



REQUEST FOR EXPRESSION OF INTEREST (REOI) FOR AN INDIVIDUAL CONSULTANT / CONSULTING FIRM TO CONDUCT FEASIBILITY STUDIES AND DESIGN FOR CRITICAL SPOTS IMPROVEMENT OF 90 KM OF RURAL FEEDER ROADS 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 critical spots improvement of 90 km of rural feeder roads 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 households in 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' goal 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 improve critical spots on 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 activities.

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 individual consultant / consulting firm to conduct feasibility studies and design for the improvement of critical spots on 90 km of rural feeder roads in Bong County. The 90 km were identified during community mobilization, sensitization and registration of beneficiary farmers. Bong County is being targeted for improvement of critical spots because Nimba and Lofa Counties have already been targeted for the rehabilitation of 310 km rural feeder roads under TCEP (200 km) and TCEP-II (110 km). Notwithstanding, the project is targeting beneficiaries' farmers along the rice, vegetable, poultry and inland fishery value chains in Nimba and Lofa Counties.

2.0 Objective of the Assignment

The objective of this assignment is to conduct feasibility studies and design for the improvement of critical spots on 90 km of rural feeder roads in Bong County. The length / stretch of roads from start to end point will be measured to determine total road length.

3.0 Scope of the Assignment

The individual consultant / consulting firm will liaise with the Bong County Resident Engineer (CRE) and work under the overall guidance and supervision of the BCRP Project Coordinator / Technical Lead. Specifically, the individual consultant / consulting firm will:

- Conduct site inspection / field investigation to have an informed knowledge on the topography 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 bridges and structures, including detailed designs to reconstruct existing log / unprotected bridges if any and building new reinforced concrete ones; carry out hydraulic design calculations to determine types of drainage structures, road culverts, box culverts and proposed material required; provide details of gravel and earth works, construction specifications, bill of quantities, engineering cost estimates; and prepare detailed drawings for structural elements that may be used by construction companies to detail quantities, particularly for concrete, steel, etc. and for implementation;
- Collect data to determine the sizes of road widths and drainage structures relative to road terrain and targeted population / beneficiaries;
- Prepare road maintenance plans, especially to ensure that the plan is a gender-inclusive and approaches suitable for mainstreaming local labor-based appropriate technologies to enhance employment benefits (with particular focus on women and youth groups) have been identified;

- In liaison with the Procurement Officer, assist in the preparation of bidding documents for procurement of civil works and provide technical assistance services in accordance with standards and requirements of IFAD;
- Detail out a tentative implementation schedule for works;
- Organize the presentation of findings and structural design;
- 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 individual consultant / consulting firm will be expected to deliver the following outputs:

- Provide site inspection report;
- Provide road maintenance plan
- Assist to complete set of bidding document
- GPS coordinates (start and end points) for the different road corridors identified;
- Draft feasibility studies and schematic drawings completed;
- Bills of quantities (BOQs) to accompany the engineering drawing to inform the implementation budget is completed;
- Schedules for roads' spot rehabilitation finalized;
- Final feasibility studies and design reports submitted.

5.0 Timing of the Assignment

The timing of the assignment is 35 working days (21 days in the field, 7 days for data analysis and design, and 7 days for review of evaluation report and presentation) from the date of receiving IFAD's No Objection. The implementation schedule is detailed in the table below:

No.	Activities	Weeks					
		1	2	3	4	5	6
1	Submit work plan for the assignment for approval						
2	Discussion meeting with BCRP Team including relevant stakeholders to provide information leading to the selected communities and sites						
3	Conduct site inspection / field investigation alongside the CRE to have an informed knowledge on the topography and mapping of the proposed road corridors necessary for feasibility design. Environmental conditions of the proposed road corridors will also be considered						
4	Feasibility studies and design of roads and related structures, including preparation of schematic drawings, technical specifications, quantities and cost estimates and detail implementation plan for works						

5	Final feasibility studies and review of evaluation report presentation submitted								
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6.0 Coverage of the Assignment

The feasibility studies and design will initially target 45 km across eight (8) districts in Bong County in year 1 and 45 km in year 2. Listed below are the districts to be covered and length of roads (km):

No.	District	Length of Roads
Bong County		
1	Yellequelleh	TBD
2	Jorquelleh 2	TBD
3	Jorquelleh 3	TBD
4	Suakoko	TBD
5	Kpaii	TBD
6	Panta	TBD
7	Sanoyea	TBD
8	Zota	TBD
Total		90

7.0 Qualifications and Experience

The individual consultant / consulting firm must either be a civil / infrastructure engineering, construction management or administration related consultant / firm. The individual consultant / consulting firm must have extensive and proven solid experience in the conduct of feasibility studies and design for critical spots improvement of rural feeder roads 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 individual consultant / consulting firm must have acquired experience, knowledge and be familiar with critical spots improvement of rural feeder roads in the sub-region. The profile of the individual consultant / consulting firm including the list of qualified personnel with relevant qualification should be attached. The individual consultant / consulting firm's Technical Lead must have an advanced university degree and at least 5 years' experience in civil / infrastructure engineering, construction management or administration from a recognized university / institution or in related field. He / she must be a qualified chartered / registered professional civil / infrastructure engineer or approved equivalent.

8.0 Facilities and Information to be provided by the client

The IFAD PIU is expected to provide the individual consultant / consulting firm with the relevant information / documents to assist in carrying out the required tasks.

9.0 Applications:

Please send a soft copy of your expression of interest by **24 of November 2022 by 4.00pm** to:

recruit@moa.gov.lr

IFAD PIU/PMU/MOA

Ministry of Agriculture Annex, Libsuco Compound

Somalia Drive, Gardnersville, Montserrado County

Telephone: 0886985253

The subject line should read: **EOI for Consulting Services for the Conduct of Feasibility Studies and Design for Critical Spots Improvement of Rural Feeder Roads.**

Only pre-selected individual consultants / consulting firms will be contacted.