

## Request for quotation

### **FOR THE CONSTRUCTION OF A FISH DRYING FACILITY AND INSTALLATION OF PLASTIC WASTE CONTAINERS AT MUSASA, RUTSIRO DISTRICT**

#### **1. Background**

The Living Lakes Biodiversity and Climate Project, aims to promote sustainable management of lake ecosystems while improving the livelihoods of lake-dependent communities. In Rutsiro and Karongi Districts, fishing is a key economic activity that supports household incomes and food security.

During joint field visits conducted by the project team together with fishermen cooperatives in Rutsiro and Karongi, critical post-harvest challenges were identified through direct consultations and practical observations. Fishermen highlighted that a significant portion of their fish harvest is frequently lost due to the absence of appropriate drying and preservation facilities .

As a coping mechanism, fishermen are often forced to sell freshly caught fish at very low prices simply to avoid total loss of their harvest . These challenges directly undermine income stability, value addition efforts, and the sustainability objectives of the project.

#### **2. Problem Statement**

Despite the availability of fish resources in Lake Kivu, fishing communities in Musasa–Rutsiro face persistent post-harvest constraints that limit the economic and social benefits derived from fisheries. Findings from the project field visits with fishermen cooperatives in Rutsiro and Karongi revealed that:

- A substantial share of fish harvest is lost due to lack of proper drying and preservation infrastructure
- Traditional open-air drying exposes fish to rain, dust, pests, and spoilage, particularly during the rainy season
- The absence of drying facilities forces fishermen to sell fish immediately at very low prices, reducing profitability
- Limited value addition results in weak bargaining power and unstable incomes for fishing households

These challenges result in avoidable post-harvest losses, reduced product quality, and economic inefficiencies, contradicting the project’s objectives of sustainable livelihoods, climate resilience, and efficient use of natural resources.

### 3. Rationale for Constructing the Drying Facility

The construction of a standardized fish drying facility (drying shelter) is a strategic intervention designed to address the above challenges and support long-term project outcomes.

**a) Reducing Post-Harvest Losses**

The drying facility provides controlled drying platforms with protective structures that allow small fish to dry efficiently even during rainy periods, significantly reducing spoilage and waste.

**b) Improving Fish Quality and Food Safety**

Use of stainless steel mesh platforms, fenced premises, and hygienic handling spaces minimizes contamination and ensures compliance with basic food safety standards, enabling access to better markets.

**c) Climate Resilience and Adaptation**

With climate change increasing rainfall variability around Lake Kivu, the covered and well-designed drying facility enables continuous processing regardless of weather conditions, supporting adaptive livelihoods.

**d) Value Addition and Income Improvement**

Proper drying enhances shelf life, appearance, and market value of fish products ;fish fingers, leading to increased income for fisher households and cooperatives.

**e) Institutional Strengthening and Management**

The inclusion of an office, storage space, sanitation facilities, fencing, and rainwater harvesting system ,and a water tank allows organized management, record-keeping, training, and compliance with cooperative and regulatory requirements.

### 4. Alignment with Project Objectives

The drying facility directly contributes to the Living Lakes Biodiversity and Climate Project by:

- Promoting sustainable use of aquatic resources
- Supporting green livelihoods and inclusive local economies
- Reducing pressure on lake ecosystems by minimizing losses
- Enhancing community resilience to climate risks
- Strengthening community-based conservation and value chains

### 5. Scope of the Drying Facility

The proposed facility includes:

- Ten (10) raised fish drying platforms with protective covering
- Office and storage building for management and coordination
- Sanitation facilities (toilets for men and women)
- Secure fencing to ensure hygiene and asset protection
- Rainwater harvesting system to support cleaning and operations

- Installation of plastic waste containers at selected high-traffic locations along Lake Kivu buffer zones
- Targeting areas commonly used by fishermen, youth groups, and the general public
- Community sensitization on proper use of the containers
- Coordination with local stakeholders for monitoring and maintenance
- The containers will be durable and suitable for outdoor conditions to ensure long-term use.

## 6. Expected Outcomes and Impact

- Reduced plastic waste entering Lake Kivu
- Improved cleanliness of lake buffer zones
- Strengthened youth participation in environmental conservation
- Reduced threats to fish and aquatic ecosystems
- Enhanced community awareness on plastic pollution and responsible waste management
- Contribution to sustainable fisheries and lake-based livelihoods

This integrated infrastructure ensures functionality, sustainability, and compliance with project and donor standards.

Duration : From December 2024 to July 2025

## 7. Conclusion

The construction of the fish drying facility and Installation of plastic waste containers at Musasa–Rutsiro is not merely a civil works activity but a strategic investment in sustainable livelihoods, food safety, climate resilience, and ecosystem conservation. It will addresses critical post-harvest challenges and enables fishing communities to fully benefit from lake resources while supporting the long-term goals of the Living Lakes Biodiversity and Climate Project.



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