



## Terms of Reference

### **Title: Baseline study for the Landscape and IWRM and Restoration in the Nacopa sub-catchment of the Monapo Dam watershed**

#### **Objective of the Consultancy**

The main purpose of this assignment is to determine and document baseline indicators for measuring biophysical and socio-economic parameters that will be monitored throughout the implementation of the project in the Nacopa catchment of the Monapo dam watershed in Nampula. Therefore, the consultant is expected to produce a detailed methodology and then the baseline report for the catchment, and the information generated will aid in tracking progress in the implementation of the project.

#### **Background**

Project Reference: P04807

Donor reference:

#### **About IUCN**

IUCN is a membership Union uniquely composed of both government and civil society organisations. It provides public, private and non-governmental organisations with the knowledge and tools that enable human progress, economic development and nature conservation to take place together.

Created in 1948, IUCN is now the world's largest and most diverse environmental network, harnessing the knowledge, resources and reach of more than 1,400 Member organisations and around 15,000 experts. It is a leading provider of conservation data, assessments and analysis. Its broad membership enables IUCN to fill the role of incubator and trusted repository of best practices, tools and international standards.

IUCN provides a neutral space in which diverse stakeholders including governments, NGOs, scientists, businesses, local communities, indigenous peoples organisations and others can work together to forge and implement solutions to environmental challenges and achieve sustainable development.

Working with many partners and supporters, IUCN implements a large and diverse portfolio of conservation projects worldwide. Combining the latest science with the traditional knowledge of local communities, these projects work to reverse habitat loss, restore ecosystems and improve people's well-being.

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<https://twitter.com/IUCN/>

## About the Project

The project focuses on promoting catchment protection through Nature-based Solutions framed as best adaptive practices under climate change. It aims to improve the watercourse health while increasing the resilience of both the ecosystem and basin populations. Ecosystem resilience is about ensuring that ecological systems can cope with shocks and stresses as well as to sustain the transformations needed to adapt to climate change. The initiative will be executed through three key components. The first component is focused on undertaking landscape restoration activities and catchment health improvement to reduce runoff and replenish water in the catchment (targeting 109ML). The second component will support water replenishment(qualitatively) through the diversification of livelihoods of local communities achieved by promoting sustainable agricultural best practices and a market-oriented approach. The third component will focus on increasing communities' capacities to implement Nature-based Solutions (NbS) for sustainable livelihoods, such as forest landscape restoration, climate change resilience and adaptation, and generation of knowledge and learning materials and sharing experiences.

## Description of the Assignment

- a) Develop a baseline study plan indicating the studies to be undertaken and when they will be conducted.
- b) Based on the baseline values established by the socio-economic and biophysical assessments, set measurable, realistic and time-bound targets for the project indicators.
- c) Retrieve and review any existing reports for the project area to support the baselines of this project.
- d) Assess the status of the catchment in terms of biophysical parameters
- e) Assess demographic and social data – recent census figures, rural-urban shift, out-migration and remittances, poverty data, health services coverage and access, education availability, enrolment rates, major health issues/diseases as background and the basis for the baseline.
- f) Carry out a simple household baseline survey (including livelihood assessments) for the catchment area based on standard statistical sampling (number of villages, number of households).
- g) Carry out socio-economic profiling of representative categories of households by access to land (for example no access, 0-0.5 ha, 0.5-1 ha and above), by availability of labour (difficult for female headed households), and by access to assets/inputs (bicycle, tools, fertilizer, etc.).
- h) Present a baseline analysis of current governance data, in terms of land tenure (statutory and customary), land governance structures (Formal and traditional), gender and equity.
- i) As part of the baseline assess recent or current landscape and catchment profiles (e.g. area under conservation, under improve landscape management) and initiatives in the study areas in terms of the elements of success, the gaps (e.g. forest management, integrated water resource management, ecosystem approaches, agroforestry, river management).
- j) Undertake baseline assessment of economic opportunities and value chains in the catchment area and propose value chain options for the landscape.
- k) Assess baseline opportunities for credit & income generation.
- l) Assess current water services and retention status and water flows for downstream use as part of baseline.

## Duration of the Assignment

The assignment is expected to take 45 working days

## Deliverables and Activities

The consultant will provide the following deliverables and carry out the following activities:

	Description	Deadline
Inception Report	Including a clear work plan detailing methodology, timeline, and tools to be used	within 14 days of signing the contract
Draft baseline Report	Preliminary findings, data analysis, and initial recommendations	Within 30 working days of contract signature
Final Baseline Report	Final version incorporating feedback; must include all relevant source files and data sets.	Within 45 working days of contract signature

## Payment Schedule

The Timetable below summarises the chronological order of deliverables and indicates milestones at which IUCN will pay the Consultant.

Deliverable	Milestone payment
Upon contract signing and presentation of Inception Report.	20%
Upon delivery of approved draft baseline.	40%
Upon submission and approval of the Final Baseline Report, including all relevant source files and data	40%

## Skills and Experience

The consultant must have the following skills, education and experience as a minimum:

- Minimum of 3 years of experience in biophysical and socio-economic assessments, climate change impacts assessment, natural resource management, integrated water resources management assessment
- Having undertaken other baseline assessments
- Experience in landscape, water resources and catchment management assessments, including integrated water management, land-use and restoration
- Experience in value chains and markets, Incentive payment schemes assessments
- Integrated land use and social skills – gender, institutions, livelihoods, farming systems, land use planning

## Supervision and coordination

The consultant will report to and work under the supervision of Nature-based Solutions for Water in Africa Project Programme Manager.