delivery Period

Bidders must comply with the Value Added Tax (VAT) regulations as stipulated by the Zambia Revenue Authority (ZRA) Specifically:

- Bidders with an annual taxable turnover exceeding ZMW 800,000 or a taxable turnover exceeding ZMW 200,000 in any three-month period are required to be VAT-registered and must issue electronic invoices through the ZRA's Smart Invoice system.
- Bidders below these thresholds are not mandated to register for VAT but may do so voluntarily.
- Compliance with these requirements is essential for participation in this procurement process.

### **How To Submit:**

The number of pages of all submission documents shall not exceed 50 pages. External content (e.g., links to websites) will not be considered, the size limit of the attachment is 30MB.

**Local** bidders must submit their bids indicating the full specifications and delivery period via email: **zm\_quotation@giz.de** with the subject line **"15.07.2026\_Plumbing Tools\_7000015156/29120"**.

The closing date for handing in the **BIDS** is **Wednesday 15<sup>th</sup> July 2026 at 13:00hrs**.

For further clarification interested parties may send enquiries to: **zm\_inquiry@giz.de**

GIZ Zambia may request for necessary and/or more information during the evaluation.

### **Important Note.**

Due to war caused by Russia in Ukraine the German Federal Office for Security in Information Technology (BSI) has added **Kaspersky** antivirus software to its list of communications equipment and services that are deemed to pose an unacceptable risk to the national security. **Kaspersky's** virus protection software is to be replaced with alternative products. It means, in case a bidder offers **Kaspersky's** virus protection software, this offer will be excluded as technically not suitable.

Before entering into any contract, GIZ reserves the right to ascertain the origin of the goods offered. This assessment will be conducted to ensure compliance with embargoes and other

trade restrictions in place within the scope of GIZ's due diligence. This is particularly true of the EU sanctions against Russia, Belarus, Crimea and the affected parts of Eastern Ukraine [1] currently in place (primarily the EU Council Regulations No.: 833/2014 and 765/2006).

By submitting their bid, the bidder undertakes towards GIZ the responsibility that in the event of a probable award, the bidder will provide all necessary support to enable GIZ to ensure compliance with the sanction's regime – this assurance is thus given prior to the award of any contract. This includes in particular the obligation, if so, requested by GIZ, to complete a self-declaration to determine the origin of the goods offered and/or to provide GIZ with the required evidence of the origin of such goods. Should the bidder fail to meet these obligations or fail to do so within a reasonable period of time, this can result in their bid being excluded.

A contract can only be awarded on completion of this assessment of the origin of the goods offered. Should this check give grounds for concern or reveal facts that constitute a contractual impediment, GIZ shall inform the bidder without delay. GIZ shall also reserve the right in such cases to award the contract to the next-ranked bidder in the competitive tender procedure.

#### **GIZ Procurement Unit**