

About the Project

Iraq is considered the 5th most vulnerable country to the effects of climate change. The impacts of climate chang

Farms will serve as demo sites utilizing hydroponic and aquaponic techniques to promote the Nexus approace The efficient irrigation techniques will support the subsistence far(ners) Basraļraq.

Description of the Service

- Developing a plan for crop farmi(rgop calendar)with full cooperation with the IUCN team based on selected crop types and the nature of each location
- Submission of a complete package of design for the source of the systems for each site of clausing drawings, BOQs, specifications, and implementation methodology. Both soft (AutoCAD& PDF) and hard copies.
- During design all safety precautions and environmental regulations mash sidered
- Prior to implementation, the design package must be reviewed and approved by the IUCN.

The key tasks to be undertaken to deliver this phase shoeulocludedout not limited to the following

- Must obtain the full approval from the IUCN on the design packetore starting implementation.
- Provide an implementation plan within a defined time fraimmetude needed resources materials, equipment, site priorities etc.
- The contractorshould be responsible for the required sources (e.goersonal, workers, transportation, water, electricity, etc) during implementation and the accommodation facilities for his staff and workers.

- Conduct on-site training for theefficient irrigation system peration and mainterance for each farm's beneficiaries.
- Develop and submit a list of the spare parts and warranties for the installed system
- As built drawing should be drafted and submitted to Itto lall installed systems
- All sites targeted for irrigation efficiency should be set on one map and include real coordinates.
- Greensoilless farms (demo site) should be set on one map and include real coordinates.
- Handing oveall implemented test to the beneficiaries accordance with approved forms

Essential Requirements

1. of experts

The team of experts should have **for** owingqualifications and experiences as a minimum requirement:

1. Construction manager (team leader)

- University degree in civil engineering or a relevant field (master's /PhD degree is an advantage).
- A minimum of 10 years of general experience in designing, installing, and commissioning different projections.
- A minimum of yearsof specificexperience agriculture field.
- Proven expertise and-inhepth knowledge of the field of agriculture with work experience in a similar proje
- Expertise in managing the implementation of variAgsi-projects that applied new agricultural practices so as soilless agriculture projects.
- Advanced knowledge of English and Arabic languages.
- Strong interpersonal skills and the ability to communicate with various stakeholders in politically s situations with diplomacy and tact.

2. Agriculture expert

- University degree in agriculture or a relevant field (master b) degree is an advantage).
- A minimum of 10 years of eneral experience in designing, installing, and commissioning different culture projects
- A minimum of5 years ofspecificexperience inirrigation techniques, crop management, smart agricult practices
- Proven expertisandin-depth knowledge of the field of agriculture with work experience in a similar proje
- Expertise in designingupervising and implementing various gri-projects that applied new agricultural practice such assoilless agriculture projects
- Advance knowledge about crop management iamigation networks.
- Advanced knowledge of English and Arabic languages. Strong interpersonal skills and the ability to con with various stakeholders in politically sensitive situations with diplomacy and tact.

3. Irrigationexpert

- University degree in irrigation or relevalied (mastel PhD is an advantage).
- A minimum of 10 years of experierioedesign and implementation of
- A minimum of5 years ofspecificexperience incrop management, smart agriculture practices art irrigation systems and soilless agriculture techniques
- Proven expertise idepth knowledge of the field of agriculture, irrigation in Jordan.
- Expertise in designing upervising and implementing various smart irrigation systems (especially systems utilize efficient water use such as illess agricultur, equaponic, and drip irrigation).
- Advanced knowledge of English and Arabic languages. Strong interpersonal skills and the ability to communicate with various stakeholders in politically sensitive situations with diplomacy and tact.

4. Renewableenergy expert

- University degree in Renewable energy or releficient (master PhD is an advantage).
- A minimum of 5/ears' experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing and implementation of renewable enemoty experience in the designing experience
- Proven expertise and-indepth Knowledge of the field of renewable energy in Jordan.
- Expertise in designing, supervision and implementing various Renewable energy techniques for agricul
 irrigation (including the usage of renewable energy for at least one project that adopts simulate
 agriculture such assoilless agriculture)
- Advanced knowledge of English and Arabic languages. Strong interpersonal skills and the ability to communicate with various stakeholders in politically sensitive situations with diplomacy and tact.

Reporting:
During the project life, the contractor should

Payment 3;

Upon satisfactory complete implementation of the fifteen-efficient irrigation systems.

30% of corresponding total amount

• Satisfactory completion of fifteen efficier irrigation systems