

Terms of References (EuropeAid/174783/DD/ACT/JO) -14

Date of Announcement: 17/10/2024

This ToR is published under EuropeAid/174783/DD/ACT/JO Green Innovation Projects as part of the EU support to Green Economy in Response to the Syrian crisis in Jordan 2021– 2024

EDAMA Association has published a call for **the Purchase and installation of five multi-span greenhouses for five farms in Azraq City** under the Green Links project.

A. Brief About the Project.

Project Key Information

Project Number: EuropeAid/174783/DD/ACT/JO

Title of lot: Green Innovation Projects as part of the EU support to Green Economy in Response to the Syrian crisis in Jordan 2021 - 2024

Title of the action: Green Links Project

Partners: lead partner Business Development Center, EDAMA and CAN

Project Duration: 24 Months

The overarching goal of this project is to foster sustainable resource management through green innovation in Azraq and Zarqa, Jordan. Our focus is on creating an integrated approach to the energy-water-food nexus by employing circular economy strategies, technology-driven solutions, and community involvement. We aim to build a resilient, self-sustaining ecosystem that optimizes resource use, reduces waste, and generates employment opportunities, all while safeguarding the environment.

B. Brief About EDAMA

EDAMA in Arabic means “sustainability”. EDAMA Association is a Jordanian NGO established in 2009. As a Business Association, we are here to cultivate an environment where innovative solutions for energy and water independence and environmental conservation emerge.

Advancing Jordan’s movement towards a green economy is an ambitious and priority goal. To be achieved, we need robust knowledge hubs, multi-stakeholder dialogue avenues, and

private sector mobilization. EDAMA's niche is in providing a platform agile and inclusive enough to involve a large number of public, private and NGO sector representatives. These key players together discuss and shape the future development of the Energy, Water, and Environment (EWE) sectors in Jordan.

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C. Requested Supplies.

- The installation of **five Multi-Span greenhouses** on the farms in Azraq City is scheduled to begin in First -December.

Greenhouse Structure Dimensions:

- Length: 40 m
- Width: 9 m
- Middle height: 3.65 m
- Total area: 360 m²
- Side height: 2.10 m

Note: All foundations must be poured, and a 10 cm blinding must be poured on the house facade.

Iron structure specifications:

a. Arches:

- Number of arches: **17 arches**
- Arches are made of **galvanized** pipes with a diameter of **60 mm**, a thickness of 2 mm, and verticals of **2 mm**.
- The **distance** between all arches is **2.5 m**.
- Each arch consists of **four pieces**: two verticals and two arches.

b. Longitudinal supports:

- The arches and longitudinal supports are connected by crossbars with a diameter of 55 mm and a thickness of 2 mm.
- The longitudinal supports are made of pipes with a diameter of 32 mm and a thickness of 1.5 mm.

c. Installation accessories:

- All fasteners and screws are **galvanized** and of excellent quality.

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d. Crop holders:

- The holders are made of galvanized pipes with a diameter of **32 mm** and a thickness of **1.5 mm**.
- They are installed on all arches **except** the first and last arches.
- Crop holder hanger number 3 for each rack.

e. Stiffeners and ground foundations:

- Easy to install the house using special stiffeners with a thickness of **2 mm without** using **any welding point**.
- Upper stiffeners are made of pipes with a diameter of 55 mm and a thickness of 2 mm.
- Ground foundations are made of pipes with a thickness of 60 mm and 2 mm and are poured with concrete foundations.

f. Facades

- Made of windbreaks and a cross pipe.
- Crosses between the columns X diameter 32 mm and a thickness of 1.5 mm.
- The front facade is made of galvanized tubes measuring 30 x 30 x 1.5 mm, and the facade is prepared to install **two** 53-inch suction fans.
- The back facade is made of galvanized tubes measuring 30 x 30 x 1.5 mm and prepared to install cooling frames.
- The facade is supported by 1-inch pipes, 1.5 mm thick.

g. Doors

- The door in the middle of the house is a **sliding door** made of galvanized tubes, 1.5 mm thick. With a sterilization/service room and covered with **polycarbonate**

h. Stiffeners:

- The arches are connected using stiffeners (upper) made of pipes with a diameter of 55 mm and a thickness of 2 mm.
- The ground bases are stiffeners made of pipes with a diameter of 55 mm and a thickness of 2 mm.
- A pipe is added using **electric** welding to allow the overlap of the longitudinal purlins, and they are made of pipes with a thickness of 2 mm.

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Cover:

- The ceiling cover is made of high-quality **agricultural plastic**, 200 microns thick. Treated against **ultraviolet** rays.
- The facades are covered with transparent agricultural polycarbonate, 6 mm thick, Treated against ultraviolet rays
- Includes sheet metal closures, self-tightening screws for installation, and an H-shaped profile between the panels

Cooling system:

- 2 suction fans high quality , with a suction capacity of 41100 m3/h, measuring 53 inches.
- High-quality cardboard cooling cells measuring 10 cm * 60 cm * 200 cm.
- An air distribution fan high quality is added to each house, measuring 21 inches.
- An electrical control panel for the entire house to control the fans and pump according to the temperature with a temperature sensor.
- High quality half horsepower cooling water pump
- Electrical cables for internal connections of the house include sleeves to protect the cables, not including the main cable connected to the panel.
- Galvanized iron cooling frames 1.5 mm thick, with a perforated pipe added to distribute water 6 m long.

Important notes:

The offer must include all the following:

1. Transportation fees to Azraq city.
2. Construction and civil works for foundations and construction materials.
3. Installation fees.
4. Ground leveling.
5. Delivery period
6. The warranty should be for a minimum of one year.

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D. ToR Timeline

Milestone	Date	Time (Jordan's time)
Publishing the ToR	17.Oct.2024	12:00
Deadline for questions	5.Nov.2024	23:59
Release of answers to questions	12.Nov.2024	16:00
Deadline for offers	17.Nov.2024	23:59

E. Eligibility Requirements:

Tenderer must be a registered company with prior experience in the installation and implementation of similar projects.

F. Offer Submission (according to EU Procurement guidelines)

- The bidder should submit two closed, sealed, and signed envelopes:
 - The first envelope contains all information regarding the technical offer which will be labelled as "The Technical Offer – Multi-Span Green Houses/ Multi-Span Green Houses/ EuropeAid/174783/DD/ACT/JO Green Links_EDAMA" and the company logo and stamp.
 - The Financial Offer -Multi-Span Green Houses/ EuropeAid/174783/DD/ACT/JO Green Links_EDAMA" and the company logo and stamp clearly typed on it.
 - Each Label on both envelopes should have the following information:
 - Name of the Focal Point in EDAMA
 - Name and address of the tenderer
 - Title of the tender
 - Reference Number
- The Technical Offer must not contain any hint to the financial offer. Otherwise, the Tenderer will be directly disqualified.
- Each tenderer is allowed to submit only one offer (technical and financial offer).
- Please note that the Terms of Reference for the multi-span greenhouses **is available in Arabic**.
- Tenderer may submit his **offer in either English or Arabic**, however, both the technical and financial offers must be in the same language.
- Offers must be delivered to EDAMA's physical address below by hand:
 - 1st floor, 8- Yousef El Sukkar Street
 - Or by Email at: info@edama.jo

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G. Evaluation Accepted Criteria.

Offers will be evaluated based on the following:

Technical Offer	80%
Financial offer	20%
Total	100%

H. Contract Mechanism

EDAMA anticipates awarding a fixed-price purchase to the tenderer whose quote will be evaluated based on offering the best value for best quality. The payment schedule will be based upon deliverables to be determined during the award stage.

I. Administrative Issues

1. Supplier will commit to all policies govern EDAMA, CAN, BDC and UNCHR.
2. Additional details of rules, regulations and conditions will be attached to the contract.

J. Disclaimers:

- a. Prior to the submission deadline, EDAMA reserves the right to:
 - Modify, delete, or add any term in this ToR.
 - Extend the ToR deadline.
- b. EDAMA may reject any or all offers received after the submission deadline.
- c. At any time prior to the execution of the Contract with the successful Tenderer, EDAMA reserves the right to the following:
 - Request clarifications from Tenderers to their Offers
 - Negotiate with multiple Tenderers on the terms of their Offers.
 - Terminate this ToR upon its perspective without declaring and without any legal consequences, and the Tenderers have no right to object.

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- d. The Tenderer has no right to object to the technical and financial evaluation criteria.
- e. EDAMA reserves the right to issue award based on initial evaluation of offers without further discussion.
- f. EDAMA may choose to award only part of the activities in the solicitation, or issue multiple awards based on solicitation activities.
- g. EDAMA reverse the right to waive minor offer deficiencies that can be corrected prior to award determination to promote competition.
- h. Final price shall be clear and in JOD

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