



# Standard Procurement Documents



# **REOI - Consulting Firms**

1<sup>st</sup> Edition

December 2020



# Foreword

This REOI is based on the 1<sup>st</sup> edition of the IFAD-issued standard procurement document for REOI advertisement – consulting firms to be used in projects financed by IFAD, available at [www.ifad.org/project-procurement](http://www.ifad.org/project-procurement).

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# REQUEST FOR EXPRESSIONS OF INTEREST (Consulting Firms)

[LIBERIA]

[BUILDING CLIMATE RESILIENCE PROJECT]

## Assignment Title:

**REQUEST FOR EXPRESSION OF INTEREST (REOI) FOR A FIRM TO CONDUCT FEASIBILITY STUDIES AND DESIGN FOR THE CONSTRUCTION OF 30 EARTH DAMS / PONDS FOR FISH FARMING IN BONG COUNTY**

Country	Liberia
Project	Building Climate Resilience in Liberia's Rice & Cocoa Sectors Project (BCRP)
Assignment Title	Conduct feasibility studies and design for the construction of 30 earth dams / ponds for fish farming in Bong County

## 1.0 Context

The Adaptation Fund is an additional financing to the IFAD baseline projects, TCEP and TCEP-II in Nimba, Lofa and Bong Counties with the aim of building the adaptive capacities of 25,000 beneficiaries to the shocks of climate change. Cocoa, rice and vegetable production are enterprises promoted in this project. The goal of the BCRP project is that livelihoods and resilience to climate change of rural farming in households Liberia are improved. The objective of the Project is to promote agriculture as a business for enhanced incomes and reduced rural poverty.

The Project consists of the following Components:

**Component 1 - Climate-proofed agricultural production and post-harvest combined with livelihood diversification:** This component focuses on household/village-level interventions in climate resilient and sustainable agriculture in order to reduce the negative impacts from climate change and climate variability, as well as to contribute to agricultural and rural livelihood development through income diversification. The sub-components include: *Sub-Component 1.1:* Adaptation measures to foster the resilience of cocoa and rice production and post-harvest are implemented along the cocoa value chain; and *Sub-Component 1.2:* Income-generating activities (fish farming and gardening) are promoted as livelihood diversification measures: With regard to this output, the actions to be taken include: (1) Construction of earth dams; (2) Establishment of fish farms; and (3) Establishment of integrated vegetable gardens.

**Component 2 - Climate resilient rural infrastructure:** The sub-components' goals include: *Sub-Component 2.1:* Rural transportation and storage infrastructure have been rehabilitated and upgraded to withstand weather extremes. Activities under this output are: (1) Warehouse

rehabilitation to withstand wetter climatic conditions; and (2) To sustain the climate-proofed investment over a longer period of time, activities will be undertaken to rehabilitate and maintain 90 km of rural roads; and *Sub-Component 2.2*: Potable water supply increased and sanitation infrastructure-built accounting for current and future climate risks. Activities include: (1) Climate-proofed construction and rehabilitation of drinking water supply and sanitation; and (2) Capacity building for potable water management will complement the construction and rehabilitation.

**Component 3 - Institutional capacity development and policy engagement:** This component consists of one sub-component: *Sub-Component 3.1* - Governmental capacities are strengthened for climate change adaptation: The activities will consist in: (1) Strengthening of EPA's capacities and staff on climate change adaptation; (2) Strengthening of the Meteorological Department, including capacity building through technology enhancement and training to enhance institutional capacity; and (3) Technical support.

The project will be implemented in eight (8) districts in Bong County, eight (8) districts in Nimba County and seven (7) districts in Lofa County over a period of six (6) years. The Ministry of Agriculture (MOA) is the executing agency.

The Ministry of Agriculture intends to apply portion of the funding to solicit the services of a reputable and qualified firm to conduct feasibility studies and design for the construction of 30 earth dams / ponds for fish farming in Bong, Nimba and Lofa Counties as specified under sub-component 1.2.

## **2.0 Objective of the Consulting Services**

The objective of this consulting services is to conduct feasibility studies and design for the construction of 30 earth dams / ponds for fish farming in Bong, Nimba and Lofa Counties. The proposed sites for the 30 earth dams / ponds for fish farming have already been identified but the feasibility studies will inform whether these sites are feasible for the construction of the earth dams / ponds.

## **3.0 Scope of work**

The firm will work under the overall guidance and supervision of the BCRP Project Coordinator / Technical Lead. Specifically, the firm will:

- Submit inception report including activity implementation work plan detailing the methodological approach for the entire assignment covering all items under “Scope of Work” as outlined in this TOR prior to the commencement of the assignment;
- Collect and analyze available data, studies, maps and anecdotal information necessary for feasibility studies and design, including but not limited to: Climate data, hydrological records and water resources assessments, soil and geological/geotechnical data, socio-economic information, etc.;
- Conduct site inspection / field investigation to have an informed knowledge on the hydrology, topography, geology, upstream and downstream water uses and

assessment of the potential impact of the intervention, economic activities in the surrounding areas and market assessment of fish production, and mapping of the proposed sites necessary for feasibility studies and design. Environmental conditions of the proposed sites will also be considered;

- Conduct feasibility studies and design of earth dams / ponds and related structures, including preparation of schematic drawings, technical specifications, quantities and cost estimates and detailed implementation plan for works. The size of the dams / ponds will range from 300 m<sup>2</sup> - 500 m<sup>2</sup> depending on the various features of the sites;
- Recommend appropriate fishery production inputs, management systems and strategies to ensure maximum sustainable yield as well as sustainability of the facilities;
- Prepare schedules for the construction of the earth dams / ponds;
- Submit a final feasibility studies and design report upon completion of the assignment to the Project Coordinator / Technical Lead;
- Perform other potential duties for the successful implementation and completion of the assignment.

#### 4.0 Deliverables

The firm will be expected to deliver the following outputs:

- GPS coordinates for earth dams / ponds established;
- Draft feasibility studies and design as well as schematic drawings completed;
- Bills of quantities (BOQs) to accompany the engineering drawing to inform the implementation budget is completed;
- Schedules for construction of earth dams / ponds finalized;
- Final feasibility studies and design reports submitted.

#### 5.0 Timing of the Assignment

The timing of the assignment is 45 working days spread over calendar three months period. Tentative implementation schedule is detailed in the table below:

No.	Activities	Months		
		1	2	3
1	Submit inception report including activity implementation work plan detailing the methodological approach for the entire assignment covering all items under “Scope of Work” prior to the commencement of the assignment.			

2	Discussion meeting with BCRP Team including relevant stakeholders to provide information leading to the selected communities and sites			
3	Collect and analyze available data, studies, maps and anecdotal information necessary for feasibility studies and design, including but not limited to: Climate data, hydrological records and water resources assessments, soil and geological/geotechnical data, socio-economic information, etc.;			
4	Conduct site inspection / field investigation to have an informed knowledge on the topography geology, upstream and downstream water uses and assessment of the potential impact of the intervention, economic activities in the surrounding areas and market assessment of fish production, and mapping of the proposed sites necessary for feasibility design. Environmental conditions of the proposed sites will also be considered			
5	Draft feasibility studies and design of earth dams / ponds and related structures, including preparation of schematic drawings, technical specifications, quantities and cost estimates and detail implementation plan for works			
6	Final feasibility studies and review of evaluation report presentation submitted			

## 6.0 Coverage of the Assignment

The feasibility studies and design will target 30 earth dams / ponds across 23 districts in Bong County (8 districts), Nimba County (8 districts) and Lofa County (7 districts). Listed below are the districts to be covered:

### Distribution of ponds by districts:

No.	District	Number of Earth Dams / Ponds
<b>Bong County</b>		
1	Yellequelleh	2
2	Jorquelleh 2	1
3	Jorquelleh 3	1
4	Suakoko	1
5	Kpail	1
6	Panta	1
7	Sanoyea	1
8	Zota	2
<b>Nimba County</b>		
9	Buu-Yao	1
10	Twah River	1
11	Gbehlay-Geh	1
12	Boe & Quilla	1

13	Saclepea-Mahn	2
14	Kparblee	1
15	Yarwein Mensonnoh	1
16	Zoe Gbao	2
<b>Lofa County</b>		
17	Salayea	1
18	Zorzor	1
19	Voinjama	1
20	Quardu Gbondi	2
21	Kolahun	1
22	Foya	2
23	Vahun	2
<b>Total</b>		<b>30</b>

## 7.0 Expertise Requirements and Qualification

The firm must either be an agricultural engineering, aquaculture engineering and / or irrigation engineering related firm. The firm must have extensive and proven solid experience in the conduct of feasibility studies and design in the construction of earth dams / ponds for fish farming and must have successfully implemented at least 1 similar project in the past 5 years. Experience in similar role for donor-financed projects is an added advantage. Also, the firm must have acquired experience, knowledge and be familiar with the aquaculture industry in the sub-region. The profile of the firm including the list of qualified personnel with relevant qualification should be attached. The personnel required for this assignment include the following:

<b>Position</b>	<b>Qualification</b>
Aquaculture Specialist – Team Leader	Must have a Master’s degree in Aquaculture Engineering or equivalent, with at least five (5) years of professional experience in the field of aquaculture.
Irrigation Engineer – Assistant Team Leader	Must have a Master’s degree in Irrigation Engineering or equivalent, with at least five (5) years of professional experience in the field of water resources planning and management including planning and design of irrigation system.
Soil Engineer	Must have a Bachelor’s degree in Agricultural Engineering or equivalent, with at least three (3) years of professional experience in the field of soil engineering or land resource.
Architectural / Civil Engineer	Must have a Bachelor’s degree in Architectural / Civil Engineering or equivalent, with at least three (3) years of professional experience in the field of



	architectural / civil engineering and in preparation of quantity and cost estimates of civil works.
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### 8.0 Facilities and Information to be provided by the client

The IFAD PIU is will provide to the consultant the relevant information / documents to assist in carrying

**Reference No.** : LIB/IFAD/BCRP/CS-02/23

A consultant will be selected in accordance with the **Least Cost selection** method set out in IFAD' project procurement handbook that can be accessed via the IFAD website at [www.ifad.org/project-procurement](http://www.ifad.org/project-procurement).

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

Any request for clarification on this REOI should be sent via e-mail to the address below [evah@moa.gov.lr](mailto:evah@moa.gov.lr) no later than **4:00pm, 8 April, 2023**. The client will provide responses to all clarification requests by **[5:00pm, 10, April 2023]**.

Expressions of interest must be submitted in **softcopy** to the email address below using the forms provided for this purpose. EOIs shall be submitted to the address below no later than **13, April 2023 by 4.00pm**:

**recruit@moa.gov.lr,**

IFAD PIU/PMU/MOA

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