



Terms of Reference for Service

Title: Establishment of agricultural demonstration farm 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 task is to establish a demonstration farm near an existing water reservoir in Qa'a area (Site details are mentioned below) with a total area of around 20 dunams. It should be highlighted that all working steps must be closely coordinated with IUCN's representative and Qa'a municipality. For example, the main pipeline connection from the main municipal lake/reservoir to the agricultural demonstration farm will need close coordination with the municipality and might include precautional (protection) measures.

The task, as a whole, comprises the following **main components** (These are only indicative categories):

- Land treatment.
- Installation of farming infrastructure.
- Installation of solar energy system.
- Supply of seedlings.
- Plantation process.

Please refer to the BOQ, drawings, and specifications for elaborate details and quantities. Upon completion of the implementation works, the contractor is requested to conduct routine check-up visits.

Site location

Latitude: 34°18'37.84"N

Longitude: 36°27'19.50"E

Plan view showing the piece of land

The highlighted piece of land below is demonstrated in the plan view for clarification; exact borders will be agreed upon at the initial stage of the implementation.



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 • Agricultural Engineer • Energy Engineer
2	Site handing over	IUCN and the municipality will hand over the site to the contractor at the beginning of the project in coordination with the municipality. Once done, site security is the contractor's sole responsibility.
3	Issue the needed permits	IUCN and its implementing partner will provide the contractor with the project-related documents needed to issue the permits for execution works from governmental entities upon need. The contractor has to issue all implementation-related permits.
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 must 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, and the municipality.
7	Conduct check-up visits	The contractor should conduct weekly site visits to check the functionality of the installed systems and carry out any needed maintenance measures in case of malfunctions due to manufactural defects, noting that all supplied components must be under a

		<p>manufacturing warranty for a period of six months (Total number of visits: 8 visits). The contractor must highlight any operational matters that appear during these visits.</p>
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Duration of the Assignment

The contractor must commit to implementing all components of the agricultural demonstration farm no later than three months from the agreement's effective date, and the detailed work plan must be updated accordingly. Following the completion of implementation works, the contractor is requested to conduct the check-up site visits; the schedule for these visits will be provided by IUCN.

Deliverables & Reporting

Deliverables

Under this contract, the contractor must handover the agricultural demonstration farm as per the tender documents (RfP, TOR, BOQ, drawings, and Specifications). Handing over any component will only take place once the systems are 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.
- 2- **Weekly progress reports** showing the progress according to the approved work plan; the structure of these reports will be provided by IUCN.
- 3- **Check-up visit reports** showing the status of the installed systems and the agricultural demonstration site as a whole (8 reports in total).
- 4- Upon 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: 10% of the agreed amount Upon completion of land treatment works as stated in the BOQ, drawings, and specifications, and starting the implementation works (must be fully finalized and approved by IUCN).
2. The second instalment: 40% of the agreed amount upon completion of implementation works for the demonstration farm as stated in the BOQ, drawings, and specifications (All components must be fully finalized and approved by IUCN).
3. The third instalment: 40% of the agreed amount upon completion of implementation works for the solar system as stated in the BOQ, drawings, and specifications (All components must be fully finalized and approved by IUCN).
4. The fourth and final instalment: 10% of the agreed amount upon completion of site check-up visits, in addition to submission of all deliverables mentioned in the "deliverables" section (must be fully finalized and approved by IUCN).