

Technical Offer (EuropeAid/174783/DD/ACT/JO) -21

This Technical Offer template 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 of **Five Single-span Greenhouses for Five Farms in Al-Azraq District** under 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

This section includes a table for bidders to fill in with the bidder information and full technical specifications of the single-spans they are offering. The following table should outline the detailed technical specifications of the item proposed:

Bidder Information	
Entity Name	
Date of Submission	
Contact Person	
Contact Person Title	
Email Address	
Phone Number	
Entity Address	
Authorized Signature	
Technical Information	
General Information	
<u>Supply</u>	<u>Quantity</u>
Single-Span Greenhouse	5
Technical Information: [Insert full description]	
Section1: Greenhouse Structure Dimensions	
<u>Component</u>	<u>Specification</u>
Length (m)	
Width (m)	
Middle Height (m)	
Side Height (m)	
Total Area (m2)	
<p>All foundations must be poured 15-20 cm, and a 10 cm Blinding Pour must be made in proportion to the slope of the land and on both facades (front and back) and sides of the house.</p>	

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Section 2: Steel Structure Specification	
a. Arches	
<u>Specification</u>	<u>Compliance</u> [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
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	
<u>Specification</u>	<u>Compliance</u> [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
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	
<u>Specification</u>	<u>Compliance</u> [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
All fasteners and screws are galvanized and of excellent quality.	

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d. Crop holders	
Specification	Compliance [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
The holders are made of galvanized pipes with a diameter of 32 mm and a thickness of 1.5 mm and are installed on all arches except the first and last arches.	
Crop holder hanger number 3 for each rack.	
e. Stiffeners and ground foundations	
Specification	Compliance [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
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	
Specification	Compliance [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
Made of windbreaks and a cross pipe.	

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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 facades are supported by 1-inch pipes, 1.5 mm thick.	
g. Doors	
<u>Specification</u>	<u>Compliance</u> [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
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	
<u>Specification</u>	<u>Compliance</u> [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
The arches are connected using stiffeners (upper) made of pipes with a diameter of 55 mm and a thickness of 2 mm.	

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<p>The ground bases are stiffeners made of pipes with a diameter of 55 mm and a thickness of 2 mm.</p>	
<p>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.</p>	
Section 3: Cover	
<u>Specification</u>	<u>Compliance</u> [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
<p>The ceiling cover is made of high-quality agricultural plastic, 200 microns thick. Treated against ultraviolet rays.</p>	
<p>Both Facades (Front and Back) are covered with transparent agricultural polycarbonate, 6 mm thick. Anti-UV treated.</p>	
<p>The sides are covered with transparent agricultural polycarbonate, 6 mm thick. Anti-UV treated.</p>	
<p>Includes sheet metal closures, self-tightening screws for installation, and an H-shaped profile between the panels</p>	

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Section 4: Cooling System	
Specification	Compliance [Kindly confirm whether you will comply. If not, please provide an explanation of the proposed alternative]
Two suction fans high quality, with a suction capacity of 41100 m ³ /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 steel cooling frames 1.5 mm thick, with a perforated pipe added to distribute water 6 m long.	

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Important notes:

The offer must include all the following:

1. Transportation fees to the Azraq area.
2. Construction and civil works for foundations and construction materials.
3. Installation fees.
4. Ground leveling.
5. Delivery period should be no later than two weeks from accepting the offer.
6. The warranty should be for a minimum of one year after delivery and full operation.

D. Eligibility Requirements:

- The tenderer must be a registered company with prior experience in the installation and implementation of similar projects and supplying similar equipment. The Registration certificate must clearly state the eligibility of implementing (installation and operation) greenhouses projects.
- The tenderer is required to submit a copy of the company registration certificate, along with a list of relevant past projects. The list should include the project info, a brief description, pictures of projects, and the year of implementation.
- The country of origin for the supplied products should be either locally made or EU made.

E. Offer Submission (according to EU Procurement guidelines)

1. Submission Method:

- **By Hand:** The bidder should submit **closed, sealed, stamped, and signed** envelopes to the tenders closed box at EDAMA's physical office address as follows: **Address:** 1st floor, 8- Yusef El Sukkar Street.
- **Or By Email:** The bidder may also submit the technical offer via email. The email should include **protected** documents (e.g., password-protected PDFs). The password to open the documents must be shared with EDAMA on the day of the tenders opening.
Address: info@edama.jo

2. Envelope Labelling and Contents:

- The Technical Offer envelope must contain all information regarding the technical offer.
- The envelope must have the following details clearly labelled:
 - The company logo.

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- An authorized signature.
- The company stamp, clearly visible.
- Name of the Focal Point in EDAMA: **Musab Al Najjar** .
- Name and Address of the Tenderer.
- Title of the Tender as follows: "The Technical Offer – Single-span/EuropeAid/174783/DD/ACT/JO Green Links_EDAMA."
- Project Reference Number as follows: EuropeAid/174783/DD/ACT/JO Green Links_EDAMA.

3. Technical Offer Guidelines:

- The Technical Offer must not contain any information related to the financial offer. Failure to comply will result in the bidder's disqualification.
- Each tenderer is allowed to submit only one technical offer.
- The Technical Offer may be submitted in either English or Arabic, but both the technical and financial offers must be submitted in the same language.