

Health and Safety Plan

27/3/2018

CEPF Grant 103913

United Purpose

***Integrated Mangrove Forest Management and Livelihoods in Nigeria (IMFOMALN)
Project***

Cross River State, Nigeria

Grant Summary

1. Grantee organization.

United Purpose (UP).

2. Grant title.

Integrated Mangrove Forest Management and Livelihoods in Nigeria (IMFOMALN) Project – Critical Ecosystem Partnership Fund

3. Grant number.

CEPF-103913

4. Grant amount (US dollars).

\$260,000

5. Proposed dates of grant.

1 July 2018 – December 2020

6. Countries or territories where project is located.

Cross River State, Nigeria

7. Full name, title, telephone numbers, and electronic mail address of Grantee personnel responsible for the health and safety plan.

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8. Summary of the project.

The Integrated Mangrove Forest Management and Livelihoods in Nigeria (IMFOMALN) Project will support 15 communities in three Local Government Areas (LGAs) to carry out sustainable forest management and livelihoods practices over a period of 30 months. The project aims to generate increased awareness on mangrove conservation needs and support communities to translate their commitment into the development, implementation and enforcement of practical and comprehensive Sustainable Community Forest Management Plans. The project will also build the capacity of Mangrove Action Watch (MAW), a Community-Based Organization dedicated to mangrove management and conservation. Targeted support will be provided to increase the productivity, profitability and sustainability of (agricultural) livelihoods activities that can form viable alternatives to activities that drive ecosystem depletion and destruction. The project will also support MAW and their communities to regenerate areas of depleted forest, as well as to establish and operate woodlots for sustainable firewood harvesting – further reducing reliance on mangrove resources. Finally, the project seeks to contribute to the body of evidence on participatory forest management and alternative livelihoods approaches.

9. Date of preparation of the health and safety plan.

27 March 2018

10. **Describe the component of your project that has raised health and safety issues:** This section should explain the activities that might cause concern about health and safety.

Activity	Risks	Likelihood
3.3A Fish (pond) farming	There are potential Health and Safety concerns for children around the fish ponds. Children who do not know how to swim may fall in the water.	Low
3.3A7/3.3C4 Borehole construction	There are potential Health and Safety concerns related to borehole construction – though this will be outsourced to contractors.	Low
3.3B/3.3C Semi-mechanized cassava-processing	There are potential Health and Safety concerns around improper use and handling of processing equipment.	Low
3.3D/E Pig rearing	There are potential Health and Safety concerns around pathogens – some of which may be transmissible to humans. There are potential Health and Safety concerns around disinfection/decontamination of pens after production cycles. This is likely to involve handling of disinfectants such as chlorines.	Low
4.3/4.4 Mangrove and woodlot nurseries development and establishment	There are potential Health and Safety concerns around the use of boats required to access likely regeneration/woodlot sites. There are potential Health and Safety concerns in the nursery development and planting site, associated with the use of equipment like machetes (cutlass), shovels, diggers, etc.	Low

11. **Actions to ensure health and safety:** Describe actions that will be taken to ensure the health and safety of workers as well as the site. Include a description of waste management and/or disposal.

Activity	Risks	Mitigation/safeguarding measures
3.3A Fish (pond) farming	There are potential Health and Safety concerns for children around the fish ponds. Children who do not know how to swim may fall in the water.	Health and Safety will be considered in site selection (not close to where children play) Communities will be sensitized on pond safety and may decide to take additional measures that reduce access by children.

<p>3.3A7/3.3C4 Borehole construction</p>	<p>There are potential Health and Safety concerns related to borehole construction – though this will be outsourced to contractors.</p>	<p>Contractors will only be selected if they meet a number of minimum standards, including: Health & Safety training for all employees</p> <p>Designated drilling site supervisor - to ensure community members, and especially children do not come into drilling proximity.</p> <p>Procedures for reporting hazardous conditions.</p> <p>Participation in waste reduction through re-use of drill cuttings as landfills.</p> <p>Avoidance of unnecessary use of hazardous materials and products, seeking substitutions when feasible. When such materials must be used, stored or disposed of, take reasonable steps to protect both human health and the environment.</p> <p>The borehole contractor’s decision-making process integrates the consideration of environmental concerns and the impact on such.</p> <p>The contractor will be made aware that their staff need to wear protective gear. However, if staff fail to comply this will be liability of the contractor.</p>
<p>3.3B/3.3C Semi- mechanized cassava- processing</p>	<p>There are potential Health and Safety concerns around improper use and handling of processing equipment.</p>	<p>Installation and training on use of equipment includes safe machine operating standards;</p> <p>Communities will be required to adhere to safe machine operating standards;</p> <p>Failure to comply may result in suspension of operations.</p>
<p>3.3D/E Pig rearing</p>	<p>There are potential Health and Safety concerns around pathogens – some of which may be transmissible to humans.</p> <p>There are potential Health and Safety concerns around disinfection/decontamination of pens after production cycles. This is likely to involve handling of disinfectants such as chlorines.</p>	<p>Communities will be trained on recognizing and responding to disease outbreak by a veterinarian.</p> <p>Communities will be trained on use of hazardous chemicals (handling, storage, use and disposal)</p> <p>A lockable storage unit will be established for disinfectants</p>

		Communities will be engaged in the development of a disease outbreak response plan (notifying authorities, culling and burning animals etc. in line with national regulations)
4.3/4.4 Mangrove and woodlot nurseries development and establishment	<p>There are potential Health and Safety concerns around the use of boats required to access likely regeneration/woodlot sites.</p> <p>There are potential Health and Safety concerns in the nursery development and planting site, associated with the use of equipment like machetes (cutlass), shovels, diggers, etc.</p>	<p>Boats hired will meet minimum standards</p> <p>Life vests need to be worn by all staff entering boats</p> <p>There will be a safety talk before any activity begins</p> <p>Personal Protective Equipment (PPE) will be available to all those working in the nursery and woodlot establishment sites</p>

12. Budget: Please provide an estimate of the cost of implementing the health and safety plan, and clarify the source of funds (including if these are CEPF funds)

Health and Safety will be an integrated component of all trainings and installation/construction of activities. Where external training is required (e.g. by a veterinarian) this has been included in the project budget (CEPF funds).

13. Monitoring and Evaluation: This section aims to outline what steps the proponent will take to monitor and evaluate the impact of the proposed intervention.

The baseline environmental and social impact will result in a full environmental and social management plan. Health and Safety will be considered during this exercise. The NGOCE Livelihoods Officer will report on a monthly basis on relevant indicators developed as part of the monthly progress report.

This is likely to include indicators on:

- Application of integrated farming/aquaculture/forest techniques;
- Application of appropriate waste management/disposal techniques;
- Application of appropriate storage and application of disinfectants;
- Adherence to Health and Safety Protocols.

The NGOCE Livelihoods Officer will conduct bi-monthly follow-up visits and will be required to document and report any issues of Health and Safety concern to determine follow-up actions. This will be an additional safeguard in addition to community safeguarding protocols. Furthermore, a risk audit/assessment will be done every 6 months.