

TOR for the International Consultant to support on implementation Climate Action for Human Security in Al Hwaizeh Marshland Project

Location	Home- based
Type of contract	Individual contract
Start Date	15 th Jan,2021
Post type	International Consultant
Duration of Initial Contract	40 working days for the duration from 15 th Jan,2021 -15 th Dec,2021

1.Background

Iraq suffers from extremism in its environmental conditions that lead to floods in winter and droughts in summer, and climate change is one of the important causes of this extremism, which needs an urgent response that reduces the negative impacts that may affect local communities and prevent internal displacement and external migrations. Drought episodes are common throughout Iraq and have produced enormous economic, environmental and social impacts, Climate-induced droughts have increasingly affected the marshlands in the South of Iraq and poor water quality is prevalent and is another cause for displacement and migration.

Climate change may well pose an existential threat to returning internal displaced people, men will continue to be forced to leave the marsh homelands and their traditional occupations to seek employment in urban centers, leading to further fracturing of family and social networks, with rising temperatures and reduced upstream headwater flows, climate change will lead to numerous adverse impacts on returning communities including exacerbation of water pollution/scarcity, intensification of disaster shocks, and threats to public health.

UNDP Regional bureau for Arab states (RBAS) have initiated a new regional project (the SDG-Climate Facility Project) that aims to enhance the capacity of regional and national institutions to address climate change in a way that brings benefits across multiple development goals, while also reducing the impacts of conflict and crises, Iraq is one of eight Arab countries to implement a project that develop initiatives to demonstrate innovation and scalability in achieving a nexus between climate action, SDGs and crisis prevention/recovery.

2.Project scope of work

UNDP Iraq seeks to implement a 2-year Project in Iraqi Al Hwaizeh Marshlands, in cooperation with the Iraqi Ministry of Health and Environment and the local government in Missan and other key stakeholders.

Specifically, the project takes a nexus approach to addressing climate change, deep poverty, water insecurity, and human displacement pressures by focusing on two complementary components:

Component 1. Introduce an Innovative solutions for clean water, wastewater treatment and climate security in AlHawizeh marsh communities through:

- a) procurement and installation of off-grid solar PV system for purified drinking water, that will offer a simple and cost-effective safe drinking water to households,
- b) TOT training on Operation and maintenance
- c) Awareness activities
- d) Wastewater management through constructed wetlands is an economic and environmental strategy for a sustainable water treatment. The main advantages of such systems are their efficiency (combines biological, chemical and physical processes)

Component 2: Support on Livelihood diversification and ecotourism to raise household income and protect ecosystem services, thereby enhancing resilience against future climate-related displacement among marsh communities, through:

- a) Development of regulatory, environmental and investment guidance materials, sustainable tourism minimum standards, and enforcement protocols for compliance with ecotourism guidelines.
- b) Implementing Ecotourism Facilities consists of welcome center and guest house (in an architectural style compatible with traditional structures), market area, Dock for canoes. Wildlife observation towers.
- c) Capacity building and awareness activities targeted communities (especially women)

Numbers of assessments and analysis studies will be conducted like (multi criteria assessment for villages selection, gender assessment, Technical feasibility studies and Environmental impact assessment for the project facilities, Market assessment)

Under the Iraq Project on Climate Action for Human Security in Al Hwaizeh Marshlands, UNDP's Iraq is planning to hire an international Consultant (home-based) to help the Project Manager in implementing specific Project activities, providing guidance and advise to the national consultant who will be based in the Project sites in Missan, support in preparation Project Progress reports and any other reports required by RBAS.

3. Specific Duties and Responsibilities:

The consultant will carry out certain tasks to assist the project manager in achieving the project outcomes , including assessment studies, data analysis , providing support and guidance on Engineering details and designs related to the project facilities, so as equipment's specifications and material's quantities ..etc.

He/She is expected to facilitate and accomplish the following services and tasks:

1- Provide guidance and advise on preparation of *Multi criteria assessment* survey for selecting the villages that will be covered by drinking water and wastewater treatment facilities, adopting Multidimensional Poverty Index (MPI), and draft the final report.

2- Conduct *Market assessment* of the solar PV water purification system if commercially available in Iraq, as well as the constructed wastewater treatment wetland system.

3- Provide guidance and advise to ensure development of high -quality technical *feasibility study* that contain all technical requirements for the project facilities Bids preparation, like designs drawings, BOQs, materials and equipment specifications ...etc. with cost estimation (this includes

ToR of the feasibility study), preparation of the full package of bids based on UNDP procurement regulations and

4-Technical review and advice on the *Environmental impact assessment* reports related to the Project facilities .

6- Coordinate with the national consultant and the technical project team to ensure timely preparation of reports as per the requirements of the Donors and UNDP.

4-Expected Outputs and Deliverables

Following the specific tasks and responsibilities listed under item3, the international consultant up to the end of the consultancy will provide:

- 1- Multi criteria assessment report for villages selection.
- 2- Market assessment report for the Project facilities.
- 3- ToR of the Technical feasibility study related to the project facilities with preparation of the bids Packages required for advertisement by UNDP.
- 4- Support in drafting TOR for the consultation company that will be assigned to develop EIA reports. And Provide comments /inputs on the Environmental impact assessment reports.
- 5- Project Progress reports.

5.Timeline for deliverables

The international consultant is to submit the following deliverables:

Deliverables/outputs		Estimated Target Due Dates	Review and Approvals Required	Payment Terms
Deliverable 1&2	Multi criteria assessment report	30 March,2021	Project Manager and Programme Manager	20%
	Market assessment report	15 April,2021	Project Manager and Programme Manager	
Deliverable 3	Technical feasibility study ToR, and Bids packages preparation	15 th Sep,2021	Project Manager and Programme Manager	40%
Deliverable 4	-Preparation TOR for the consultation company -Technical review of the Environmental assessment reports	30 th Oct,2021	Project Manager and Programme Manager	10%
Deliverable 5	Timely submission of project progress	10th Dec,2021	Project Manager and Programme Manager	30%

	reports drafts (three reports)			
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6. Working Arrangement:

- The consultant will work from home;
- The consultant will report to, and be directly supervised by, the UNDP Iraq Country Office and Project manager.
- The Consultant will be given access to relevant information necessary for execution of the tasks under this assignment;
- The Consultant will be responsible for providing her/his own workstation (i.e. laptop, internet, phone, scanner/printer, etc.) and must have access to reliable internet connection;
- The consultant will undertake consultations during this assignment, the consultant is expected to be reasonably flexible with his/her availability for such consultations taking into consideration different time zones;
- Payments will be made upon submission of a detailed time sheet and certification of payment form, and acceptance and confirmation by the Supervisor on days worked and outputs delivered. If the quality does not meet standards or requirements, the consultant will be asked to rewrite or revise (as necessary) the document before proceeding to payment.
- UNDP will provide administrative support to the international consultant throughout the implementation of this service. However, he/she should be proactive in making appointments, organizing discussions and consultation meetings with key stakeholders, as needed/appropriate.

7.Duration

The contract is effective from the date of signature by UNDP Iraq and the Individual Consultant. Contract duration is total 40 Working days over a period of 11 Months to start by 15th Jan,2021 till 15th Dec,2021 for 11 months

8.Competencies:

Corporate:

- Demonstrates integrity by modelling the UN's values and ethical standards;
- Promotes the vision, mission, and strategic goals of UNDP;
- Displays cultural, gender, religion, race, nationality and age sensitivity and adaptability;
- Treats all people fairly without favoritism.

Functional:

Communications

- Able to communicate effectively in writing to a varied and broad audience in a simple and concise manner.

Professionalism

- Capable of working in a high- pressure environment with sharp and frequent deadlines, managing many tasks simultaneously;
- Excellent analytical and organizational skills;
- Exercises the highest level of responsibility and be able to handle confidential and politically sensitive issues in a responsible and mature manner.

Teamwork

- Works well in a team;
- Projects a positive image and is ready to take on a wide range of tasks;
- Focuses on results for the client;
- Welcomes constructive feedback.

9. Qualification

The successful candidate will have a multi-disciplinary and professional background including Development, Environmental science, Engineering, experience in working on Project constructions, and have knowledge on Climate Change, Sustainable Development Goals (SDGs).

The following attributes are *essential*:

- A. MSc in Development, Master's degree in engineering science, environmental engineering or another related fields (PHD is an asset)
- B. Technical experience on projects design (related to water& sanitation), on technical feasibility studies, Bids preparation and Projects cost estimation.
- C. previous experience in working with UN agencies or other international organizations responsible on project's construction.
- D. Have knowledge on Environment, Climate Change, ecotourism, SDGs, humanitarian settlement with knowledge on solar energy.
- E. Experience or Knowledge of contexts of Iraq.
- F. Proven professional skills in developing high quality reports.

10. Language;

- Excellent oral and written communication skills in English
- Preferred understanding and speak Arabic language.

11. Documentation to be submitted:

- Applicants must submit a duly completed and signed UNDP Personal History form (P11) and/or CV including Education/Qualification, Professional Certification, Employment Records /Experience;
- Applicants must submit a duly completed and signed Annex II Offeror's letter to UNDP confirming interest and availability for the Individual Contractor (IC) assignment to be downloaded from the UNDP procurement site.

12. Criteria for Selection of The Best Offer

Individual consultants will be evaluated based on the following methodology:

- Cumulative analysis
- When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:
 - a) responsive/compliant/acceptable, and

- b) Having received the highest score out of a predetermined set of weighted technical and financial criteria specific to the solicitation:

* Technical Criteria weight; [70]

* Financial Criteria weight; [30]

Criteria		Max. Point 100	Weight
Technical	<p>Relevance and responsiveness of candidate’s past experience and qualification based on submitted documents:</p> <ul style="list-style-type: none">• MSc in Development, Master’s degree in engineering science , environmental engineering or another related fields (PHD is an asset) (20 points)• Technical experience on projects design (related to water& sanitation), on technical feasibility studies , Bids preparation and Projects cost estimation. (20 points)• previous experience in working with UN agencies or other international organizations responsible on project’s construction. (10 points)• Have knowledge on Environment, Climate Change, ecotourism, SDGs, humanitarian settlement with knowledge on solar energy. (10 points)• Experience or Knowledge of contexts of Iraq. (5 points)• Proven professional skills in developing high quality reports, providing reports samples (20 points)• Excellent oral and written communication skills in English (5 points)• Preferred understanding and speak Arabic language. (10 points)	100 Points	70%
Financial	<u>Lowest Offer / Offer*100</u>		30%
Total Score = (Technical Score * 0.7 + Financial Score * 0.3)			

Only candidates obtaining a minimum of 70 points of the 100 points in the Technical Evaluation will be considered for the Financial Evaluation.

Criteria	Weight	Max. Point
Technical	70%	70
Financial	30%	30
Total	100%	100

Total Score

- The technical score attained at by each proposal will be used in determining the Total score as follows:
- The weights given to the technical and financial proposals are: $T= 0.7$, $F=0.3$
- The Total score will be calculated by formula: $TS = St \times 0.7 + Sf \times 0.3$
- TS - Is the total score of the proposal under consideration
- St - is technical score of the proposal under consideration.
- Sf - is financial score of the proposal under consideration