Appendix 1: Outline of the ESIA (Detailed Table of Contents)

An Environmental and Social Impact Assessment (ESIA) Study focuses on the significant environmental and social issues of a project. The Study scope and level of detail should be commensurate with the project's potential impacts. The ESIA should be tailored to the specific project and to the legal requirements, environmental and social conditions where it is situated.

Abbreviations, Acronyms and Glossary

Executive Summary

- Concise discussion of significant findings and recommended actions (non-technical language; not more than 5 pages)

Chapter 1 – Introduction

- 1.1 Background and Context
- 1.2 Purpose and Structure of the ESIA Report
- 1.3 Environmental and Social Screening Outcome

Chapter 2 – Project Description

- 2.1 Project Overview and Objectives
- 2.2 Project Components and Activities
- 2.3 Project Location (with maps of the project site and area of influence)
- 2.4 Project Phases (construction, operation, decommissioning)
- 2.5 Supporting Infrastructure Requirements
- 2.6 Project Implementation Schedule

Chapter 3 – Legal, Policy and Institutional Framework

- 3.1 Applicable National Environmental and Social Laws, Regulations and Policies
- 3.2 Permitting and Authorization Requirements
- 3.3 Relevant International Environmental Agreements
- 3.4 World Bank Environmental and Social Framework (ESF) — ESSs 1–10
- 3.5 Gap Analysis Between National Framework and World Bank ESSs
- 3.6 Environmental and Social Requirements of Co-financiers (if applicable)
- 3.7 Institutional Responsibilities

Chapter 4 – ESIA Approach and Methodology

- 4.1 Scoping Process
- 4.2 Impact Assessment Methodology
- 4.3 Data Collection Methods (field surveys, stakeholder consultations, scientific review)
- 4.4 Key Data Gaps and Uncertainties

Chapter 5 – Analysis of Alternatives

- 5.1 Alternative Project Locations
- 5.2 Alternative Technologies and Design Configurations
- 5.3 Alternative Construction/Operation Methods
- 5.4 "No-Project" Alternative
- 5.5 Rationale for Selected Option

Chapter 6 – Environmental and Social Baseline

- 6.1 Physical Environment

i. Air quality and noise
ii. Hydrology and water quality
iii. Geology, Soils and Geomorphology
iv. Geohazards and other natural risks

v. Climate and climate change
vi. Waste

- 6.2 Biological Environment

i. Terrestrial and aquatic ecosystems
ii. Species of concern and habitats
iii. Protected areas and ecosystem services

- 6.3 Socioeconomic Environment

i. Demographics and livelihoods
ii. Land tenure and economic activities
iii. Health services, education and infrastructure
iv. Gender roles and vulnerable groups
v. Physical cultural resources

- 6.4 Existing and Reasonably Foreseeable Developments

Existing and reasonably foreseeable developments relevant to the cumulative impact assessment

Chapter 7 – Stakeholder Consultation and Participation

- 7.1 Stakeholders Identified and Engagement Methods Used
- 7.2 Summary of Issues Raised and Responses
- 7.3 How Consultation Results Influenced Project Design
- 7.4 Engagement with Disadvantaged and Vulnerable Groups

Chapter 8 – Identification and Assessment of Environmental and Social Impacts

- 8.1 Impact Assessment Criteria (magnitude, duration, reversibility, likelihood, significance)
- 8.2 Environmental Impacts During Construction
- 8.3 Environmental Impacts During Operation
- 8.4 Environmental Impacts During Decommissioning
- 8.5 Social Impacts (involuntary resettlement, labor, community health and safety, SEA/SH, cultural heritage, etc.)
- 8.6 Cumulative Impact Assessment
- 8.7 Residual Impacts

Chapter 9 – Mitigation Measures

- 9.1 Mitigation Hierarchy (avoidance, minimization, restoration, offset)
- 9.2 Mitigation Measures for Environmental Impacts
- 9.3 Mitigation Measures for Social Impacts
- 9.4 Residual Negative Impacts That Cannot Be Fully Mitigated
- 9.5 Enhancement Measures for Positive Impacts
- 9.6 Differentiated Measures for Vulnerable Groups

Chapter 10 – Environmental and Social Management Plan (ESMP) and Monitoring Plan

- 10.1 Mitigation and Monitoring Matrix
- 10.2 Institutional and Reporting Arrangements
- 10.3 Implementation Schedule
- 10.4 Capacity Development Requirements
- 10.5 Budget for ESMP Implementation

Chapter 11 – Grievance Redress Mechanism (GRM)

- 11.1 Objectives and Principles
- 11.2 GRM Structure and Procedures
- 11.3 Handling of SEA/SH-related Grievances
- 11.4 Monitoring and Reporting of GRM

Chapter 12 – Conclusions and Recommendations

Chapter 13 – References

Annexes

- Annex A: Chance Find Procedures
- Annex B: Occupational Health and Safety Management Plan
- Annex C: Community Health and Safety Plan
- Annex D: Terms of Reference for ESIA Preparation
- Annex E: ESIA Team Composition
- Annex F: Survey Questionnaires and Interview Guides
- Annex G: List of Consulted Persons (name, position, organization, contact, date)
- Annex H: Maps, Graphs and Photos
- Annex I: Copy Confirming Land Availability (if applicable)