



**THE ELECTRICITY SUPPLY CORPORATION OF MALAWI (ESCOM) LIMITED**

**REQUEST FOR EXPRESSIONS OF INTEREST  
(CONSULTING SERVICES – FIRMS SELECTION)**

**Country:** Malawi

**Assignment Title:** Consulting Services for Transmission System Planning, Feasibility Study and Project Preparation

**Reference No.:** ESCOM-MAP-1/2022-CQBS

**Date of Issue:** 21 MARCH 2022

1. Malawi is a developing country and urbanization as well as industrialization is rapidly increasing. The energy consumption is increasing at a very high pace across the country. Power generation and transmission is also growing accordingly. Electricity Supply Corporation of Malawi (ESCOM) is making all efforts on supplying quality and reliable electricity at affordable price to its consumers. ESCOM is also initiating the demand driven programs to increase electricity consumption as such the energy generated from the power producers throughout the country wouldn't spill and be used efficiently. Existing capacity of transmission lines and substations across the country will not be sufficient to meet the growing energy demand and peak demand in the future which lead to upgrade the capacity of existing transmission lines and substations as well as to plan and construct new transmission lines and substations in different phases.
2. The power transmission infrastructure requires lots of land and Right of Way (RoW) along the line. It is very hard to find the land and RoW in the cities to construct transmission lines and substations. In the future the problem of land and RoW will be more critical; hence ESCOM has decided to plan the transmission infrastructure considering the future demand of electricity till 2063 and develop the infrastructure accordingly in phase wise.
3. It is also high time to find some alternatives to avoid land and RoW problems in transmission infrastructure by adopting the modern practices like Underground transmission system, transmission system using monopoles, construction of compact Gas Insulated Substations (GIS) etc.
4. In support of the Government of Malawi's (GoM) energy development goals, ESCOM has provided in its budget funds which will support for Power Transmission System Planning

for the year of 2063 including the Feasibility Study and Project Preparation of Transmission System Expansion for the major cities of Blantyre, Lilongwe, Mzuzu and other districts.

5. The Power Transmission System Planning for the major cities and all other districts taking into account of the future load growth till 2045 including their Feasibility Study and Project Preparation shall be referred as the "Transmission Master Plan Project" in this document.
6. The term "Transmission Infrastructure" shall mean the 66 kV - 400 kV Transmission Lines, 66 kV - 400 kV Substations and associated facilities to provide electricity across the country.
7. The Project aim to cover following major cities and Districts (and possible mining areas):
  - (i) Blantyre city and surrounding Districts.
  - (ii) All other Districts in the South of Malawi including possible mining areas
  - (iii) Lilongwe city and surrounding Districts
  - (iv) All other Districts in the center including possible mining areas
  - (V) Mzuzu city and surrounding areas
  - (v) All Districts in the Northern Malawi and possible mining areas
8. Under this project, the consultant will be engaged in following studies and activities:
  - a) Study of electricity related documents issued by Ministry of Energy, ESCOM previous Transmission System Master Plan, Distribution System Master Plan if any and ESCOM Annual Reports and collect relevant information.
  - b) Data collection and preparation of demand forecasts in the Cities and Districts for the year 2030, 2040, 2050 and 2060.
  - c) Study of power supply through the existing, under construction and proposed transmission infrastructures in these cities and associated industrial areas.
  - d) Conduct necessary Site visits
  - e) Identification and recommendation of new transmission infrastructures including reinforcement / up-gradation of existing transmission infrastructures, consultation with ESCOM and carry out further study.
  - f) Carry out necessary desk study, walk over survey and field reconnaissance survey; and recommend the most suitable option for transmission line viz; Overhead Transmission Line in lattice Tower or in Monopole Tower, Concrete poles, Underground Transmission Line etc;
  - g) Carry out necessary desk study, field visit and survey to recommend the suitable locations for new substation construction and accordingly recommend the type of substations in accordance with the available space viz, Air insulated Substation or Gas Insulated Substation.
  - h) Feasibility study of overhead / underground Transmission line.
  - i) Feasibility study of substations.
  - j) Feasibility study of upgrading the capacity of existing Transmission line and upgrading/expansion of existing substation capacity.
  - k) Basic design of Overhead Transmission Line, Underground Transmission Line and Substations including up-gradation of existing transmission infrastructure.
  - l) Detail design of pre-stressed concrete poles to replace the existing wooden poles along 66kV Transmission lines.
  - m) Preparation of Project Specific Requirements Report, current Cost Estimates,

Technical Specifications, Design and Drawings, Price schedules etc; required for Bidding Documents.

- n) Economic analysis, financial analysis, sensitivity analysis and risk analysis of the Projects;
  - o) Social and environmental safeguard study of the projects and recommend the impact and their mitigation measures.
  - p) Preparation of Reports and Documents.
9. ESCOM seeks through this Request for Expression of Interest (EOI) to engage project preparation consultant to support in preparation of the Projects. The assignment is expected to start mid June 2022 and the period of the assignment is Fifteen (15) months.
10. The Electricity Supply Corporation of Malawi Limited now invites you (“Consultants”) to indicate your interest in providing the consultants Services. You should provide information demonstrating that you have the required qualifications and relevant experience to perform the Services. The criteria are:
- a) Core business of the firm(s) and years in business.
  - b) Relevant similar experience, which should specifically include consultancy services related to Preparation of Projects and master plan in energy sector, specifically Transmission Infrastructure" thus the 66 kV - 400 kV Transmission Lines, 66 kV - 400 kV Substations and associated facilities.
  - c) Technical and Managerial capability of the firm. Provide only the structure of the organization, general qualifications, and number of key staff. *(Do not provide CV of the staff. Experts will not be evaluated at the shortlisting stage).*
11. Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.
12. A Consultant will be selected in accordance with the Quality and Cost Based Selection Method (QCBS). The detailed Terms of Reference (TOR) for the assignment is available on ESCOM website, [www.escom.mw](http://www.escom.mw) or can be obtained at the addresses (a) below during office hours from **07:30 to 17:00**, local time, from Monday to Friday.
13. Expressions of interest must be delivered in a written form to the address (b) below (in person, or by mail) on or before **4<sup>th</sup> April 2022 at 10:00 Hours** Local Time
14. Addresses referred to above are:
- a) For information and clarifications:  
  
Senior Projects Manager  
ESCOM Limited  
Umoyo House, 3<sup>rd</sup> Floor,  
Victoria Avenue  
P.O Box 2047  
Blantyre  
MALAWI.  
Telephone +2651830 321  
Email: [akaitane@escom.mw](mailto:akaitane@escom.mw)/[jthabwa@escom.mw](mailto:jthabwa@escom.mw)

15. Clearly labelled and sealed expression of interest (with procurement reference number and description) should be addressed to:

The Chairman  
Internal Procurement and Disposal Committee  
ESCOM Limited  
Umoyo House, 3<sup>rd</sup> Floor,  
Victoria Avenue  
P.O Box 2047  
Blantyre  
MALAWI.

**Attention:** The Procurement Specialist: [jthabwa@escom.mw](mailto:jthabwa@escom.mw)

The Project Manager: [akaitane@escom.mw](mailto:akaitane@escom.mw)