



Rural and Renewable Energy Agency
Securing modern energy access for all Liberians



REQUEST FOR EXPRESSIONS OF INTEREST

RENEWABLE ENERGY FOR ELECTRIFICATION IN LIBERIA (REEL) PROJECT

CONSULTANCY SERVICES FOR PREPARATION OF DETAILED DESIGNS, BIDDING DOCUMENTS, TENDERING AND SUPERVISION OF CONSTRUCTION WORKS FOR THE CONSTRUCTION OF THE GBEDIN FALLS HYDROPOWER PLANT ON THE MANI RIVER, THE 33KV EVACUATION LINE AND ALL ASSOCIATED SUBSTATIONS

Project ID No.: **P-LR-FA0-001**

Issue Date: March 20, 2020

Closing Date: April 6, 2020

The Government of Liberia has received financing from the African Development Bank towards the cost of the Renewable Energy for Electrification in Liberia (REEL). The Government therefore intends to apply part of the proceeds of this financing for payments under the contract for provide Consultancy Services for an Engineering Firm for preparation of detailed designs, bidding documents, tendering and supervision of construction works for the construction of the Gbedin Falls Hydropower Plant on The Mani River, the 33kv evacuation line and all associated substations under the Renewable Energy for Electrification in Liberia (REEL) Project.

The objective of the assignment is to carry out detailed engineering designs including site-specific investigations for the main infrastructure components of the project, and assist Rural and Renewable Energy Agency (RREA) with the overall management, procurement and supervision of the following works:

- i. Construction of the 9.34MW Hydropower Plant at the Gbedin Falls on the Mani River;
- ii. Construction of the 33kV Evacuation Line and substations which will involve the construction of 8km of 33kV line from the hydropower plant, two 33kV substations with provision of possible future expansion, to evacuate power to the existing 33kV cross-border line between Liberia and Côte d'Ivoire.

The services also include the supervision of the implementation of the Safeguards Instruments - Environmental and Social Management Plan (ESMP) and Resettlement Action Plan (RAP) for the project and provision of assistance to RREA in the recruitment of the Operator of the proposed facilities. The Consultant will provide trainings in various engineering areas such as design, planning and implementation of hydropower plant, and the management and maintenance of electrical facilities to include use of renewable energy resources. These trainings are expected to be beneficial to the staff of RREA, Liberia Electricity Corporation (LEC) and other government agencies in order to provide the country with a pool of skilled professionals in the power sector especially hydropower generation.

Specifically, the Consultant shall:

- Review Final Reports of all studies by the other Consultants for this project, and provide relevant recommendations;
- Carry out site-specific investigations to include sedimentation and hydrological studies, topographic survey and geotechnical investigations for input to the detailed engineering design;
- Carry out detailed engineering design, and prepare bidding document for the works contract;
- Assist RREA in the procurement of the Works Contractor;
- Review the detailed designs for any components of the works contract for which the works Contractor has been assigned responsibility, and all works Contractor's Documents;

- Provide Project Management and Construction Supervision Services for the Works contract, including coordination of the implementation of the Safeguards Instruments (ESMP & RAP). The Consultant shall certify milestones for payments to the Contractor;
- Assist RREA in the selection process of the Operator of the facilities and initial supervision of the contract, as well as preparation of off-take agreement;
- Trainings and transfer of knowledge to RREA designated staff in management, operation and maintenance (O&M) of hydropower plants and mini-grid systems, among others;
- Provision of relevant design and plans for future connection of the hydropower plant to the interconnection grid operated by CLSG TRANSCO;
- Supervision of corrections of any defects and O&M activities of facilities during the Defects Liability/Notification Period.

The Rural and Renewable Energy Agency now invites eligible Consulting firms to indicate their interest in providing the above services. Interested firms should provide information demonstrating that they have requisite qualifications and relevant working experience to perform the required services.

- a. The shortlisting process will be in accordance with the Bank Procurement Policy and Methodology. The firms/consortia must pass all the eligibility criteria as outlined below. The firms/consortia must have successfully implemented at least two similar assignments in the last 10 years, one of which must have been in developing countries. The firm shall indicate the most recent successful performances;
- b. The scoring will be done to arrive at the short-list of highest scoring and qualified firms/consortia based on the following evaluation criteria:
 1. **Organization Competence:** Sub-criteria comprise (i) **Availability of Technical staff-** Strength and Technical expertise of proposed team; (ii) **Firm's years of experience-** at least 15 years of demonstrable knowledge and experience in the engineering design construction supervision and contract management of Generation and Transmission projects including Design and works Supervision, review of design, supervision of EPC contractors; (iii) Must have in the last 10 years managed at least 2 similar projects, one of which must have been in developing country. The firm shall indicate the most recent successful performances;
 2. **Technical Competence:** Sub-criteria comprise (i) Experience of working as Design and construction Supervision Consultant (ii) Experience of working as consultant in Electricity infrastructure environment (iii) Experience of working in externally aided projects and must be conversant with the AfDB and/or World Bank Standard Bidding Documents and Procurement Guidelines (iv) Experience in carrying out control and supervision of big works that include hydropower plants would be given advantage.
 3. **Geographical Competence:** Experience and good track record of supervision projects in environment similar to Liberia or in developing countries.

The consulting firm should have good reputation, strong institutional capacity and capability in terms of technical, managerial, expertise, quality management system, number of technical staff and financial soundness etc;

In case of JV or association, the equal weighting will be used for the lead firm and for partners or associates.

The Eligibility criteria for the establishment of the short-list and the selection procedure shall be in accordance with the African Development Bank's "*Procurement Policy Framework for Bank Group Funded Operations*", dated October 2015 which is available on the Bank's website at <http://www.afdb.org>. Furthermore, the Borrower is under no obligation to shortlist any consultant who expresses interest.

Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications.

A Consultant/firm will be selected in accordance with the Quality and Cost Based Selection (QCBS) method.

Interested consultants (firm) may obtain further information at the address below (Monday – Friday) during office hours: 0900 hrs to 1600 hrs.

Expressions of Interest must be delivered in hard copy or e-mail to the address below by or before **April 6, 2020 at 1600hrs** local time and mention “Consultancy Services for Engineering Firm for preparation of detailed designs, bidding document, tendering and supervision of Construction Works - Renewable Energy for Electrification in Liberia (REEL) Project”.

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