



PRE-QUALIFICATION NOTICE UNDER INTERNATIONAL COMPETITIVE BIDDING

Invitation to prequalify for the construction of Muzizi Hydropower Project (48 MW), Uganda - UEGCL/WRKS/2017/0001

Uganda Electricity Generation Company Limited (UEGCL) is developing Muzizi Hydropower project located in Western Uganda on the Muzizi River, 6km south-east of Lake Albert. The project will be implemented under an Engineering, Procurement and Construction (EPC) contractual arrangement.

Financing:

Implementation of the Project is being financed by:

1. KfW Development Bank, Germany
2. Agence française de développement (AFD), France
3. Republic of Uganda

Project Salient Features:

This diversion-type hydroelectric project shall be designed and constructed with a power generating capacity of 48 MW. The project has a gross head of 468 m and a design discharge of 12 m³/s. A reservoir with a live storage volume of 270,000m³ at El. 1092.5 m asl shall form a part of the project to suffice 4 hours of daily peaking capacity of the hydropower station. The project consists of the following main facilities:

- Concrete dam on the Muzizi River near Muzizi A and Muzizi B villages. The dam height is approximately 14 m and the length is approximately 160 m. The dam incorporates an overflow spillway and gated spillway; the intake structure guiding the flow into the headrace tunnel is also integrated into the dam structure.
- An approximately 2.5 km-long low-pressure headrace tunnel (A ~20m²) connecting the intake with the pressure shaft.
- An approximately 440 m-deep vertical shaft will be constructed at the end of the headrace. The upper 60 m will comprise the surge shaft whereas the lower approx. 380 m will comprise the approximately 2.2 m diameter steel-lined vertical pressure shaft.

- Approximately 1.2 km-long pipe gallery tunnel with a welded steel pipe connecting the vertical pressure shaft and powerhouse. The approx. 2.2 m diameter steel pipe will be supported on concrete saddles at a regular interval.
- A powerhouse with 3 units of Pelton turbine and generator sets, control system and SCADA and balance of plant.
- High voltage switchyard and approximately 6 km-long 132kV transmission line and approximately 6.5 km-long 33kV transmission line
- Approximately 20 km of Access Roads leading to Intake, surge shaft and powerhouse area of the project
- Operator's permanent housing camp near the powerhouse

Procurement Process:

The procurement shall be carried out under international competitive bidding with a two-stage process: 1) Pre-qualification stage, and 2) Tendering stage. It shall be conducted in accordance with KfW Development Bank's "Guidelines for Procurement of Goods, Works and associated Services in Financial Cooperation with Partner Countries" which is available at: <https://www.kfw-entwicklungsbank.de/Download-Center/PDF-Dokumente-Richtlinien/Vergabe-E.pdf>.

The Prequalification process shall be carried out based on two separate lots: Lot 1 – Civil Works and Lot 2 – Electromechanical Works. Accordingly, two separate Prequalification processes shall be carried out simultaneously:

- **Lot 1 – Civil Works:** The scope of works to be prequalified under Lot 1 includes the civil engineering and construction of hydraulic structures such as the dam/weir, intake and reservoir, water conveyance structures such as headrace tunnel, pressure shaft, pipe gallery, powerhouse and tailrace channel, as well as foundations for the switchyard facilities and 132-kV and 33-kV transmission lines, access roads and operators' permanent camp and all other civil structures of a hydro power plant including compensation measures. The scope includes also the O&M Management and training of the O&M staff of the Client.
- **Lot 2 – Electrical and Mechanical Works:** The scope of works under Lot 2 includes the engineering, manufacture, supply, installation and commissioning of all mechanical and electrical works including three (3) high-head, multi-jet (6), vertical-axis Pelton turbines and generator sets including control systems, transformers, SCADA, switchyard and balance of plant; it also includes hydro-mechanical equipment (powerhouse and dam), steel-lined pressure shaft, steel penstock pipes and the 132-kV and 33-kV transmission lines. The scope includes also the O&M Management and training of the O&M staff of the Client.

Following the Prequalification process, up to a maximum of five (5) Applicants will be selected for each of Lot 1 and Lot 2, who shall then be invited to participate in the subsequent EPC Tender. At the EPC Tender stage, the prequalified Applicants for Lot 2 will be available to associate with one or several of the prequalified Applicants for Lot 1 in order to submit a joint complete proposal **as one EPC Contractor**. The Lot 1 prequalified Applicants shall take the Lead in the association / consortium formed.

Pre-Qualification:

UEGCL is inviting all interested competent entities to submit applications for pre-qualification to participate in the bidding process for the selection of an EPC contractor for the Project. At this stage, a company shall only apply to be prequalified for either Lot 1 or Lot 2, (i.e., not both).

The closing date and time for the submission of the responses to this request for pre-qualification is **07 August 2017 by 1600 hours** (Ugandan time) at the latest. Any application received after the closing date and time will not be accepted.

The pre-qualification documents, in English, may be purchased by interested applicants on the submission of a written application to the address below and proof of payment of a non-refundable fee of USD 100 (One Hundred United States Dollars) to:

A/C Name: Uganda Electricity Generation Company Limited Projects

A/C No. 9030011177386

Branch: Kampala Branch (Corporate)

Bank: Stanbic Bank Uganda Limited

Swift Code: SBICUGKXXXX

Address: **Uganda Electricity Generation Company Ltd,
Block C, Victoria Office Park, Plot 6-9 Okot Close, Bukoto
P.O Box 75831, Kampala- Uganda**

**For the attention of: The Head of Procurement and Disposal Unit
Copy: The Project Manager, Muzizi Hydropower Project**

Email: pdu@uegcl.co.ug; copy to muzizi@uegcl.co.ug