



## **WORKS CONTRACT NOTICE FOR THE REHABILITATION OF THE IRRIGATION CANAL IN THE UoM OF SAHEL AL QAYTAA IN THE FRAMEWORK OF THE MASAR PROJECT**

### **1. Reference**

TF-MADAD/2018/T04.136

### **2. Procedure**

Competitive negotiated

### **3. Programme title**

Dealing with Displacement – resilient subnational government in communities in the region affected by the Syrian crisis

Madad EU Regional Trust Fund in Response to the Syrian crisis

### **4. Financing**

TF-MADAD

### **5. Contracting Authority**

For indirect management: Agència Catalana de Cooperació al Desenvolupament

Nationality: Spanish

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## **CONTRACT SPECIFICATION**

### **6. Nature of contract**

Lump-sum

### **7. Description of the contract**

The Agència Catalana de Cooperació al Desenvolupament, through a consortium led by the Dutch organization of municipalities VNG, is participating in the MASAR project, a project funded by the European Union focused in the areas affected by the Syrian crisis.

The consortium of the European partners agreed that ACCD would focus its intervention in Lebanon, more specifically in the coastal plain north of Tripoli.

One of the project proposals is the improvement of the irrigation canal in the Union of Municipalities of OUSSAT WA SAHIL AL QAYTAA.

ACCD in partnership with the local governments of the UoM Oussat wa Sahel al Qyataa will implement a quick impact pilot project on the irrigation canal of Nahr al Bared that focuses on the mandate of local governments as entry point. As such, the proposed intervention will concentrate in implementing the works for the rehabilitation of the irrigation canal in the Municipalities of Oussat wa Sahil al Qaytaa.

➤ **Main Construction Activities (please refer to Annex.1)**



The following sections present the main construction activities for the project to be undertaken by the Contractor. The Engineer would supervise these activities and report progress to ACCD. The estimated timeline for the completion of the project is 133 days (5.5 months).

### 1. Mobilization and Submittals

This phase is expected to take up to 25 days. It mainly includes administrative and technical activities prior to mobilization.

#### 1.1 Site Handing Over

The Engineer would accompany the Contractor to hand over the project location. The Contractor would also coordinate with the Union of Municipalities representative to agree on a designated laydown area which would be used to set up the Contractor's field office and his material and temporary tools and equipment. The laydown area would be secured and protected.

#### 1.2 Site Topographical Survey

The Contractor would send surveyors to the project area to conduct a site survey to mainly locate the different areas where interventions are proposed. The aim of a site topographical survey is to also obtain detailed information for contractor to prepare shop drawings and submit to KREDO for approval, such as:

- X, Y, Z coordinates of existing wastewater network, discharge points, and canal sides and crossings where safety interventions are proposed;
- Confirmation on location of existing manholes;
- Identification of any potential issues.

#### 1.3 Administrative and Engineering Submittals

Prior to mobilization, the Contractor is expected to submit the following documents to be reviewed and approved by the Engineer;

- Work Insurance:
  - o Contractor All Risk Insurance
  - o Third Party Liability Insurance
  - o Workmen's Compensation Insurance to cover accidents of workers or staff
- Work Plan Schedule
- Organizational Chart and CVs of key personnel
- Method Statement for the works to be executed
- Material Submittals for approval prior to the procurement of steel rebar, UPVC pipes,



manhole covers, handrails, chain link fencing and reflectors

- Shop Drawings
- Construction Safety Plan
- Covid-19 Safety Prevention Plan

#### 1.4 Mobilization

Mobilization of equipment and tools and setting up the Contractor's field office at the designated laydown area.

### 2. Safety Interventions

#### 2.1 Earthworks

Earthworks include the following activities:

- Cleaning and grubbing of all bushes, shrubs and top soil grass at the edge of the canal in order to install the fencing. The material would be disposed of at sites approved by the Engineer.
- Demolition and removal of existing concrete walls, barriers, parapets that are broken, as well as the removal of exposed steel reinforcement in order to install proper railing.
- Trench excavation of a maximum of 1 m for jersey barrier, concrete tie beam, and concrete edge. Excavation would be done with an excavator with a bucket width of at most the width of the trench. Excavation would be performed slowly to prevent any possible damage to underground utilities. Material suitable for backfilling could be used while unsuitable material would be carted away to approved dump sites.

#### 2.2 Concrete, Steel and Structures Works

Following the trench excavation where concrete edges for chain link fencing or handrails are needed, the Contractor shall proceed with pouring a layer of blinding concrete. Concurrently, the steel works will be prepared. Once the blinding is set and dry, the Contractor's carpenters will install the formwork for the foundations and the steel bars would be lowered and placed on the blinding using spacers to ensure the required concrete cover is reached. Concrete would be poured and cured. Once it is dry, the formwork would be removed.

At locations where there is an existing concrete slab, such as at crossings, no trench excavation is needed. Rebars from the top slab of the crossing would be extended and joined using epoxy to connect it to the new steel.

At locations where there is an existing concrete edge, handrails would be bolted while the posts for chain link fencing would be installed in the existing concrete edge.

The work also involves the construction of reinforced concrete crossings as per the design drawings.

Metal works in this activity also include the procurement and transportation of galvanized



chain link fencing, handrails, and metal gates as per specifications described in the drawings, to the locations of the interventions.

### 2.3 Incidental Construction Works

The work involves the installation of barrier delineators on the sections where jersey barriers are installed for the safety of vehicles at night, as per design drawings.

## 3. Wastewater Interventions

### 3.1 Earthworks

Earthworks include the following activities:

- Cleaning and grubbing of vegetation, surface debris, stones, rocks and any kind of dirt on existing dirt road.
- Cutting and Breaking Out of Existing Paved Surfaces: With the help of the Contractor's surveyor, the area to be cut would be marked with spray paint according to the required width. The asphalt layer would be excavated and disposed of at sites approved by the Engineer.
- Trench Excavation: Trenches up to 5 m in depth would be excavated using an excavator with a bucket width of at most the width of the trench. Excavation would be performed slowly to prevent any possible damage to underground utilities. Material suitable for backfilling could be used while unsuitable material would be carted away to approved dump sites.
- Sand Bedding, Pipe Laying and Backfilling: Prior to laying the pipes, approved sand material would be evenly poured into the trench and compacted to form a bedding which is the layer at the bottom of the pipe. After the pipes are laid, sand material would be poured on top to form a layer of at least 0.3m above the pipe after compaction. Backfilling would be done using excess suitable material taken from the excavation and approved by the Engineer. Backfill material would be spread in layers and compacted using drum roller compactor and water spraying to reach optimum compaction.

### 3.2 Concrete, Steel and Structures Works

The work involves the supply and installment of steel support for uPVC pipes as shown in the drawings. Concrete encasement would also be provided when needed.

### 3.3 Sewer Network

The work involves the following activities:

- Supply, transport and installation of UPVC pipes with specifications detailed in the design drawings;
- Supply and installment of pipe fittings, connections and accessories;
- Supply and install Reinforced Precast concrete manholes and inspection chambers with Sulfate Resistant Cement coated internally with 2 coats, and coated externally with 2



coats bitumen epoxy including all necessary fittings with heavy duty Ductile Iron cover and frame with lock, to the approval of the Engineer.

- Connecting the proposed wastewater lines to existing networks.

### 3.4 Bituminous Construction

Reinstatement of the asphalt layer would be done for part of the road that was excavated i.e. only along the width of the trench excavated to install sewer pipes. Reinstatement consists of the following layers:

1. Selected backfill material
2. Aggregate base course layer (25cm)
3. Prime Coat
4. 2 layers of asphalt (5cm each)

After backfilling the trench as described in the Earthworks section, the Contractor would perform a compaction test (sand cone test) to ensure more than 95% compaction. Once the test passes, the Contractor could proceed with the asphalt layer. Prime coat would be sprayed on top of the base course and allowed to semi-dry. Then, an asphalt binder course would be spread and compacted. When the asphalt binder course is completed and cold, a tack coat would be applied to the binder course and allowed to semi-dry. The wearing course layer would then be laid, spread, then compacted similar to the binder course.

### 4. Solid Waste Interventions

#### 4.1 Cleaning of the Canal and Earthworks

Where the screen is to be installed, the irrigation canal shall be cleared of all silt and debris. All waste material shall be disposed of at approved sites as directed by the Engineer. Minimal trench excavation works would be needed to construct the concrete tie beam that would support the screens.

#### 4.2 Concrete, Steel and Structures Works

The work involves construction of concrete tie beam and the procurement, transport and installation of galvanized steel screen, handrail and working platform with all necessary fixtures.

### 5. As- Built Drawings Submittal

As-built drawings will be prepared by the contractor and submitted to KREDO at the end of the project once all construction activities are completed. The Contractor would survey the final works and submit as-built drawings to reflect the final completed works.

### 6. Demobilization

A period of three days is allocated for the Contractor to remove his equipment and field office from the laydown area after the project implementation is over.



## 7. Handing Over

After the completion of works and after revising the as built drawings, KREDO will make sure all works have been completed as per specifications and drawings and accordingly with the contractor, the site will be handed over to NLWE as the owner and manager of the irrigation canal.

It is crucial that screen cleaning activities are performed regularly to maintain the functionality of the screens with continuous coordination with NLWE representatives. And as discussed during our validation meeting the cleaning activities will be done by the workers on the canal if not NLWE will name a person from the local community to be responsible for the task.

## 8. Provisional commencement date of the contract

Mid- November (TBC).

## 9. Period of implementation of tasks

6 months (TBC).

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## TERMS OF PARTICIPATION

### 10. Eligibility and rules of origin

Participation in this tender procedure is open only to the invited tenderers.

Participation is open to all natural persons who are nationals of and legal persons [participating either individually or in a grouping (consortium) of tenderers] which are effectively established in a Member State of the European Union or in a eligible country or territory as defined under the Regulation (EU) N°236/2014 establishing common rules and procedures for the implementation of the Union's instruments for external action (CIR) for the applicable Instrument under which the contract is financed (see also heading 17 below). Participation is also open to international organisations. All goods purchased under the Contract must originate from an eligible source country as defined above. However, the goods to be purchased may originate from any country, whenever the total price of the estimated quantity of those goods, as reflected in a separate item of the Breakdown of the Lump-sum Price (Volume 4.2.3) is below 100.000 €.



## 11. Subcontracting

Subcontracting is allowed. The upper limit authorised for subcontracting is 50% of the value of the tender.

Subcontractors, suppliers and entities upon whose capacity the tenderer relies for the selection criteria, must be eligible in respect of the rules on nationality and origin for the financing programme detailed in Section 10 above.

## 12. Grounds for exclusion

Natural persons, companies or undertakings falling into a situation set out in section 2.3.3.1 ('exclusion from participation in procurement procedures') and section 2.3.3.2 ('rejection from a given procedure') of the Practical Guide, are not entitled to participate in this tender procedure or be awarded a contract. Should they do so, their tender will be considered unsuitable or irregular respectively. Tenderers must provide declarations to the effect that they are not in any of the exclusion situations listed in section 2.3.3 of the Practical Guide. The declarations must cover all the members of a joint venture/consortium. Tenderers guilty of making false declarations may also incur financial penalties and exclusion in accordance with section 2.3.4 of the Practical Guide.

Those exclusion situations apply to all members of a joint venture/consortium, all subcontractors and all suppliers to tenderers, as well as to all entities upon whose capacity the tenderer relies for the selection criteria.

## 13. Number of tenders

Tenderers may submit only one tender. Tenders for parts of the works will not be considered. Tenderers may not submit a tender for a variant solution in addition to their tender for the works required in the tender dossier.

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## SELECTION AND AWARD CRITERIA

### 14. Selection criteria

In order to be eligible for the award of the contract, tenderers must provide evidence that they meet the selection criteria. If a tender is submitted by a consortium, unless specified, the selection criteria will be applied to the consortium as a whole.

The selection criteria for each tenderer are as follows:

- The bidders need to be classified as Class A companies from the Lebanese Ministry of Energy and Water

#### **14.a Economic and financial capacity of candidate:**

- the average annual turnover of the tenderer in the past 3 years must be at least EUR 300.000



#### **14.b Technical and professional capacity of candidate:**

It must have completed at least 5 projects of the same nature/amount/complexity as the works **concerned** by the tender and implemented during the last 5 years counting from the submission deadline (5 years for economic sectors subject to rapid evolution).

**Please add** copies of certificates of final acceptance signed by the supervisors/contracting authority of the projects concerned.

#### **15. Award criteria**

The award criterion will be the price: the most economically advantageous tender is the technically compliant tender with the lowest price and meeting the criteria in point 14.

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### **TENDERING**

#### **16. Ethics clauses**

The tenderers are subject to the Ethics clauses, detailed in Section 2.4.14 of the Practical Guide.

#### **17. Legal basis<sup>1</sup>**

Regulation (EU) N°236/2014 of the European Parliament and of the Council of 11 March 2014 laying down common rules and procedures for the implementation of the Union's instruments for financing external action.

#### **18. Appeals**

Tenderers believing that they have been harmed by an error or irregularity during the award process may file a complaint. See further section 2.4.15 of the Practical Guide.

#### **19. Data protection**

If processing your reply to the invitation to tender involves the recording and processing of personal data (such as names, addresses and CVs), such data will be processed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the EU institutions and bodies and on the free movement of such data. Unless indicated otherwise, your replies to the questions and any personal data requested are required to evaluate your tender in accordance with the invitation to tender and technical specifications and will be

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<sup>1</sup> Please state any specificity that might have an impact on rules on participation (such as geographic or thematic or long/short term).





processed solely for that purpose by the data controller. Details concerning processing of your personal data are available on the privacy statement at <http://ec.europa.eu/europeaid/prag/annexes.do?chapterTitleCode=A>.

For EuropeAid: The Controller of call for tenders is the Head of Unit R3

For Enlargement; The Controller of your call for tender is <please add the name of your Controller>

For any other DG: <please add the name of your Controller >

## **20. Early Detection and Exclusion System**

The tenderers and, if they are legal entities, persons who have powers of representation, decision-making or control over them, are informed that, should they be in one of the situations of early detection or exclusion, their personal details (name, given name if natural person, address, legal form and name and given name of the persons with powers of representation, decision-making or control, if legal person) may be registered in the Early Detection and Exclusion System (EDES) and communicated to the persons and entities concerned in relation to the award or the execution of a procurement contract.].

Date:

Carme Gual Via  
Director  
Agència Catalana de Cooperació al Desenvolupament