



Terms of Reference for Service

Title: Establishment of Gabion Walls in Lebanon

Background

Project Reference: P04155

Donor reference: AVRO-00076

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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About the Project

IUCN, in partnership with the International Water Management Institute (IWMI), was awarded AI MURUNAH project by the Foreign, Commonwealth & Development Office (FCDO). The project aims to increase water security in the MENA region by integrating Nature-Based Solutions for Water (NBSW) and Agricultural Water Management (AWM) to address climate change and land degradation. The program will strengthen and empower national capacities for implementing and upscaling integrated NBSW/AWM through a transformational change process, developing action-oriented field examples and recommendations to overcome technical and non-technical barriers. It will generate evidence of NBSW/AWM's contribution to increasing water security sustainably.

Description of the Service

The objective is to create infrastructure for flood management, groundwater recharge, and support for agricultural systems, utilizing Resilient Nature-based Water Solutions (RNBWS), specifically through two components:

1- Construction of natural gabion walls in the village of Ba'albik as the project pilot site with the purpose of mitigation of the impacts of flash floods.

2- Cleaning of existing water ponds in the same site (removal of debris and vegetation from the stream, excavation, slope adjustment, etc.). Site location details are:

Latitude: 34°14'3.26"N

Longitude: 36°29'2.73"E

Furthermore, under this section, a general description of the two components is narrated; the detailed components are described in the BOQ, drawings, and specifications. In broad means, to establish the two components, the following works will be needed. It should be highlighted that the following description is only an indicative summary and the references for implementation quantities and works are the BOQ and the drawings.

- 1- Earth works and excavation.
- 2- Supply of materials (Stones for backfilling, stones for gabion baskets, wire mesh, etc.)
- 3- Execution of gabion wall construction.
- 4- Execution of cleaning works for existing ponds to restore their full capacity.

Please refer to the BOQ, drawings, and specifications for elaborate details and quantities.

Key tasks

The following key tasks to be undertaken in order to establish the two components of the pilot site:

Number	Key tasks	Description
1	Assigning the required technical staff	Under this contract the contractor must assign the following experts with the listed qualifications: <ul style="list-style-type: none">• Team leader• Civil Engineer
2	Site handing over	IUCN will hand over the site to the contractor at the beginning of the project in coordination with the municipality and the Ministry of Energy and Water. Once done, site security is the contractor's sole responsibility.
3	Issue the needed permits	IUCN will provide the contractor with the project-related documents needed to issue the permits for execution works from governmental entities upon need.
4	Supplying and providing Materials	The contractor must supply all materials, equipment, goods, and equipment needed to implement the projects as specified in the specifications, BOQ, and drawings under full supervision of the IUCN, considering that the contractor should provide the IUCN with samples to get approval before supply.
5	Execution	The contractor should execute the project according to BOQ, drawings, and specifications under full supervision of IUCN.
6	Final handing over	Upon completion of execution works the contractor will hand over the pilot site to IUCN, the municipality, and the Ministry of Energy and Water.

Duration of the Assignment

The contractor must commit to implementing the two components of the task no later than three months from the agreement's effective date, and the detailed work plan must be updated accordingly.

Deliverables & Reporting

Deliverables

Under this contract, the contractor must handover the pilot site as per the tender documents (RfP, TOR, BOQ, drawings, and Specifications). Handing over any component will only take place once the systems fully finalized and approved by IUCN.

Reporting

- 1- A **detailed workplan** for the tasks which will be done to achieve the objectives of this assignment. This will be a live document that must be updated in a weekly basis.
- 2- **Weekly progress reports** to IUCN showing the progress according to the approved work plan; the structure of these reports will be provided by IUCN.
- 3- After the completion of execution works, the contractor must submit a comprehensive **final report** to IUCN containing implementation works in addition to **as-built drawings**.

Payment Schedule

The payments should be made to the contractor upon satisfactory completion as follows:

1. The first instalment: 30% of the agreed amount upon signing the agreement.
2. The second instalment: 30% of the agreed amount Upon construction completion of three gabion walls as stated in the BOQ, drawings, and specifications, and starting the implementation works.
3. The third and final instalment: 40% of the agreed amount Upon final handing over of the pilot site as a whole (All components must be fully finalized and approved by IUCN), in addition to submission of all deliverables mentioned in the "deliverables" section.