

Kigali on 15/ February/2019

Ref: N° 11.07.023/354/19/MD-EDCL/FG/RJG/uc

**REQUEST FOR EXPRESSIONS OF INTEREST
“CONSULTANCY FIRM ONLY” (Re-advertised)**

Project Name: “Improving Access to Reliable On-grid Electricity Service for Households and Priority Public Institutions –Belgian contribution to EARP”.

Project No: RWA 12 081 11

Title of Tender: Feasibility Study for Transformer Repair workshop

REFERENCE N°004/S/2018/REOI/BE1EARP

The Government of Rwanda *has received* financing from the Belgian Kingdom toward the cost of the “**Improving Access to Reliable On-grid Electricity Service for Households and Priority Public Institutions –Belgian contribution to EARP**”(BE1 EARP) and intends to apply part of the proceeds for consulting services.

The Energy Development Corporation Limited (EDCL)/BE1 EARP invites eligible consulting firms to express their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

At least three consultants will be shortlisted comprised of bidders with capacity to perform the required services.

1. Scope of consultancy service

Based on the objective, the following scope of works has been established.

- a) **Assess the current situation at the REG/ EUCL.** This assessment should include at least the following points:
 - a. Current staff knowledge of transformer repair workshop.
 - b. Equipment currently present within REG/EUCL for the maintenance and/or repair of transformers.

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- c. The different types of transformer failures with their probability of occurrence.
 - d. The different types of transformers which installed on the national electrical grid
 - e. Technicity, safety and security during maintenance or repair

This assessment should be based on internal reports, staff interviews and field visits.

- b) **Review and present various solutions for transformer repair.** Based on the assessment of the current situation and on a review of international best practices, the consultant should elaborate all potential solutions for transformer repair (in house reparation, outsourcing of repair activities, etc). The potential solutions should be linked with the type of transformer and the type of failure.
- c) **Develop a strategy for the repair of the damaged transformers.** Based on the assessment of the current situation and the list of solutions, the consultant shall develop a strategy to enhance the REG/EUCL capability. This strategy should include at least the following aspects:
 - a. Type of transformer repair to be done in-house Based on the review of the different types of transformer failures.
 - b. Type of transformer repair to be outsourced.
 - c. Equipment, Material, tools and space required for in-house reparation
 - d. Number of Required EUCL staff: with the required competences, grades and experiences for carrying out transformer reparation.
 - e. Required competences to ensure quality (management, monitoring & Evaluation...)

The strategy should be justified by a cost-benefit analysis in order to minimize the total cost/ maximize the benefits for EUCL. This cost analysis should include all cost aspects (e.g. purchase of new equipment and material, staff training and salary, transformer characteristics – cost, lifetime, losses, ... , cost of outsourcing, ...).

In addition, the strategy could be based on different steps with additional workshop facility upgrades when required.

- d) **Elaborate a precise plan for the implementation of the strategy.** Based on the strategy, the consultancy firm should elaborate a precise plan which covers all the aspects of the strategy. Such plan should include at least:

- a. Implementation planning.
- b. Financial planning.
- c. Required training and means of training for EUCL staff
- f. Equipment and Material to be purchased with their technical specifications

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- d. Requirements for the workshop buildings: layout design, area, equipment installation, etc.
 - e. Bill of quantities and price estimation for all required material

Timing: The contract will be for a period of three months

2. The Company Profile, Qualifications, Skills and Experience of staff

The consultancy firm should be a company specialized in distribution networks which have enough knowledge and skills to carry out the scope of works.

- The firm should have at least 8 years in the operations and maintenance of distribution networks
- The firm should have at least 5 years in repair of distribution transformers
Certificates of completion of 3 similar services in these 8 last year's related to the establishment of transformer repair workshop or related studies. Services completed by the firm should be similar to this study in terms of scope of service, complexity and size.
The firm should have a strong team composed by:
 - **Project leader:**
 - Must hold at least a bachelor's degree in Electrical Engineering or Electromechanical Engineering field.
 - Must have at least 10 years of experience in general and at least 5 years of experience in repair of distribution transformers.
 - **Economics specialist¹:**
 - Must hold at least a bachelor's degree in economics or a MBA or an equivalent in economics or business management.
 - Must have at least 3 years of experience in business administration (cost-benefit analysis, investment decisions, etc.). Experience in the energy sector is an advantage.
 - **Electrical Engineer**
Must hold at least a bachelor's degree in Electrical Engineering or Electromechanical Engineering field.
 - Must have experience of at least 3 years in transformers repair workshop as technician.

3. The Consultant firm will be shortlisted in accordance with the following evaluation criteria

- Specific experience of the firm (at least three similar project)
- Qualification and experience of key staff

¹ This specialist could be the same person as any team member (including the project leader).



The consultant will be selected in accordance with the Rwanda Law N°62/2018 of 25/08/2018 Government Public Procurement.

Further information can be obtained at the address below during office hours from 08:00am to 17:00pm:

Energy Development Corporation Limited (EDCL)

Electricity Access Roll-out Program (EARP)

Attn: Mrs. Christine UWAJENEZA, Procurement Specialist, Kigali, Rwanda;

Tel. No.: +250788466130;

E-mail: procurement@edcl.reg.rw and copy to cuwajeneza@edcl.reg.rw ,

Expressions of interest must be delivered by Email or hard copy in a written form to the address below by 11/ March/2019.

EDCL

KN2 ST, Nyarugenge District, Kigali City,

PO Box 3855 Kigali, Rwanda

KCT: 6 floor

Email: procurement@edcl.reg.rw and copy to cuwajeneza@edcl.reg.rw

Done at Kigali, on 15/February/2019

RUHIGULA Jackson GAFULEKA

Head of Procurement Management Services

Felix GAKUBA

Managing Director