



# *Rural and Renewable Energy Agency*

*Securing modern energy access for all Liberians*



## **REQUEST FOR EXPRESSIONS OF INTEREST**

RECRUITMENT OF AN ELECTRICAL ENGINEER FOR THE RENEWABLE ENERGY FOR ELECTRIFICATION IN LIBERIA (REEL) PROJECT.

**Project ID: P-LR-FA0-001**

*Issue date: June 29 2020*

*Closing date: July 14, 2020*

**REFERENCE NO.: RREA-REEL/AFDB/IC/01/2020**

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 Electrical Engineer for Renewable Energy for Electrification in Liberia (REEL) Project.

The overall objective of the Electrical Engineer is to (i) coordinate and supervise all Electrical Works and related Services under the implementation of the REEL project, and ii) ensure timely and effective delivery of all activities of the project directly in relations to the construction of the 33kV line and substations for power evacuation to the existing cross-border network, and iii) electrification of local communities in proximity of the project area as described supra. These shall be in accordance with the Project Implementation Manual (PIM), RREA's Policy and Procedure Manual and Liberia's Renewable Energy Investment Plan under SREP. The Electrical Engineer shall fully collaborate on daily basis with the Management and Works Supervision Consultant (Consulting firm) to be recruited under the Project. In full cooperation, consultation and collaboration with the Consulting firm, the Electrical Engineer will perform the following tasks, among others:

- Provide high level of technical sufficiency within RREA, including the identification and promotion of innovative and practical engineering solutions;
- Contribute to project implementation, including but not limited to participation in the preliminary and detailed designs of the Electrical/Electromechanical engineering works part of the project, defining project implementation arrangements, coordinating inputs into project documentation related to Electrical/Electromechanical engineering works;
- Participate in the preparation, review and evaluation of electrical engineering documents including Term of Reference, engineering designs, tender/bidding documents, technical reports and specifications, submittals, etc. Critical at this point is the review of the Electricity transmission works as stipulated in the Feasibility Study report for the Gbedin Falls hydropower plant, and advising on procurement strategy for the implementation of the same;
- Provide required technical advice, input and documentation to the Project Coordinator on electrical engineering matters of the project;
- Oversee electrical engineering contracts, ensure and affirm completion of the same;
- Review of electrical engineering deliverables and initiate appropriate actions as possible;
- Conduct site visits as applicable to monitor physical implementation of electrical works;

- Manage compliance, quality control and assurance standards, and specifications of electrical related services & works;
- Review and certify payments for electrical engineering contracts of the project;
- Plan the installation, testing, operation, maintenance, or repair of facilities or equipment;
- Supervise and monitor construction and installation of all equipment to ensure that all Electrical Works associated with the project are carried out in full compliance with the designs and specifications;
- The day to day supervision and coordination with all relevant parties, including the coordination of all activities carried out by the Electrical and Electromechanical contractors and their subcontractors;
- Review of as-built documents and compare them with original designs to ensure all aspects are fully implemented as stipulated and ensure that Completion and Operational Acceptance Certificates are prepared and issued to the contractors

Other specific tasks are detailed in the Terms of Reference (TOR) that can be provided submission of a request (by e-mail).

The estimated duration of this time-based contract is 2 years but with yearly renewal based on performance, with the possibility of extension based on satisfactory performance and budget availability during the project period.

The RREA now invites eligible individual candidates to indicate 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. The shortlisting criteria includes:

- Minimum Bachelor's degree in Electrical or Electromechanical Engineering or Master degree in one of the fields is preferred;
- Must have five (5) years' work experience in planning and implementation of electrical engineering, contract management, or project planning experience (scope, schedule, cost, quality) and appropriate involvement in similar projects in Liberia or in developing countries. Demonstrated experience in Construction of Hydropower plant and related Electrical and Electromechanical engineering works will be an added advantage;
- Competent in reading and understanding Specifications, drawings, and all other discipline related Project and engineering documentation;
- Proven computer platform experience, with strong working knowledge of design and project management software, including AutoCAD, ArcGIS, etc.
- At least 2 years' experience supporting the evaluation of tender/bidding documents, preparation of Term of Reference, Engineering Change Request (ECR), Engineering Change Orders (ECO) processes, and review of electrical engineering designs.
- Working knowledge of renewable energy systems and technologies
- Proven understanding of compliance and quality assurance guidelines and best practices.
- Understanding of the energy sector in Liberia including the priorities set forth in the PAPD
- Experience working with/ in rural communities in diverse areas of Liberia will be an added advantage;
- Working knowledge of African Development Bank and/or World Bank financial management and/or procurement rules/guidelines will be an added advantage.



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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 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.

Interested and qualified candidates may **obtain a copy of the TOR** and any further information at the email address below:

Expressions of interest (CV, Cover letter and documentary evidence for fulfilling the qualifications) must be delivered to the email below; clearly marked "Electrical Engineer-RREA", by **4PM Local Time, on July 14, 2020**. Only short-listed candidates will be contacted. **Due to the COVID-19 situation interested candidates are encouraged to rely on email in submitting applications.**

**The address referred above is:**

Mr. Joseph T. Williams

Executive Director

Rural and Renewable Energy Agency (RREA)

Old LEC Sub-station, Newport Street

Monrovia, Liberia

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