



Strengthening Agricultural Resilience Through Transformational Livelihood Adaptation in Liberia (SARTLA)

Project Management Unit, Ministry of Agriculture, Republic of Liberia

Date: July 28, 2026

Line Nr: 1201

I. CONSULTANCY SUMMARY

Job Title	<i>National Consultant - GIS specialist to conduct the land use assessment based on satellite images</i>		
Institution	Ministry of Agriculture		
Program/Project Number/ GEF Project ID number	11447		
Activity Result	Improve management of the agro-ecological landscape and climate resilient food production technologies for farmers and fishers		
Application Deadline	August 14, 2026		
Location	Montserrado County		
Reports to	SARTLA Project Manager	Consultancy Duration:	60 days

II. PROJECT BACKGROUND

Liberia's smallholder fishers and farmers are experiencing increasing climate change related risks to their livelihoods. Flooding of agricultural land after heavy rainfall events, especially in combination with high average temperatures and the occurrence of extreme heat spells are a direct cause of post-harvest losses and the occurrences of crop pests and diseases. Marine heatwaves, and coastal storm surges lead to a deterioration of fish stock, coastal erosion and coastal flooding. These hazards are projected to increase in frequency, intensity and duration. The capacity of smallholder farmers and fishermen and associated micro, small and medium sized enterprises (MSME's) to adapt to these climate related risks is low. Land, forest and coastal degradation, inadequate extension services, limited infrastructure and insufficient financial incentives and mechanisms have already held back smallholder agriculture and fishery sectors in terms of production, value chain development and sustaining livelihoods and food security. Additionally, options that help build adaptive capacity, such as alternative livelihoods in sustainable ecotourism are still underexplored.

The project's objective is 'building climate resilience in natural-resource dependent rural communities of Liberia through systems-based, transformational adaptation in the agricultural, fisheries and ecotourism sectors.' It will increase smallholder adaptive capacity by restoring natural resources, strengthening extension services, strengthening access to finance, and strengthening sustainable value chains. It will employ a combination of interventions that focus on

- i) the adoption of resilient and regenerative practices among farmers and fisherfolks to improve productivity while at the same time reducing environmental impacts,
- ii) linking local livelihoods to sustainable value chains, developing alternative livelihood strategies such as those linked to eco-tourism, and fostering market access through business skills training, and



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- iii) providing an enabling innovative finance environment that fosters private sector engagement, links actors along the value chain and scales the development of sustainable enterprises based along the value chain. The project is expected to bring 3640 ha of land and coastal areas under improved management for climate resilience, capacitate an overall of 81,800 people in the seven target counties to identify climate change impacts and appropriate adaptation responses, mobilize 500,000 (US\$) investment from private sector sources and incubate or accelerate 30 MSMEs enterprises engaged in climate change adaptation and resilience action with technical assistance, financial matchmaking, and/or direct financing.

III. OBJECTIVE OF THE ASSIGNMENT

The main objective of the consultancy is to conduct the land use assessment based on satellite images.

IV. SCOPE OF WORK

Under the supervision of the Project Manager, and in consultation with relevant stakeholders, the consultant will:

- Conduct Land Use Mapping and Assessment.
- Analyze satellite imagery to map and classify land use patterns in Liberia, covering urban, rural, agricultural, forested, and other land categories.
- Integrate multiple satellite image datasets, including high-resolution images, to create up-to-date land use maps for various regions
- Collect and process satellite imagery from reliable sources, ensuring the data is relevant and of high quality for land use classification
- Collaborate with local stakeholders and experts to obtain ground truth data, existing land use maps, and other relevant geographic datasets.
- Perform temporal analysis to detect land use changes over time (e.g., deforestation, urban sprawl, agricultural expansion)
- Conduct field validation and/or use remote sensing accuracy assessments to ensure the classification results are accurate.
- Create and maintain geospatial databases to manage, store, and organize the land use data and other geographic datasets.
- Perform any other GIS-related duties as needed by the project

V. DELIVERABLES

Deliverables	Description	Timeline
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Inception report	The inception report should include methodologies, Mapping framework and a detailed work plan and schedule for completing the tasks.	One week after signing contract
Draft Final Report	Detail analysis and recommendation	Week 4 & 5
Final Report	Final report integrating feedback from stakeholders, UNDP, EPA, MOA	Week 7 & 8

VI. PAYMENT SCHEDULE

The consultancy is expected to be completed within three months with a total of 60 working days. Payment will be made in tranches based on successful submission and approval of key deliverables as outline in the schedule.

Terms of Payment	Percentage %	Timeline	Deliverables
Instalment 1	50	2 weeks after the signing of the contract	Inception report
Instalment 2	30	5 weeks after the signing of the contract	Draft final report
Instalment 3	20	8 weeks after signing the contract	Final report
Total	100		

VII. QUALIFICATIONS AND EXPERIENCE

Education/Experience

The successful Consultant will have the following minimum requirements:

Education:

Advance University Degree (Master's degree or higher) in environmental and social sciences, Economics, Natural Resource Management or related fields with proven experience in qualitative and quantitative data collection and analysis, climate change modelling, and GIS and Remote Sensing.

Experience:



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- ✓ At least 5 years of professional experience in environmental modelling, land use and planning and GIS and Remote Sensing.
- ✓ Experience in conducting biophysical and socio-economic modelling.
- ✓ Experience specifically in the development of maps
- ✓ Good understanding of livelihoods and conservation of natural resources
- ✓ Fluency in English
- ✓ Excellent analytical and report writing skills.
- ✓ Proactive and able to work with minimal supervision and high degree of initiative, reliability, flexibility, and self-motivation.
- ✓ Professionalism: flexibility to make ad-hoc changes as and when the need arises; ability to perform under stress; willingness to keep flexible working hours.

VIII. CONTRACT & REPORTING

The consultant will work under the supervision of the SARTLA Project through the Project Manager. The PIU will provide access to relevant project documents, facilitate stakeholder engagement, and support validation meetings. The consultant will be responsible for all logistical arrangements, including travel and communications.

Ministry of Agriculture reserves the right to terminate the contract should the consultant's performance fall below agreed standards or fail to meet the project's requirements.

IX. SUBMISSION OF APPLICATION

Interested applicants should submit the following:

- A detailed technical proposal and cover letter outlining the approach to the assignment.
- Updated CV highlighting relevant qualifications and experience.
- Financial proposal

Evaluation Criteria for Applicants

1. Technical Competence (40 points)

- **Understanding of the Assignment (10 points)**
 - Clear articulation of the objectives and scope of work in the proposal.
 - Demonstrates understanding of Liberia's landscape and geographical pattern context.
- **Proposed Methodology and Work Plan (15 points)**
 - Logical, practical, and evidence-based approach for mapping and analysis.
 - Inclusion of stakeholder consultation plan and validation process.



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- Alignment with international guidance (UNDP, GEF frameworks).
- **Innovation and Best Practices (5 points)**
 - Use of comparative benchmarks or lessons learned from similar contexts.
 - Clear strategies for sustainability and policy integration.
- **Risk Management and Quality Assurance (5 points)**
 - Identification of potential challenges and mitigation strategies.
 - Mechanisms for quality control of deliverables.
- **Work Plan and Timelines (5 points)**
 - Realistic timeline aligned with deliverable schedule in the TOR.

2. Qualifications and Relevant Experience (35 points)

- **Academic Background (5 points)**
 - Advance University Degree (Master's degree or higher) in environmental and social sciences, Economics, Natural Resource Management, or related field.
- **Professional Experience (15 points)**
 - At least 5 years of professional experience in environmental modelling, land use and planning and GIS and Remote Sensing.
 - Experience in conducting biophysical and socio-economic modelling.
 - Experience specifically in the development of maps
- **Regional/Local Experience (5 points)**
 - Prior work experience in Liberia or similar ecological and institutional contexts.
- **Stakeholder Engagement Skills (5 points)**
 - Evidence of successful consultations and participatory processes in previous assignments.

3. Institutional and Individual Capacity (10 points)

- Demonstrated ability to deliver assignments within the given timeframe.
- Organizational structure and roles (if applying as a firm).

4. Financial Proposal (15 points)

- **Cost Effectiveness and Value for Money (10 points)**
 - Realistic and justified budget aligning with work scope.
- **Transparency of Cost Structure (5 points)**
 - Clear breakdown of fees, logistics, and other costs.

Total: 100 points

- **Technical Proposal: 85 points**
- **Financial Proposal: 15 points**



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Minimum Technical Score to Qualify: 70 points

ATTENTION:

***Female candidates are highly encouraged to apply!**

All expressions of interest must be delivered by email to the address below, before or on August 14, 2026 @23:59 GMT. Please indicate in the subject line “**1201 - GIS specialist to conduct the land use assessment based on satellite images.**”

Mr. Allen Paulono
Procurement Officer
Project Management Unit
SARTLA Project
apaulono@gmail.com

COPY: sm.sartla.me@gmail.com
mosebiah@yahoo.com

Any submission received after the above deadline will not be considered. Only applicants who meet the requirements as outlined will be considered for evaluation. Eligibility criteria and the selection procedure shall be in accordance with the Public Procurement and Concessions Commission (PPCC) law and amended regulations.

NOTE: This information is also posted on <https://www.moa.gov.lr/>, <http://www.ekmsliberia.info>, <https://www.undp.org/>, and can be found in local dailies.

Prepared By: Sonkarlay Myers Signature: _____ Date: _____
Monitoring & Evaluation Officer

Attested By: Moses K. Biah Signature: _____ Date: _____
Acting Project Manager

Approved By: Hon. Antoinette F. Dukuly Signature: _____ Date: _____
Deputy Minister for Administration, MOA