

DESCRIPTION	JOB DESCRIPTION
<p>RFQ TO APPOINT SERVICE PROVIDER FOR SUPPLY, INSTALL, AND TWELVE (12) MONTHS MAINTENANCE OF WATER CONNECTION SYSTEM FROM BOREHOLE TO BUILDING A AND BUILDING B</p>	<p>The purpose of this Request for Quotation (RFQ) is to appoint a suitably qualified and experienced service provider to supply, install, and maintain the water connection from the borehole to Building A and Building B.</p> <p>The Scope of Work will be as follows:</p> <p>1. The Existing Borehole Pumping System Verification of existing borehole yield and static/dynamic water levels Supply and installation of a submersible borehole pump sized to meet building demand. Installation of: Rising main pipework (HDPE / uPVC as specified) Non-return valve and isolating valve Electrical cabling from the pump to the control panel Installation of a pump control panel, including: Overload protection. Dry-run protection Phase protection (where applicable)</p> <p>2. Pipeline Installation (Borehole to Building) Trenching along the approved route from the borehole to the building Supply and installation of underground water reticulation pipeline. Proper pipe bedding, backfilling, and compaction. Installation of: Isolation valves Pressure control valve (if required) Pipe sleeves at road crossings and building entry points. Reinstatement of disturbed surfaces.</p> <p>3. Water Storage Supply and installation of 2x 20,000L jojo water storage tanks (ground or elevated) Construction of base or support structure, required Installation of: - Inlet, outlet, overflow, and scour pipes</p>

- Automatic float valve
- Cleaning and disinfection of tanks before commissioning

4. Water Treatment and Filtration System

To ensure water is safe for human consumption:

Installation of a multi-stage water treatment system, including:

- Sediment filtration
- Activated carbon filtration
- UV disinfection and/or chlorination system
- Provision for dosing equipment if required by water quality results
- All treatment components to be approved for potable water use.

5. Water Quality Testing (Potability Testing)

- Collection of water samples by a SANAS-accredited laboratory
- Laboratory testing in accordance with SANS 241 Drinking Water Standard, including:
 - Microbiological analysis (e.g., E. coli, total coliforms)
 - Chemical analysis (e.g., nitrates, fluorides, heavy metals)
 - Physical analysis (e.g., turbidity, colour, pH)
- Submission of official test reports with compliance results
- Re-testing after treatment installation, where required.

6. Connection to Building Plumbing System

Connection from the borehole supply to the building's internal water system

Installation of:

- Bulk water meter
- Backflow prevention device
- Pressure-reducing valve
- Integration with municipal supply (if applicable), including change-over arrangements.

7. Electrical Works

- Electrical connection from the main DB to the pump control panel
- Earthing and surge protection
- Compliance with relevant electrical standards and regulations

8. Testing, Commissioning, and Disinfection

- Pressure testing of all pipelines
 - Flushing and disinfection of pipework and storage tanks
- Operational testing of:
- Pump

	<ul style="list-style-type: none"> - Control panel - Filtration and disinfection systems - Final potable water quality confirmation <p>9. Company Experience and Key Technical Personnel</p> <ul style="list-style-type: none"> - The Bidding Company must have a minimum of five (5) years of plumbing operational experience (submit a company profile). - Submit a minimum of three (3) reference letters or project completion certificates of similar plumbing work (borehole connection and related systems). - Submit a Valid CIDB Certificate (CIDB Grading: 3SO or higher) <p>Key Project Personnel</p> <p>A. Qualified Plumber: A minimum of five (5) years plumbing experience acquired post Trade Certification. Attach the Plumber’s CV and Trade Certificate.</p> <p>B. Qualified Plumber Assistant: A minimum of two (2) years plumbing experience acquired post Trade Certification. Attach the Assistant Plumber’s CV and Trade Certificate.</p> <p>C. Qualified Electrician: A minimum of three (3) years Electrical experience acquired post Trade Certification. Attach the Electrician’s CV and Trade Certificate.</p> <p><i>- All Bidders must submit their proposal together with the above required documents listed on Item 9. Failure to submit the above documents will render your submission disqualified.</i></p> <p>#NB. COMPULSORY SITE VISIT</p>
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Signature

19 June 2026

Date