



TERMS OF REFERENCE (TOR) TO ENGAGE A CONSULTANT TO PREPARE AN ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP) FOR THE CONSTRUCTION ACTIVITIES OF THE AFRICA CENTER OF EXCELLENCE FOR MYCOTOXIN AND FOOD SAFETY (ACEMFS) FEDERAL UNIVERSITY OF TECHNOLOGY (FUT) MINNA, NIGERIA

1.0 - Introduction

The Africa Higher Education Centers of Excellence (ACE) Project is a World Bank initiative in collaboration with governments of participating countries to support Higher Education institutions in specializing in Science, Technology, Engineering and Mathematics (STEM), Environment, Agriculture, applied Social Science / Education and Health. It is the first World Bank project aimed at the capacity building of higher education institutions in Africa.

The first phase (ACE I) was launched in 2014 with 22 Centers of Excellence in nine (9) West and Central African countries; Benin, Burkina Faso, Cameroon, Côte d'Ivoire, Gambia, Ghana, Nigeria, Senegal and Togo. The Project aims to promote regional specialization among participating universities in areas that address specific common regional development challenges. It also aim to strengthen the capacities of these universities to deliver high quality training and applied research as well as meet the demand for skills required for Africa's development. The second phase (ACE II) was launched in East and Southern Africa with 24 centers across Ethiopia, Kenya, Malawi, Mozambique, Rwanda, Tanzania, Uganda and Zambia.

Based on the initial successes, the World Bank and in collaboration with the African governments, launched the ACE Impact Project in 2018 to strengthen post-graduate training and applied research in existing fields and support new fields that are essential for Africa's economic growth. There are 43 ACEs (25 new ones and 18 from ACE I); 5 Emerging Centers; 1 “top up” center in Social Risk Management; and 5 Colleges and Schools of Engineering. The new areas include sustainable cities; sustainable power and energy; social sciences and

education; transport; population health and policy; herbal medicine development and regulatory sciences; public health; applied informatics and communication; and pastoral production

The Africa Center of Excellence for Mycotoxin and Food Safety (ACEMFS) in Federal University of Technology, Minna – Nigeria, is one of the ten ACE Centres in Nigeria. There are presently 17 African Centers of Excellence in Nigeria. The ACEMFS primary focus areas of research is on three of the postgraduate programs (M,Tech. and PhD) in;

- I. Food safety,
- II. Toxicology,
- III. Molecular biology, and Bioinformatics

The main aim of the Centre is to train personnel in food safety, toxicology, molecular biology & bioinformatics that will impart better food and food safety culture, and ensure safer foods for healthy living in Nigeria and across Africa.

As the proponent for the sub-projects, their central objectives are;

- To acquire knowledge required to create an interdisciplinary and experience based educational model that will prepare graduates on the rapidly emerging need for innovations at the nexus of food security, food safety, agricultural productivity and economics from local to global scales.
- To be able to foster impactful interdisciplinary research and implement solutions that will improve the quality of life of Africans through fit-for-purpose interventions fostering economic growth and access to sufficient safe food for all.
- To be able to address Africa's shortage of expertise and applicable solutions to ensure a safe, controlled and sufficient food supply that will support economic growth and public health.

1.2- CENTRE ACTIVITIES

The main activities of the Center are therefore:

- To provide relevant human and material resources for the effective training of high-level independent minded, self-reliant and competent researchers that are capable of providing critical skills in effective food system.
- To provide the skills that will adequately address the research and training needs to conduct regional survey of food borne pathogens and toxic chemical residues, assess their health and economic impacts and consequently set

appropriate national and regional standards for effective prevention and control

In view of the above benefits to be accrued from the project, the centre is proposing to construct a befitting office accommodation for its staff to enable them perform effectively and efficiently. The proposed building construction has been assessed to have potential adverse impacts that are site specific, limited in number, reversible and triggered environmental assessment policies of the World Bank (WB) OP/BP 4.01, equivalent to Nigeria Environmental and Impact Assessment (EAI) policy requirement. The impact here will be small-scale and site-specific typical of category B projects. This could result in environmental and social impacts thus triggering the World Bank OP/BP 4.01 – Environmental Assessment.

The Africa Centre of Excellence for Mycotoxin and Food Safety in FUT Minna, is proposing to award a contract for the conduct of an Environmental and Social Management Plan (ESMP) to identify the environmental and social management impact and mitigation measures required to implement these sub-projects.

2.0 - ESMP

The proposed ESMP is to provide an overview of the environmental base line conditions of the proposed sub-projects, summarize the potential impacts associated with the construction works, and set out the management measures required to mitigate any potential impacts in a series of sector specific Environmental Management Plans (ESMPs).

These ESMPs are to be utilized by the contractors, to be commissioned by ACEMFS for the sub-projects, and will form the basis of site-specific management plans that will be prepared by the contractors as part of their construction methodology prior to works commencing.

As the proponent for the sub-projects, it is our objective to avoid, where practical, unacceptable adverse environmental, social and /or economic impacts. In the circumstance that an impact cannot be avoided, ACEMFS and Project Management (who will be responsible for the management of the project) are committed to the implementation of appropriate mitigation measures. For clarity in the management structure however, Project Management will consult ACEMFS on matters relating to environmental health and safety performance. Project Management will however have overall responsibility for planning,

implementation, monitoring and enforcement of activities associated with this ESMP and environmental, health and safety performance

3.0 - Terms of Reference for the ESMP are to:

- To assess the impact of the sub-projects to environment, human health and safety, physical cultural issues. The ESMP shall identify the risk early before commencement of the sub- projects with the view of mitigating against such issues.
- The ESMP shall provide cultural guide lines to avoid any adverse impacts these sub-projects will have on the surrounding areas of the university.
- Describe the measures required to implement the activities of the sub-projects, related management and mitigation commitments;
- Describe specific additional measures required to implement contract related international best practices, and approval conditions stipulated by *the World Bank's environmental, health safety guidelines, Nigeria's Federal Ministry of Environment and NESREA requirements*;
- Identify the roles and responsibilities of the environmental and social management stakeholders of the project; and
- Communicate the environmental and social expectations and requirements throughout the project tenure.

While all contractors and sub-contractors shall comply with, and apply the ESMP requirements as applicable to the tasks they are employed to undertake, some of the measures and procedures outlined in this proposal are commitments made by Project Management of ACEMFS, and therefore remain responsible for their implementation. It should however be recognized that practical implementation of many of the measures may rest with contractors and sub-contractors and consequently, ACEMFS will require the implementation of a robust review/audit program, as may be described in the proposed ESMP, to measure and ensure that they are executed on their behalf appropriately.

4.0 - Scope of Work:

The core tasks for the ESMPs shall include:

- Assess the potential environmental and social impacts related to construction activities and recommend adequate mitigation measures, including costs estimation.
- Identify responsibilities and actors for the implementation of proposed mitigation measures
- Assess the capacity available to implement the proposed mitigation measures, and suggest recommendation in terms of training and capacity building, and estimate their costs.
- Develop an Environmental and Social Management Plan (ESMP) for the work. The ESMP should underline
 - (i) The potential environmental and social impacts resulting from construction activities
 - (ii) The proposed mitigation measures;
 - (iii) The institutional responsibilities for implementation;
 - (iv) The monitoring indicators;
 - (v) The institutional responsibilities for monitoring and implementation of mitigation measures;
 - (vi) The costs of activities; and
 - (vii) The calendar of implementation.
- Consultations: The ESMP results and the proposed mitigation measures will be discussed with relevant stakeholders mainly involved by the construction activities. Recommendations from this consultation will be included in the final ESMP report.
- Preparing the ESMP according to the generic contents below:

The objective of the study is to prepare an environmental and social management plan (ESMP) for the proposed upgrade of research facilities (laboratories) and the construction and maintenance of an animal house..

The ESMP should consists of a well-documented set of mitigation, monitoring, and institutional actions to be taken before and during construction and rehabilitation of the required facilities towards minimizing and elimination of the adverse environmental and social impacts. It should also include the measures needed to implement these actions, addressing the adequacy of the monitoring and institutional.

5.0 - ESMP Structures

The ESMP Report shall be presented in a concise format and should contain all studies, processes, analyses, tests and recommendations for the proposed intervention. The report shall focus on the findings, conclusions and any recommended actions, supported by summaries of the data collected and citations for any references used.

The ESMP report will include the following Chapters and Sections:

Preliminary pages

- Cover page
- Table of contents
- List of acronyms and their definitions
- Executive Summary

Chapter 1: Introduction

- Introduction to the ACE Project and description of the proposed construction detailing what this sub project entails and its purpose
- Rationale for ESMP

Chapter 2: Project Description

- Project Activities and Schedules including expected duration of the construction works

Chapter 3: Baseline Description of Project Area

- Overview of the Project Area including relevant maps and engineering designs for proposed construction activities.
- Socioeconomic Environment of the Project Area
- Biophysical Environment of the Project Area
- Environmental and Social Sensitivities in the project areas (including map of the hubs showing the locations of all sensitivities)
- Gender and Gender Based Violence Statistic including state information as well as those related to the project

Chapter 4: Environmental and Social Management and Monitoring Plan

- Introduction
- Positive Impacts
- Negative Impacts
- Environmental and Social Management Table (ESMP table) highlighting Activities, identified adverse impacts, mitigation measures and corresponding Indicator(s), Mode of Measurement, corresponding Cost of Mitigation, monitoring indicators, Frequency, Monitoring Cost, as well as responsibilities for implementing these measures
- Roles and Responsibilities
- Capacity Building
- Monitoring and Reporting
- Implementation Schedule
- Contractual Measures
- Measures for Non-Compliance with the ESMP
- Cost Estimates for ESMP Implementation

Chapter 5: Grievance Redress Mechanism

- Introduction
- Expectation When Grievances Arise
- Structure and Protocols for Reporting and Managing Grievances
- Protocol for reporting and managing grievance for this sub project.

Chapter 6: Stakeholders' Consultation

This chapter shall summarize the actions undertaken to consult relevant groups affected by the proposed construction. The detailed record of the consultation meetings shall be presented in annex to the ESMP.

Chapter 7: Summary and Recommendations

The Annexes below must consider COVID-19 requirement. See Annex K for WHO, World Bank and ILO guidance notes on construction, labour, waste management, etc. provisions.

Annex 1: Terms of Reference

Annex 2: Sample of Questionnaire for socioeconomics

Annex 3: List of participants in consultations and summaries of meetings

Annex 4: General Environmental and Social Management Conditions for Construction Contracts

Annex 5: Project Occupational Health and Safety (OHS) Plan

Annex 6: Company Code of Conduct on Preventing Gender Based Violence and Violence against Children

Annex 7: Manager's Code of Conduct on Preventing Gender Based Violence and Violence against Children

Annex 8: Individual Code of Conduct on Preventing Gender Based Violence and Violence against Children

Annex 9: Waste Management Plan

Annex 10: Traffic Management Plan

Annex 11: Workers Campsite Management Plan

Annex 12: Safeguard guidance on Covid-19 consideration in construction/civil works projects

6.0 - PROCUREMENT METHOD

The request for the engagement of the consultant shall follow due process. Selective tendering method would be used. By this, four re-known environmental consultants would be invited.

The engagement of qualified consultant would be decided by considering their work profile and evidence of proficiency. The most acceptable consultant based on the assessment would be presented to the Centre for approval, this would also be a criterion for award of certificate of compliance in due course.

The consultant would be briefed on the pending assignment and given four weeks to carry out the assignment. After completion of the job, the consultant would be made to host a presentation to a group ACEMFS team.

The successful consultant would be paid in accordance with the agreed payment schedule, upon agreed negotiation terms and subject to satisfactory performance, timely receipt as well as approval of deliverables.

7.0 - RENUMERATION AND PAYMENT SCHEDULE

The Consultant will be paid based on negotiations with the ACEMFS but shall not exceed 1% of the entire project value.

8.0 - DELIVERABLES AND TIMING:

- **Inception report:** The inception report shall be submitted a week after submission of action plan/commencement of work.
- **Draft report:** A draft ESMP will be submitted for comments between the second and third week after commencement of work. It will identify all the areas, the mitigation measures, and the environmental and social issues associated with the rehabilitation, as well as the adequacy of the monitoring.
- **Draft Final:** A draft final will be submitted after making inputs to comments of the draft ESMP.
- **Final report:** The final ESMP Report will take into account all comments, and will be submitted four weeks after commencement of work.

9.0 - Planned Activities and Time lines

A schedule of activities for the preparation and completion of the ESMP report by the consultant following appointment is provided in the table below.

Activities	Week1	Week2	Week3	Week4
Submission of Inception Report	X			
Submission of Draft Report		X		
Submission of Draft Final			X	
Submission of Final Report				X

10.0 - Duration of Work and Reporting

i. Duration

This assignment shall be completed within a period of 5 weeks commencing immediately after contract signing. The Consultant is expected to conduct a baseline survey within the project site and in consultations with all relevant stakeholders to gather all necessary primary information.

ii. Reporting

The Consultant shall report to the Centre Head of ACEMFS / Project Management Team.

11.0 - Responsibilities of the Client

In addition to the project supervisory and other responsibilities contained in this assignment, the client shall provide the Consultant with the following project documents:

- i Project Appraisal Document
- ii Relevant project document
- iii Access to relevant stakeholders

12.0 - deliverables/Payment Plan

A comprehensive and fully referenced Report including detailed recommended actions for implementation must be submitted at the end of the assignment. The Report must contain an in-depth analysis of the issues described in the objectives and should propose clear, implementable measures towards achieving the set goals of the assignment.

13.0 - QUALIFICATION AND EXPERIENCE OF THE CONSULTANT

The consultant shall have:

- Experience with a minimum of MSc. (PhD an added advantage) in environmental sciences / analytical sciences and a professional/technical background appropriate for understanding both the environmental and social management implications in construction, waste disposals, laboratory waste and vectors disposals, and infective/toxic materials, including their design, construction, operation and monitoring.
- At least five (10) years' experience in practical safeguards, social and environmental management and HSE with demonstrated proficiency in the preparation, review, and approval of EAs/ESIAs/ESMPs to meet World Bank standards
- Excellent analytical, communication and writing skills.
- It is highly desirable that the consultant have experience with working with international development institutions like the World Bank, and on infrastructure related projects.