



Rural and Renewable Energy Agency

Securing modern energy access for all Liberians



Liberia Renewable Energy Access Project (LIRENAP)

Project ID: P149683

REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES – INDIVIDUAL SELECTION)

Issue date: February 15, 2023

Closing date: March 1, 2023

Consultancy Services for Electrical Engineer to be assigned in Monrovia, Liberia
Contract Reference No: RREA/LIR/CONS/15

The Government of Liberia has received financing from the World Bank toward the cost of the Liberia Renewable Energy Access Project (LIRENAP) and the Liberia Electricity Sector and Strengthening Access Project (LESSAP), and intends to apply part of the proceeds for consulting services: Electrical Engineer.

The consulting services (“the Services”) include to coordinate and supervise all Electrical Works and Services under the implementation of the LIRENAP and ensure timely and effective delivery of all activities of the project directly in relations to the construction of the T&D network and Diesel power plant, in accordance with the Project Implementation Manual (PIM) and Liberia’s Renewable Energy Investment Plan under Scaling-up Renewable Energy Program.

Specific tasks that will be performed and completed over a contract period of 12 months renewable based on performance will include:

1. Technical support

In full cooperation, consultation, and collaboration with the Consulting firm (as applicable), 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 of the project, defining project implementation arrangements, coordinating inputs into project documentation related to Electrical/Electromechanical engineering works;
- Lead the preparation, review and evaluation of electrical engineering documents including Term of Reference, engineering designs, tender/bidding documents, technical reports and specifications, submittals, etc.;
- Provide required technical advice, input, and documentation to the Project Engineer/Coordinator on electrical engineering matters of the project;
- Oversee electrical engineering contracts and affirm completion of the same;
- Certify electrical engineering deliverables and initiate appropriate actions as possible;

- Supervise or 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 projects.

2. General

- Participate in information (data) gathering and desk review of all projects related documents;
 - Participate in reconnaissance, pre-feasibility, and feasibility studies for projects development;
 - Serve as local counterpart for firms or individual consultants carrying out various studies, assignments, and field missions in Liberia during projects' preparation and implementation;
 - Undergo on-the-job and other specialized trainings in various components of the aforesaid projects;
 - Preparing reports and relevant project documentations by reviewing and providing technical inputs;
 - Establish and maintain an effective communication channel with all stakeholders of projects and others;
 - Support project development activities;
3. Perform other activities as may be assigned.

I. Qualifications, Experience, and Competencies

- Minimum Bachelor's degree in electrical engineering or related field of study; a Master's degree will be an added advantage;
- At least five (5) years' work experience in electrical engineering, contract management, or project planning experience (scope, schedule, cost, quality) and appropriate involvement in similar projects in developing countries;
- Demonstrated experience in deployment of solar PV systems and distribution networks 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, specifically solar-PV systems;
- 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 Pro-Poor Agenda for Prosperity and Development and National Electrification Strategy;
- Experience working with/ in rural communities in diverse areas of Liberia will be an added advantage;
- Working knowledge of World Bank financial management and procurement rules/guidelines will be an added advantage.

II. Required Qualities



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- Ability to work under pressure and meet critical deadlines;
- Strong technical knowledge and commitment to continuous learning;
- Result oriented and strong analytical skills;
- Fluency in spoken English and ability to write lucid reports and documents in English;
- Ability to plan work in a collaborative manner and manage priorities;
- Excellent interpersonal skills, sound judgment, communication skills, ability to identify and resolve policy and operational constraints;
- Strong organization skills and ability to work in a team-oriented, culturally diverse environment;
- Ability to develop and maintain effective work relationships with clients, donors, and other stakeholders;
- High levels of personal initiative, motivation, honesty, integrity;
- Proficiency in computer applications (Internet and MS Office suite) and report writing skills.

III. Location and Reporting Line

The Electrical Engineer will be based at the offices of RREA in Monrovia, Liberia, but is expected to travel periodically to the project sites and other locations in rural Liberia. The Consultant will report to the Deputy Executive Director of Programs of the Rural and Renewable Energy Agency (RREA) or his or her designate.

IV. Duration

This is a time-based contract for a period of twelve (12) months with the high possibility of extension based on performance during the project period. The start date of assignment is expected by April 2023.

V. Output/Deliverables

The Electrical Engineer is expected to submit at least the following types of outputs:

- Detailed monthly, quarterly, and annual progress reports
- Component planning documents and performance reports
- Field Reports
- Project meeting notes and minutes
- Periodic project presentations in MS PowerPoint

VI. Facilities to be provided by the Employer

The Client will provide the following facilities to the Consultant.

- Access to all information and project related materials
- Office space
- Writing Desk and Chair
- Filing Cabinet
- Desk Tray
- Laptop Computer
- Access to Internet, and network resources
- Printing Services
- Access to Vehicle during working hours

The attention of interested individual Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" dated July 2016, revised November 2017, and August 2018 and November 2020, setting forth the World Bank's policy on conflict of interest. Please refer to paragraph 3.17 of the Procurement Regulations on conflict of interest related to this assignment which is available on the Bank's website at <http://projectsbeta.worldbank.org/en/projects-operations/products-and-services/brief/>

An Individual Consultant will be selected in accordance with the Individual Consultant Selection (ICS) method set out in the Procurement Regulations.

Further information and the detailed Terms of Reference (TOR) for the assignment can be obtained electronically at the following email addresses and Website, from Mondays to Fridays, from 0900 to 1600 hours GMT:

Email: info@rrealiberia.org

Website: www.rrealiberia.org

Expression of Interest; clearly marked **Consultant for Electrical Engineer**, must be delivered in a written form to the address below (in hard and or electronic/email copy) on or before **4:00 p.m.** Local Time, on **March 1, 2023**. Only shortlisted candidates will be contacted.

Attn: Executive Director

Rural and Renewable Energy Agency

LEC Sub-station, Newport Street

1000 Monrovia 10, Liberia

Email: josephw@rrealiberia.org

Electronic submission should also be copied to the following addresses:

info@rrealiberia.org;

stephenp@rrealiberia.org;

augustinem@rrealiberia.org.

tenniej@rrealiberia.org

Only shortlisted candidates will be contacted.