UMASIPALA WASOLUNDI

" The City of Heritage "

ULUNDI MUNICIPALITY

QUOTE NO: 17/2023/2024

REQUEST FOR FORMAL WRITTEN QUOTATIONS

Bids are hereby invited from suppliers registered on the Ulundi Municipality supplier database for the **Provision of Servicing and Maintenance of Switch Gears and BTU Replacement** as per the attached specification.

The quotation must be submitted on the letterhead of your enterprise in a clearly indicating the quote number addressed to reach us by not later than **03 July 2025 at 12h00 midday.**

Only service providers registered in Bid no. **17/2023/2024 Panel of service providers that have capacity to supply, deliver and maintain substations, transformers, overhead lines and 11kv switchgears (2024/2025 TO 2026/2027)**will be considered.

Tel: 087 287 0018 Email: zmakhoba@ulundi.gov.za

NB: ONLY EMAILED AND HAND DELIVERED QUOTATIONS WILL BE ACCEPTED

Supply Chain Management Unit, Ulundi Municipality, Cnr. Princess Magogo Str. And King Zwelithini Str.

The following conditions will apply:

- Prices quoted must be valid for at least thirty (30) days from the date of your offer.
- Prices quoted must be firm and must be inclusive of VAT.
- A firm delivery period must be indicated.
- Filled MBD forms 4, 6.1, 8, and 9.
- The service provider must be registered and compliant on Central Supplier Database (CSD)
- NB: No quotations will be considered from persons in the service of the state.
- Failure to comply with these conditions may invalidate your offer.
- The Ulundi Municipality reserves the right to accept the quote in whole or in part.
- All service providers must provide their copy of Identity document and CSD report
- 80/20 preference point system will be used and evaluated as follows:

Price – 80
Black – 7
Women – 5
Youth – 5
Disability – 3

Specification

Description	Qty
11KV Circuit breaker maintenance in 33kv switch room, ➢ Supply of labour, tools, testing equipment and materials required for the inspection, servicing, maintenance and testing of an existing 11kV circuit breaker installed in a 33kV switch room. ➢ Conduct a site inspection and assess the condition of the 11kV circuit breaker and associated components. ➢ Isolate the equipment and implement approved lockout/tagout procedures before commencing work. ➢ Inspect, clean and service the circuit breaker, including contacts, insulation, terminals, operating mechanisms and associated components. ➢ Inspect and test the circuit breaker's mechanical and electrical operating mechanisms, including opening and closing operations. ➢ Inspect the trip and closing coils, auxiliary contacts, control wiring and protection interfaces. ➢ Check and tighten electrical connections and terminals in accordance with the manufacturer's recommendations. ➢ Inspect the insulation system and perform appropriate insulation resistance tests. ➢ Conduct contact resistance tests, timing tests and other functional tests, where applicable. ➢ Inspect the associated protection and tripping circuits and verify correct operation. ➢ Replace worn or damaged components only where authorised by the municipality and in accordance with the manufacturer's specifications. ➢ Submit a detailed maintenance and testing report, including test results, defects identified, corrective actions and recommendations. ➢ Restore the equipment to service only after satisfactory testing, authorisation and approval by the responsible electrical representative.	8
33kv circuit breaker maintenance in an intake switch room ➢ Provision of labour, tools, materials and specialised testing equipment for the inspection, servicing, maintenance, testing and commissioning of an existing 33kV circuit breaker installed in an intake switch room. ➢ Conduct a site inspection to assess the condition and operational status of the 33kV circuit breaker. ➢ Isolate the equipment and implement approved lockout/tagout procedures and all required electrical safety measures before commencing work.	1

➢ Clean and inspect the circuit breaker, including contacts, terminals, insulation, bushings, operating mechanisms and associated components. ➢ Inspect and service the mechanical operating mechanism, including opening and closing mechanisms, springs and linkages, where applicable. ➢ Inspect the condition of the arc-extinguishing system, including SF_6 gas pressure and leakage for SF_6 breakers, or the relevant system for other breaker types. ➢ Inspect and test trip coils, closing coils, auxiliary contacts, control wiring and associated electrical circuits. ➢ Perform insulation resistance tests using suitable calibrated testing equipment. ➢ Conduct contact resistance measurements and circuit-breaker timing tests, including opening, closing and pole synchronisation, where applicable. ➢ Test the trip and close functions and verify operation of the associated protection and control circuits. ➢ Inspect and verify the condition of current transformers, control connections and associated components where included in the maintenance scope. ➢ Identify and report defective or worn components and replace them only upon approval by the municipality. ➢ Carry out functional testing and commissioning after maintenance to confirm safe and reliable operation. ➢ Submit a comprehensive maintenance report containing test results, defects identified, repairs undertaken and recommendations	
Supply and installation of BTU, set of battery cells, steel cabinet and battery charger ➢ Supply, delivery, installation, testing and commissioning of a complete battery backup system, including BTU, a set of battery cells, steel battery cabinet and battery charger, for use in a municipal electrical substation or switch room **1. BTU (Battery Termination Unit) – Specification** • Supply and install a suitable BTU compatible with the existing battery backup and DC power system. • The unit must provide secure termination and distribution of DC power to the relevant control, protection and auxiliary circuits. • Include appropriately rated terminals, connectors, protective devices and labelling. • Voltage and current ratings must be compatible with the existing installation. • All connections must be properly insulated, secured and corrosion-resistant. • Installation and testing must comply with the manufacturer's requirements and applicable electrical safety standards.	2

2. Set of Battery Cells – Specification • Supply and install a complete set of industrial-grade rechargeable battery cells suitable for substation protection, control and emergency backup applications. • Battery chemistry may be VRLA, lead-acid or nickel-cadmium, subject to compatibility with the existing system. • The battery bank must provide the required DC voltage and backup capacity for the specified load and autonomy period. • Battery cells must be new, unused and supplied with inter-cell connectors, terminal covers and identification labels. • Include the necessary interconnections, protective devices and accessories. • Provide manufacturer datasheets, warranty documentation and battery performance specifications	

Enquiries: C Zwane

:087 287 0295

Approved

BY_____

SCM MANAGER

26/06/2025