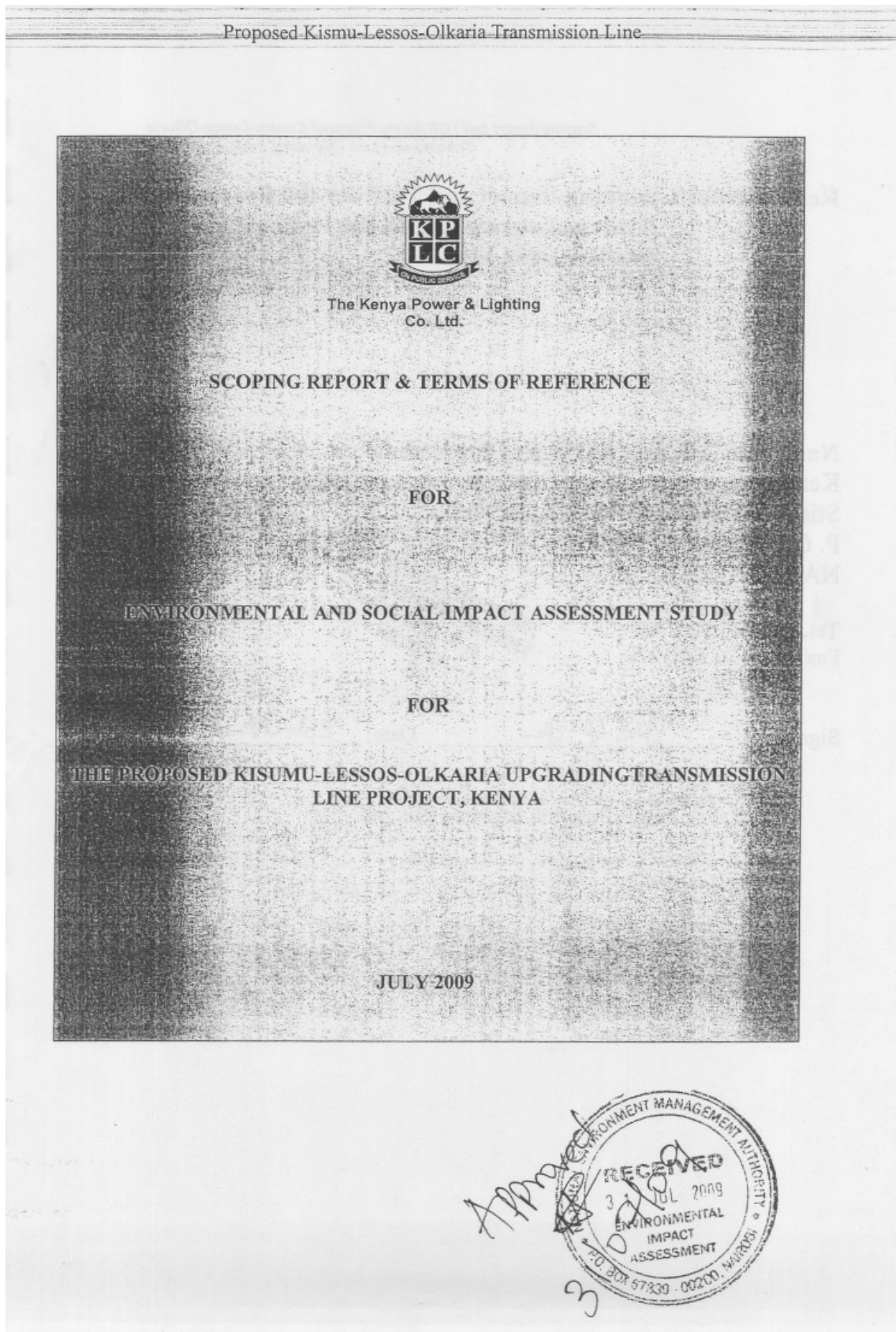


**Annex 7-7 Scoping Report approved by NEMA**



Scoping Report and TOR for the Proposed Kisumu-Lessos-Olkaria  
Transmission Line Upgrading Project, July 2009

**Report Title: Scoping Report and TOR for the Proposed  
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Transmission Line**

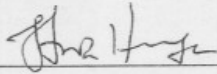
**Name and Address of Project Proponent:**

Kenya Power & Lighting Company Limited (KPLC)  
Stima Plaza, Kolobot Road, Parklands  
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THE KENYA POWER AND  
LIGHTING COMPANY LTD.  
P. O. BOX 30099  
NAIROBI

Signed: \_\_\_\_\_



Date: 28-09-09

\_\_\_\_\_  
For Kenya Power & Lighting Co., Ltd.

Proposed Kismu-Lessos-Olkaria Transmission Line



The Kenya Power & Lighting  
Co. Ltd.

**SCOPING REPORT & TERMS OF REFERENCE**

**FOR**

**ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT STUDY**

**FOR**

**THE PROPOSED KISUMU-LESSOS-OLKARIA UPGRADING TRANSMISSION  
LINE PROJECT, KENYA**

**JULY 2009**

*Scoping Report and TOR for the Proposed Kisumu-Lessos-Olkaria  
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*Scoping Report and TOR for the Proposed Kisumu-Lessos-Olkaria  
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**ACRONYMS**

CBO	Community-based Organization
EIA	Environmental Impact Assessment
ESIA	Environmental and Social Impact Assessment
EMCA	Environmental Management and Coordination Act
EMP	Environmental Management Plan
EMoP	Environmental Monitoring Plan
GDP	Gross Domestic Product
GOK	Government of Kenya
IPP	Independent Power Producers
JBIC	Japan Bank for International Cooperation
JICA	Japan International Cooperation Agency
JICA Study Team	A team of experts assigned for a former JBIC/New JICA Project
KENGEN	Kenya Electricity Generating Company Limited
KFS	Kenya Forestry Service
KWS	Kenya Wildlife Service
KPLC	Kenya Power & Lighting Company Limited
NEMA	National Environment Management Authority
NGO	Non-governmental Organization
RAP	Resettlement Action Plan
TOR	Terms of Reference

*Scoping Report and TOR for the Proposed Kisumu-Lessos-Olkaria  
Transmission Line Upgrading Project, July 2009*

**EXECUTIVE SUMMARY**

According to Sections 58 and 138 of the Environmental Management and Coordination Act (EMCA) No. 8 of 1999 and Section 3 of the Environmental (Impact Assessment and Audit) Regulations 2003 (Legal No. 101), the Scoping Report was prepared to obtain the approval of the TOR for KPLC's ESIA. This report comprises Project Description, Scoping Methodology, Project Area Description, Proposed Project Activities, Project Design Issues, Public Views, Potential Positive/Adverse Impacts, the Proposed Outline of Mitigation Measures/EMP, Information Gaps and Conclusion & Recommendations.

**Project Location and Description**

The Project Area including alternative routes consists of 8 districts in Rift Valley Province and Nyanza Province, namely Naivasha District, Nakuru District, Baringo District, Uasin Gishu District, Kericho District, Nandi District, Nyando District and Kisumu District, and the length of the targeted transmission lines is approximately 255 km as a total, approx. 170 km between Olkaria and Lessos and 85 km between Lessos and Kisumu.

The Project Area generally falls within the Rift Valley and Lake Victoria basin. As for topographical features, they include the Rift Valley floor, the Mau escarpment, the Nandi hills and escarpment, and the Kano plains. The study area has various ecosystems such as Lake Naivasha, Lake Nakuru National Park, Hell's Gate National Park, Northern Tinderet Forest, Mount Londiani Forest, Eburru Forest, Eastern Mau Forest, Western Mau Forest, and Tinderet Forest.

**Project Objectives**

The principal objective of the project is to upgrade the 220kV and 132kV transmission system necessary to improve reliability and serve increasing load through the year 2022.

Other objectives of the proposed project include the following:

- i. Design and construction of a power transmission line as per specifications provided by the electricity generation regulatory authorities (ERB, KPLC, Ministry of Energy, etc.),
- ii. Observe sustainability through complying with all local laws among them those dealing with environmental protection, and
- iii. Upon completion construction of the line it will be handed to KPLC.

**Expected Impacts of the Proposed Project and Proposed Mitigation Measures**

The following impacts were identified by the scoping study as significant impacts requiring further study and analysis: