



Powering The Nation

INVITATION FOR EXPRESSIONS OF INTEREST FOR THE REPAIR AND MAINTENANCE OF FAULTY DISTRIBUTION TRANSFORMERS OF VARIOUS RATINGS UPTO 2.5MVA – ZESCO/EOI/176/2025

1. INTRODUCTION

ZESCO Limited is committed to maintaining a robust and reliable electricity distribution network to ensure quality service delivery to its customers. A critical component of this network is the fleet of distribution transformers, whose operational availability is paramount. To enhance the efficiency of our maintenance operations and reduce the turnaround time for repairing faulty transformers, ZESCO is seeking to engage competent and experienced service providers. This initiative aims to outsource the repair and refurbishment of faulty distribution transformers to specialized firms, thereby ensuring our assets are restored to Original Equipment Manufacturer (OEM) standards and returned to service promptly.

2. BACKGROUND

The ZESCO distribution network comprises thousands of transformers which are subject to various stresses and faults. The current in-house repair capacity is sometimes constrained, leading to longer downtime which affects network reliability and customer supply. Outsourcing this function to accredited workshops will supplement our internal efforts, introduce best practices, and ensure faster rehabilitation of faulty units. This project is aligned with ZESCO's strategic objective of improving service continuity and optimizing asset management.

3. OBJECTIVES

The objective of this assignment is to pre-qualify and select reputable companies capable of providing high-quality repair, refurbishment, and testing services for ZESCO's faulty distribution transformers up to 2.5MVA.

The scope includes:

- (i) Comprehensive diagnostics and failure analysis;
- (ii) Complete repair/rewinding, oil treatment, and parts replacement;
- (iii) Rigorous testing to international standards (IEC, ANSI) and ZESCO specifications; and
- (iv) Provision of detailed test reports and a guarantee on all workmanship.

4. SCOPE OF ASSIGNMENT

The pre-qualified service providers will be expected to execute repairs on an as-needed basis, governed by a framework agreement. ZESCO intends to pre-qualify multiple vendors to ensure competitive pricing and adequate capacity. The initial framework agreement will be for a period of two (2) years, subject to renewal based on performance.

5. MANDATORY REQUIREMENTS TO BE SHORTLISTED

Interested bidders must provide evidence of the following to be considered for shortlisting:

- 5.1 The bidder must be a legally registered company in Zambia with relevant expertise in transformer repair and duly registered with the Patents and Companies Registration Agency (PACRA);
- 5.2 The bidder must provide a detailed company profile, including a list of technical staff, their qualifications, and certifications. All technical staff must be registered members of the Engineering Institution of Zambia (EIZ);

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- 5.3 The bidder must indicate their capacity to repair oil immersed distribution transformers up to a rating of 2.5MVA;
- 5.4 The bidder must possess a well-equipped workshop with necessary facilities, including but not limited to:
- Dielectric Withstand Tests: AC Hi-Pot (Power Frequency Withstand) and Induced Voltage Test.
 - Insulation Condition Tests: Insulation Resistance (IR) and Power Factor / Tan Delta.
 - Winding Integrity Tests: Turns Ratio (TTR), Winding Resistance, and Polarity/Vector Group verification.
 - Performance Validation Tests: No-Load Loss and Excitation Current, Load Loss and Impedance.
 - Oil Testing: DGA, BDV, Moisture
 - Drying Oven
- All testing equipment must have valid type test reports, Quality Certificates, and Calibration Certificates from accredited institutions.
- 5.5 The bidder must provide a range of the sizes of transformers that they are capable of repairing up to a rating of 2.5MVA;
- 5.6 The bidder must provide a valid Tax Clearance Certificate from the Zambia Revenue Authority (ZRA) and proof of compliance with the Zambia Public Procurement Authority (ZPPA) regulations and valid compliance certificates from the National Pension Scheme Authority (NAPSA) and Workers' Compensation Fund Control Board; and
- 5.7 The bidder must demonstrate a strong commitment to Occupational Health and Safety (OHS) standards and environmental regulations, particularly in the handling and disposal of used transformer oil in accordance with Zambia Environmental Management Agency (ZEMA) regulations.

ZESCO now invites Expressions of Interest (EOI) from service providers that would like to offer **repair and maintenance of faulty distribution transformers of various ratings up to 2.5MVA.**

The EOI is open to citizen and local bidders only.

The Expression of Interest must be deposited in the tender box situated at the ZESCO Procurement Building, at ZESCO Limited Head Office in Lusaka clearly marked **"EXPRESSION OF INTEREST FOR THE REPAIR AND MAINTENANCE OF FAULTY DISTRIBUTION TRANSFORMERS OF VARIOUS RATINGS UPTO 2.5MVA - ZESCO/EOI/176/2025"** and addressed to the Head – Procurement, ZESCO, New Procurement Offices Regional Control Centre (RCC) Building, Adjacent to ZESCO Limited Filling Station, Stand Number 6949, Great East Road Lusaka, Zambia.

The closing date for the receipt of the Expressions of Interest is **Friday, 21 November 2025 at 10:30 Hours** Local Time. The Expressions of Interests Submissions shall be opened soon after closing at the address below in the presence of bidders and/or their representatives who may choose to attend.

LATE EXPRESSIONS OF INTEREST SHALL NOT BE ACCEPTED.

Address for Submission of EoIs

ZESCO Limited,
Tender Box located on Ground Floor, Lusaka Division Control Centre,
Adjacent to ZESCO Filling Station, Sadzu Road,
P.O. Box 33304,
LUSAKA

**ZANDI HAMALAMBO
HEAD PROCUREMENT**

ZH/tc