Section 3a: Scope of Works, BOQs and Drawings

Connect Rajm Issa (220 Housing Units) To the Sewage Network (5034m)

1. BACKGROUND

Aiming at addressing the current needs caused by the Syrian refugee influx, UNDP has undertaken a conflict-sensitive needs assessment through the Maps of Risks and Resources (MRR) methodology with the objective of producing municipal participatory action plans for local impact projects.
The MRR facilitates the dialogue and collaboration between local stakeholders within a common process for the identification of risks, needs and available resources in order to find the proper solutions. Municipal Working Groups were formed involving local authorities, civil society from the public and private sector in order to ensure participation, inclusiveness and ownership of the community as a whole.

Rajem Issa is a village of Wadi Khaled area with 1,800 Lebanese inhabitants and 430 Syrian refugees, it is situated in Al Amayer Municipality. The population was relying on the trade across the borders, but since the Syrian crisis erupted, people try to invest in alternative economic sectors such as agriculture, commerce, and small scale entrepreneurship, competing with the refugees who started as well to establish their business in Wadi Khaled area (about 100 Syrian refugees started their business and opened their shops in Al Amayer/Rajem Issa).
As known, the municipalities are newly elected in the region during the peak of the Syrian influx toward the Lebanese borders villages, and with no financial resources and limited expertise to manage the crisis within their villages; the municipalities receive some support from the operating INGOs, as hosting communities.
UNDP has implemented several projects (educational, WASH, public services) in this context, and one of them was installing the main sewage pipeline in Al Amayer Village, leading the waste water away from the public school and high school entrance, Wadi Khaled Municipal building, the stores and houses alongside the main road. This project was considered as a phase one of future activities, to address an emergency case, leading to direct pollution at the center of the village. Since the project is operating and managed by the municipality, connecting Rajem Issa to the main network in Amayer, will solve the problem and reduce the factors of pollution at the local level.
By reinforcing capacities and governance of the wastewater actors, as well as the population awareness on health and hygiene, the project will release part of the pressure under the wastewater system, improving efficiency and reducing bad habits, and will improve hygiene and health conditions of the population, upgrading their habits.

2. OBJECTIVES

Those TORs were developed to award a qualified contracting company to undertake in Al Amayer/Rajem Issa, the construction of a Waste Water Management System (5034m long), noting that the construction works include all digging works, backfilling, installation of specified sizes of pipes and the building of manholes as per the engineer study and map, and asphalting.

3. SCOPE OF WORKS

Build waste water management network to connect Rajm Issa (220 Housing Units) To The Sewage Network (5034m).

Activities:

- Excavation and backfilling works;
- Installation of sewage pipes as per specified sizes and technical specifications provided by engineer study and map;
- Installation of Manholes as per specified sizes and technical specifications provided by engineer study and map;
- Asphalt works in the areas of excavation as per technical specifications provided by engineer study and map.
- Approval from UNDP designated engineer is needed at the initiation and ending of each phase of the project implementation.

4. DURATION OF WORKS

The contracting company is expected to commence the works immediately after Contract signature. The overall execution timeframe for the whole project is 75 working days spread over a period of 3 months, effective from contract signature date.
Extensions, if deemed necessary, can only be granted through mutual agreement between UNDP and the contracting company.
Urgent cases that could justify delays of works are mainly due to security reasons, in case of any conflicts in Al Amayer/Rajem Issa, or for extreme bad weather conditions.

In case of default on the part of the Company in carrying out an instruction of the Engineer, the Employer shall be entitled to employ and pay other companies to carry out the same and all expenses consequent thereon or incidental thereto shall be borne by the Company and shall be recoverable by the Employer and may be deducted by the Employer from any money due or which may become due.

5. STANDARD OF PERFORMANCE

The Contractor shall perform the required services and carry out his obligations under this Contract with all due diligence, efficiency and economy, in accordance with generally accepted techniques and practices used in performing such type of activities and with professional engineering and contracting standards recognised.
He shall observe sound management, and technical engineering practices, and employ appropriate advanced technologies and safe and effective equipment, machinery, materials and methods.
The Contractor shall operate and maintain the equipment and machinery involved in the implementation activities in accordance with the relevant laws, standards, regulations and legislation, as well as the requirements under the Contract, and the manuals and guidelines as provided by the manufacturers and suppliers of the equipment and machinery.

Site Safety:

The Contractor shall be responsible for implementing strict safety measures on site in view of the type of works being implemented; the Contractor shall provide and erect protection items required by site conditions or as requested by the Engineer to protect persons, onsite and offsite property, as required and as supplementary to such items that have been left in place; ascertain legal and other requirements.

The Contractor shall maintain protection in place until work is complete and danger of damage has ceased; at such time as approved by the Engineer, remove protections.

Contractor's Resources:

The Contractor shall utilise all necessary resources, manpower, machinery and equipment etc. in order to perform the required works in a proper, safe and timely manner.

The Contractor should employ, to the maximum extent possible, the necessary labourer (skilled and/or unskilled) from within the project area (a minimum of 70% of skilled/unskilled labourer should be from the region of Wadi Khaled).

6. MANAGEMENT MODALITIES

An engineer will be assigned by UNDP to directly supervise the works of the Contractor.

The engineer will be directly reporting to and seeking approval/acceptance of output from the project Manager.

The engineer will be reporting on progress of works on a weekly basis.

7. QUALIFICATION OF CONTRACTING COMPANY

Experience:

• Minimum 5 years in implementing waste water management networks and projects, with overall value above USD $200,000.00

Resources:

• Availability of a site engineer to follow up on all construction works.
  - A copy of his/her CV is required to be submitted with the offer.

• Availability of machineries (Excavator, Formworks, Construction Tools, Asphalt Paver, etc...) and workers to carry out the required works.
  - A list of the companies' machineries to be submitted with the offer.
  - In the case that the companies need to rent machineries, it should be done so from the Wadi Khaled region as there is availability of varied machineries in the area.

• Ability to store all equipment and material in a safe yard.

• Ability to operate on and implement drawings and engineer studies and maps as provided by the engineer from UNDP side for the implementation of the wastewater management network.

• Ability and commitment to employ workers from the area.
  - A minimum of 70% of skilled/unskilled labourer should be from the region of Wadi Khaled.

Timelines and Safety:

In addition to presenting an offer that shows the previously mentioned qualifications:

• The Contractor shall present a work plan including activities and timelines;

• The Contractor shall provide safety equipment to all site basis personnel:
  - Safety Helmets, Shoes, Jackets;
  - Construction Site should be closed and surrounded by a fence;
  - Signs and lights should be used.

8. ANNEXES

- BoQ Based on Engineer study indicating quantities per line of activity;
- Drawing, Maps and Details.
- Specification and Conditions of Implementation