



Rural and Renewable Energy Agency

Securing modern energy access for all Liberians



Specific Procurement Notice Request for Bids Plant Design, Supply and Installation (Without Prequalification)

Employer: Rural and Renewable Energy Agency

Project: Liberia Renewable Energy Access Project (LIRENAP)

Contract title: Supply & Installation of Kaiha 2 Small Hydropower Plant in Lofa County

Country: Liberia

Grant No.: TFA1646

RFB No: RREA/LIR/G/07/2018

Issued on: August 5, 2019

Closed on: October 25, 2019

1. The Government of Liberia has received financing from the World Bank toward the cost of the Liberia Renewable Energy Access Project (LIRENAP), and intends to apply part of the proceeds toward payments under the Contract for Supply & Installation of Kaiha 2 Small Hydropower Plant in Lofa County, Liberia. For this contract, the Borrower shall process the payments using the Direct Payment disbursement method and Special Commitment Method, as defined in the World Bank's Disbursement Guidelines for Investment Project Financing, except for those payments, which the contract provides to be made through letter of credit.
2. The Rural and Renewable Energy Agency now invites sealed Bids from eligible Bidders for Supply & Installation of the Kaiha 2 Small Hydropower Plant (2.5MW) in Lofa County, Liberia. The place of destination shall be an area around the Kaiha Falls, Kolahun District, Lofa County, Liberia (Project Site) to be secured and maintained by the Contractor for the period of the works.

To be eligible for the supply and installation of the hydropower plant, bidders must meet the following criteria:

Financial Requirements

- a) Minimum average annual turnover in construction, and supply & installation of electrotechnical equipment of US\$10 million, calculated as total certified payments received for contracts in progress or completed, within the last three (3) years (2016, 2017 & 2018);
- b) Demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet the following cash-flow requirement: (i)

US\$1.8 million and (ii) the overall cash flow requirements for this contract and its current commitments;

Technical Requirements

- a) General experience in construction and/or supply & installation of electromechanical equipment under contracts in the role of contractor, subcontractor, or management contractor for at least the last 10 years starting 1st January 2008.
- b) Specific experience:
 - i) Participation as contractor, joint venture member, management contractor, or subcontractor, in at least two (2) contracts within the last ten (10) years, each with a value of at least eight million US dollars (US\$8,000,000.00), that have been successfully and substantially completed and that are similar to the proposed Plant and Installation Services. The similarity of the contracts shall be based on the following:
 - Design, supply & installation/ construction of at least a 2MW low head hydropower plant comprising a dam/weir, intake structure, vertical lift fixed wheel gates, horizontal “S” type Kaplan hydro turbine, surface powerhouse, etc. that is controlled and protected by a Micro Processor based SCADA system. The detailed engineering design activities as well as the supply and installation of turbines/ generators, transformers/switch room may also be met through a specialized subcontractor.
 - ii) For the above or other contracts executed during the period stipulated in above, a minimum experience in the following key activities:
 - Engineering design of Low Head hydropower plant ($\geq 2\text{MW}$): complete civil and electromechanical designs
 - Civil construction works for hydro power plants involving:
 - A Concrete Gravity (embankment?) Dam/ Barrage/ weir of height $\geq 6\text{m}$: 4300 m³ of concrete
 - Power house and or control/switch room: must contain at least 4 turbines/ generators
 - Supply and installation of hydro turbine (horizontal “S” type Kaplan)/ horizontal shaft hydro generators ($\geq 400\text{kV}$): ≥ 4
 - Supply and installation of vertical lift fixed wheel gates or slide gates and or Steel Lined Penstocks: ≥ 4
 - Supply and or installation of power station type step up transformers and SCADA controlled indoor switchgears ($\geq 11\text{kV}$): ≥ 4 bays

Any of the above key activities may also be met through a specialized subcontractor.

3. Bidding will be conducted through the International Competitive Bidding procedures as specified in the World Bank’s Guidelines: Procurement of Goods, Works and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers (January 2011) revised 2014, and is open to all eligible bidders as defined in the Procurement Guidelines. In addition, please refer to paragraphs 1.6 and 1.7 setting forth the World Bank’s policy on conflict of interest.

4. Interested eligible bidders may obtain further information from the Rural and Renewable Energy Agency and inspect the bidding documents at the address stated below from 0900 to 1700 hours, Monday to Friday excluding public holidays. More information on how to purchase bidding documents can be obtained by contacting Mr. Samuel B. Nagbe samueln@rrealiberia.org and/or Mr. Lester Kroma at lesterk@rrealiberia.org.
5. A complete set of bidding documents in English may be purchased by interested bidders upon the submission of a written application to the address below and upon payment of a non-refundable fee of US Dollars Three Hundred (**US\$ 300.00**). The method of payment will be a direct payment into **Rural Energy Fund Account No: 53030030000064 Swift Code No. UNAFRLRM held with United Bank for Africa (UBA) Liberia or at the Finance Department of RREA**, and submitting the payment advice as evidence to collect the Bid Documents. The document will pick up from our office. An additional amount will be charged for deliveries by courier.
- 6 A Pre-Bid meeting will take place at the following date, time and place:
 Date: **September 9, 2019 (Preliminary) & September 13, 2019 (Final)**
 Time: **10:00 Hours GMT**
 Place: **Conference Room, RREA, Newport Street, LEC Old LEC Sub Station, Monrovia**
 A site visit conducted by the Employer **shall be September 10 – 12, 2019**.
7. Bids must be delivered to the address below at or before **10:00 Hours GMT on October 25, 2019**. Electronic bidding will not be permitted. Late bids will be rejected. Bids will be opened in the presence of the bidders' representatives who choose to attend in person at the address at the end of this IFB at **10:00Hours GMT on October 25, 2019**.
8. All Bids must be accompanied by a Bid security in the amount of US\$ 200,000.00.
9. The address (es) referred to above is (are):

For inspection and purchase of bidding documents: Samuel B. Nagbe Jr. Project Coordinator Liberia Renewable Energy Access Project(LIRENAP), Rural and Renewable Energy Agency LEC Substation, Newport Street Monrovia, 10 Liberia Email. samueln@rrealiberia.org and a copy to: lesterk@rrealiberia.org, stephenp@rrealiberia.org	For Submission of bids: Attention: Project Coordinator Liberia Renewable Energy Access Project, Rural and Renewable Energy Agency, Old LEC Substation, Newport Street Monrovia, Liberia
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