6716
Terms of Reference

Qobayat Hill Lake – Irrigation Project

1. BACKGROUND INFORMATION

1.1. Beneficiary country

Lebanon

1.2. Contracting authority

World Vision Lebanon (WVL)

1.3. Country background

Lebanon is regionally the country most impacted by the Syrian crisis, hosting more than 1 million Syrian refugees in the region. As the Lebanese economic and social structures are still struggling to recover from decades of violence, the government remains unable to meet its citizens' needs, which has led to gaps in the delivery of basic services. Despite these growing needs, the current funding allocated to Lebanon is estimated at only 40% of that needed to address the crisis and its stabilization.

1.4. Current situation in the sector

WVL has been operating in Lebanon since 1975. Since 2012, it has scaled up its operations in WASH, in response to the Syrian crisis. With the current high number of refugees, there is increasing recognition that agencies need to focus on supporting longer-term solutions to structural concerns, in order to better serve all those impacted by the crisis, including the hosting communities. In attempt to improve the sustainability of WASH investments, WVL is strategically pursuing WASH investments that will benefit both the Lebanese host-community and the Syrian refugees. This improved efficiency in WASH investment is in line with the 2017-2020 Lebanon Crisis Response Plan (LCRP), which guides humanitarian actors within Lebanon.

2. OBJECTIVE AND EXPECTED RESULTS

2.1. Objective

The project seeks the services of a professional contractor with substantial experience in design and execution of Agriculture irrigation utilities.

The Contractor shall be responsible of:

2.1.1- Execution of irrigation water networks through secondary and tertiary connections in Qobayat-Akkar.
2.1.2- Capacity building for farmers on drip irrigation techniques (installing and usage).

2.2. Expected results

World Vision will rely on the contractor to develop a work plan and a preliminary design to perform the project. The contractor will work closely with the Project Coordinator providing the construction team with technical documents as well as standards and guidelines to adhere to.

All pipes and fittings must have certifications from well-known third party based on European standards; Pipes should be made of virgin material and manufacturer to have all necessary certifications from European third party, certifications and list of materials with trademarks to be submitted with the bid document to World Vision.

In order to support World Vision, the contractor shall be executing his duties during 2 phases that could go in parallel at the same time:

2.2.1-The Construction Phase:

Delivery and installation of pipes-fittings and all related items described in the BOQ.

2.2.2-The Training Phase:

Trainings on drip irrigation use and maintenance are to be provided to farmers over 2 days
1 day theoretical training per beneficiary in a classroom where the expected 77 farmers are split in 3 groups trained on 3 different days and covering the following:

- Concept of drip irrigation and water distribution compared to flood irrigation or sprinklers irrigation.
- Recommended frequency of drip irrigation and density of drip nozzles per tree or crops.
- Type of drippers and drip lines used
- Fittings and pipes used in drip irrigations systems
- Clogging risks and factors affecting it , prevention and treatment
- Basic overview on water flow and pressure in irrigation.
- Basic overview on fertigation
- Basic overview on techniques of water saving in agriculture
- Basic overview on impact of communal benefit on individual benefit especially in agriculture

1 day practical training per beneficiary where the expected 77 farmers are split in 7 groups trained on 7 different days in the farmers' fields covering the following:

- Recognize the different available fittings and mode of use
- Soil water holding capacity and calculation of needed water
- Contribute to the instalment of drip irrigation system
- Contribute to the application of fertigation techniques
- Identification of indicators of drought stress on plants
- Identification of difference between root problems and irrigation shortage
- Application of prevention and treatment of clogging
- Application of calculation of water supply per plant and per plot.

In total, every beneficiary will be attending 2 training days only, one theoretical and one practical, and the trainer will provide 10 training days, 3 theoretical (in a classroom) and 7 practical (in the farmers' fields).
The training venue will be the cooperative (theoretical) and the farmers' fields (practical).
For the practical training, farmers will be split in groups, based on the geographical proximity of their plots, in a way that will allow the trainer to move from one plot to the other, if needed.

3. LOGISTICS AND TIMING

3.1. Location

Qobayat – Akkar – North Lebanon

NB: A site visit will be held. Interested candidates are to liaise with the following WVL representative:
WASH Project Coordinator

3.2. Period of implementation of tasks

- 1 month for implementation
- Start date to be specified by WVL in agreement with selected Contractor

4. PAYMENT TERMS

4.1 All invoices and other necessary documents shall be sent to the attention of the Procurement Department

4.2 Payment will be made after the completion of the works, provided that WVL has received an appropriate original invoice from the Contractor, along with a Technical/Handover Report from the WASH Project Coordinator stating that the Contractor has fulfilled his duties, in alignment with the specifications and the quality of the agreed upon deliverables. Payment will be made in full within a period of one month thereof

5. MONITORING AND EVALUATION

The Contractor's work will be measured in line with the following standard indicators:

- Time: Adhering to the agreed-upon schedule/work plan for materials and deliverables
- Quality: Adhering to the minimum professional standard of quality for materials and deliverables

6. REQUIREMENTS

Submission of Sealed Bids:

Offers must be submitted in 3 (two) separately sealed envelopes as follows:

- 1 (one) sealed envelope containing administrative part of the offer
- 1 (one) sealed envelope containing technical part of the offer
- 1 (one) sealed envelope containing financial part of the offer

Content of Administrative Offer

No financial information should be included in the Administrative offer. Failure to comply may risk disqualification. The administrative offer should include:

- Contractor profile, including legal registration documents
- List of recent similar works performed and their corresponding amounts
- Previous experience with UN agencies or other international NGOs, if available
- Names and CVs of key personnel proposed for the implementation of the works
- Certificate of registration at the Ministry of Finance and VAT, if available
- Classification of Contractor, if available

Content of Technical Offer

No financial information should be included in the Technical offer. Failure to comply may risk disqualification. The technical offer should include:

- Method statement
- Submittal of material
- Schedule / Lead Time

Content of Financial Offer

- The Contract shall be for the works described above, based on the unit rates and prices submitted by the Contractor in the attached BoQ
- The currency for the bid and all rates shall be in US Dollars
- All duties, taxes (except for VAT), and other levies payable by the Contractor under the Contract shall be included in the rates and prices
- The Contractor shall fill in the rates and prices for all items in the attached BoQ
- Items against which no rate or price is entered by the Contractor will not be paid for, if executed, and shall be deemed covered by the other rates and prices