

## **REQUEST FOR EXPRESSIONS OF INTEREST**

### **RECRUITMENT OF A COMPANY TO CARRY OUT THE FEASIBILITY STUDY FOR DESILTING OF NYABARONGO DAM RESERVOIR**

**TENDER REF. N<sup>o</sup>: 11.07.022/S/1004/EOI/2019-2020/PROC-GEN-EUCL-MD-JCK/ak**

#### **1. Background**

Energy Utility Corporation Limited (EUCL) is a subsidiary company of the Rwanda Energy Group (REG). EUCL owns and operates a Nyabarongo Hydro Power Plant that is into operation since 2014 and it has the installed capacity of 28 MW with two Francis turbines of 14 MW each. The scheme involves a dam, with run of river design across Nyabarongo River.

Despite routine flashing of the dam, a look at it indicates that sediments were progressively accumulated in the rear part of reservoir and could not be removed from the storage by simple normal flashing process.

Sediments accumulated into the reservoir are threat to the power plant and may negatively impact on its production in the future.

It is in regards to the above that EUCL requires consultancy services to be engaged in providing expert advisory services for Nyabarongo Hydro Power Plant reservoir sedimentation handling and management.

The Energy Utility Corporation Limited (EUCL) now invites eligible, experienced and capable companies to submit their bids in providing the required services. Interested Companies should provide information demonstrating that they have the required qualified staff and relevant experience to perform the Services:

#### **2. Scope of the assignment, duties and responsibilities**

The Contractor will engage qualified professionals in the above process and he is expected to:

- a. Make bed level profile of the river along the reservoir in the current year
- b. With the help of data found along the river, the available documents and the collected information, make the bed level profile of the river along the reservoir right after the construction of the dam,

- c. Estimate the current volume of sediments in the Nyabarongo dam
- d. Determine the source, type, chemistry and the speed of the sediments accumulation
- e. Evaluate the impact of sediments on the dam body in terms of strength as well as on the power plant machinery.
- f. Make a removal and disposal plan
- g. Make the safety plan of the Dam against sediments
- h. Elaborate a tender document for removal and disposal of sediments from the dam.

### **3. Qualification and experience of Company's staff**

The team leader should have:

- University degree in hydrology, water engineering or in any related field and having good experience of working in this sector.
- Minimum 10 years of experience out of which 5 are directly related to the field of assignment
- Fluency in English both oral and written
- Competence in relevant report writing

The team should at least be composed of:

- Two hydrologist or water engineers/marine or submarine engineer or in any related field engineer with more than 5 years
- One civil/structure engineer with more than 10 years of experience
- Environmentalist specialist with at least five years

The team members should have at least Bachelor's degree in the field of specialization and have good experience

The selection will be based on the detailed Terms of Reference (TOR) for this assignment with specific objectives, scope of the assignments, Key deliverables, Timing, Competence and Qualifications and other requirements. These are available at [www.reg.rw](http://www.reg.rw) and DG market website: [www.market.gov.rw](http://www.market.gov.rw). The selection of best companies will done in accordance with REG procurement manual as updated to date.

### **4. Application and Submission**

Interested and suitably qualified candidates should submit their Expression of Interest including CVs and a motivation letter highlighting how they meet the requirements detailed in the TOR. All applications should be submitted to the Central Secretariat of the Head of Procurement Management of EUCL and should be addressed to:

**The Managing Director  
Energy Utility Corporation Limited (EUCL),  
KN82 ST 3, NYARUGENGE District, Kigali City,  
P.O Box 537 Kigali, Rwanda**

Electronic applications will also be accepted and may be sent through: [akarangwa@eucl.reg.rw](mailto:akarangwa@eucl.reg.rw) copy to [ebugingo@eucl.reg.rw](mailto:ebugingo@eucl.reg.rw) and [procurement@eucl.reg.rw](mailto:procurement@eucl.reg.rw)

The outer cover for envelopes shall be clearly marked:

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The deadline for submission of expression of interest will be **05/08/2019**, at 17:00 hours Kigali time. Further information can be obtained via email to the email addresses mentioned above during office hours from 07H00 hours to 17H00 on all working days.

Done at Kigali, on **16/07/2019**

**Eric BUGINGO  
Head Procurement Management**

**Maj. Eng. Jean Claude KALISA  
Managing Director**