



## Terms of References

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### Country: Jordan

<b>Post Title:</b>	National/International Consultant: Demonstrate practical measures to estimate the carbon emissions/removals in the forestry areas of Jordan
<b>Starting Date:</b>	Immediately
<b>Duration:</b>	(40 working days) over a period of 4 months
<b>Location:</b>	Home-based with two field visits to Amman – Jordan
<b>Project:</b>	The UNDP Climate Promise

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### Background

The Environment, Climate Change and DRR Portfolio at UNDP Jordan seeks to assist the Government of Jordan to integrate environmental concerns into national and sectoral plans and strategies; secure resources; take actions to climate change mitigation and adaptation; and advance inclusive and sustainable development.

Jordan has submitted its first Intended Nationally Determined Contributions (INDC) in Nov 2016, where Jordan has -nationally- pledged to cut approximately 14% of its GHGs. Pursuant to *paragraph 23 of decision 1/CP.21* of the Paris Agreement, Jordan intends to submit an updated national contribution in 2021.

In the late 2019, multilateral funding agencies, international development organizations and national institutions have established collaborative framework to provide the technical and financial support to the Government of Jordan (GoJ) to commence the NDCs update process. However, UNDP through the Climate Promise<sup>1</sup> is one of the main international development organizations that will provide the GoJ with four technical areas of support to the enhancement of the NDCs update process, one of the technical areas is to incorporate new sources of GHGs emissions and removals by sinks.

Forestry areas in Jordan is very limited, it occupies less than 1% of its terrestrial lands. Yet, there is a lack of information on how much the forestry areas do contribute to carbon emissions or sequestration. Accordingly, the NDCs update forms an opportunity to undertake a limited forestry emissions/removals assessment, through which new techniques for inventory can be introduced to demonstrate the important role of the forestry areas in carbon sequestration, and its promising role in the carbon market. Importantly, it gives an opportunity for Jordan to be active in some of the global platforms like the “Bonn Challenge” and the REDD +of UNFCCC.

UNDP is seeking to advance the capacities of the concerned Jordan institutions to make informed policy decisions on the carbon sequestration in forestry areas and its contribution to carbon market.

### **Objectives**

This consultancy service is a major component of the UNDP’s response and support to the enhancement of the update process of NDCs in Jordan. The main purpose is to investigate the contribution of Jordan’s forestry areas in the GHGs emissions/ removals, to establish analytical framework on the policy/institutional and technical barriers to the applications of carbon sequestration in forestry areas, and the opportunities that such applications may bring to the carbon market.

It is expected to develop and apply practical methods to estimate the carbon sequestration in Dibbeen Forest in northern Jordan.

The consultancy service shall be gender responsive and performed through a rigorous methodology under the direct supervision of the Projects Coordination Specialist at the Environment, Climate Change & DRR Portfolio/UNDP, the Director of Climate Change Directorate at the Ministry of

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<sup>1</sup> Climate Promise represents the commitment and response of UNDP to support the countries with willingness to increase their ambitions of GHGs reduction.

Environment, and in close cooperation, coordination and communication with project partners and consultants.

### **Scope of Work**

The consultant is expected to undertake the following activities and responsibilities:

1. Conduct thorough desk research to review available information concerning the forestry areas in Jordan, the forests composition, growth rates, and any relevant literature related to the nature of the assignment.
2. Establish analytical framework in participatory approach to define the barriers of carbon sequestration in the forestry areas of Jordan, the proposed measures/actions to overcome the barriers, and the opportunities that such applications may bring to the carbon market;
3. Develop a rigorous methodology for estimating carbon capture in Dibbeen Forests;
4. Convene consultation and discussion meetings with the concerned technical institutions to agree on the carbon capture estimation methodology;
5. Estimate the carbon capture/removals in the agreed targeted areas of Dibbeen forests using the baseline year of 2015;
6. Conduct validation workshop to discuss the results of carbon sequestration estimates;
7. Tailor and implement training workshop on the applied carbon sequestration methodology;
8. Consult with the Ministry of Environment/ Climate Change Directorate on the needs to establish the carbon market mechanisms in Jordan;
9. Develop a priority list of actions to establish the carbon market mechanisms in Jordan;
10. Prepare the technical guidelines for carbon capture estimations in the forestry areas;
11. Facilitate a national discussion workshop to disseminate and publicize the lessons learned.

### **Expected Outputs & Deliverables Timeframe**

	Deliverable	Duration/Deadline
1	D1: Inception report with detailed implementation plan, timeline, milestones, and methodology.	One week after signing the contract

2	D2: Analytical report on the policy/institutional and technical barriers to the applications of carbon sequestration in forestry areas, and the opportunities that such applications may bring to the carbon market.	One Month after signing the contract
3	D3: Guidelines to estimate the carbon sequestration in forestry areas	2 months after signing the contract
4	D4: Training workshop and guidelines on the methodology and techniques of carbon sequestration estimation	3 months after signing the contract
5	D5: priority list of actions to establish the carbon market mechanisms in Jordan;	4 months after signing the contract

### **Required Qualifications and Skills**

- Education: Advanced University degree in the fields of climate change, environmental management, forestry management, public administration, or relevant related fields.
- Experience: Minimum of 15 years of total experience of which at least five years relevant experience to the assignment.
- Language requirement: Proficient in both written and oral English.
- Computer skills: Demonstrable skills in office computer use - word processing, spread sheets, etc.

### **Skills and Competencies**

- Excellent technical and analytical writing skills.
- Strong facilitation and moderation, communication and inter-personal skills
- Excellent networking and partnering competencies and negotiating skills.
- Ability to use information technology as a tool and resource.

### **Compensation and special conditions**

All payments are subject to deliverable approval by UNDP. Payments are transferred in the following manner:

- The 1<sup>st</sup> payment (15% of the total) is cleared upon submission and approval of the final assignment implementation workplan (Deliverable 1).
- The 2<sup>nd</sup> payment (25 % of total) after delivery and approval of (Deliverable 2).
- The 3<sup>d</sup> payment (40 % of total) after delivery and approval of Deliverables (3 & 4).
- The 4<sup>th</sup> payment (20%) after delivery and approval of (Deliverable 5).

**Management Arrangement**

The IC is expected to work under the direct supervision of the Projects Coordination Specialist at the Environment, Climate Change & DRR Portfolio/UNDP, the Director of Climate Change Directorate at the Ministry of Environment, and in close cooperation, coordination and communication with project partners and consultants

UNDP Signature	IC Signature