

## Section 3a: Scope of Works

### Civil Works in Nahr el Bared Camp Adjacent Area and Beddawi North Lebanon

Project name: Towards Sustainable Solutions for Improved Living Conditions of Palestinian Refugees in Lebanon

Project ID: 00077182

Type of Contract: Civil works

#### 1. BACKGROUND

Funded by the Swiss Agency for Development and Cooperation (SDC), UNDP and UN-Habitat are implementing a joint Programme in partnership with the Lebanese – Palestinian Dialogue Committee (LPDC) under the title “Towards Sustainable Solutions for Improved Living Conditions of Palestinian refugees in Lebanon”. The project aims at enhancing living conditions in the Palestinian Gatherings and their surrounding, through improving access to basic urban services and infrastructure networks (water, sewage systems, solid waste management, electricity and roads).

The forty-two Palestinian Gatherings and camps’ Adjacent Areas in Lebanon used to house 110,000 Palestinian refugees – PRL in conditions marked by inadequate access to basic urban services. Constituting informal settlements, Palestinian Gatherings in Lebanon do not benefit from basic urban services provided by UNRWA, which under UNRWA’s mandate are provided only within the boundaries of the twelve official camps, or by municipalities. As an alternative mechanism, dwellers resort to self-help informal practices; the environmental and social implications are severe not only on the Palestinian Gatherings but also on the surrounding areas inhabited by Lebanese families and attended to by the twenty-five municipalities. Most recently, the situation in the gatherings has dramatically worsened with the arrival of some 26,000 Palestinian refugees and 4,000 Syrian refugees displaced from Syria. These refugees are living in inadequate shelters that are connected in an ad-hoc manner to the available networks, exerting additional pressure on the already poor and insufficient basic urban services.

The project aims to address shortage and gaps in basic urban services in the host gatherings, taking into consideration implications and connections with surrounding municipal domains and promoting enhanced coordination between local actors. In this context, UNDP will carry out civil works in Nahr el Bared Camp Adjacent Area and Beddawi in North Lebanon. Increased pressure has been exerted in these areas mainly on the sewage networks due to the accommodation of thousands of Palestinian and Syrian refugees from Syria, leading to environmental problems and health risks. Civil works in the two areas will mainly consist of upgrading the sewage networks followed by the paving of the roads.

#### 2. OBJECTIVES

The overall objective is to carry out civil works to enhance access to basic urban services and infrastructure in Nahr el Bared Camp (NBC) Adjacent Area (AA) and Beddawi in North Lebanon. The project will benefit Palestinian as well as Lebanese families living in the two Adjacent Areas in addition to Palestinian and Syrian refugee households who were displaced from Syria following the Syrian crisis.

The civil works will aim to:

- Upgrade sewage network and storm water networks and pave the "Corniche" road in NBC AA;
- Upgrade sewage network and pave the internal "Kordi" road in Beddawi;

### 3. SCOPE OF WORKS and ACTIVITIES

1. Installing new sewage and storm water lines with a total length of 515 meters along the "Corniche" road and paving the road afterwards in NBC AA;
2. Installing a new sewage line with a total length of 65 meters along the "Kordi" road and paving the road afterwards in Beddawi around the camp;

#### Activities:

The following activities will be carried out:

#### Installing new sewage and storm water networks and asphalt along "Corniche" road in NBC AA:

- Preparation works including clearing, grubbing and excavations;
- Installing of 85m main sewage line (UPVC sewer pipes 16 inch diameter);
- Installing of 430m storm water line (UPVC sewer pipes 16 inch diameter);
- Installing 34 sewage manholes 80 x 80 cm with a minimum capacity of 25 tons;
- Applying backfilling on water pipes for protection;
- Laying out backfilling material for paving (a mixture of sand, gravel and coarse aggregate with minimum thickness of 20 cm);
- Asphaltting the road with a total width of 4m and minimum thickness of 5 cm.

#### Installing a new sewage network and asphalt along "Kordi" road in Beddawi:

- Preparation works including clearing, grubbing and excavations;
- Installing of 65m main sewage line (UPVC sewer pipes 8 inch diameter);
- Installing 4 sewage manholes 80 x 80 cm with a minimum capacity of 25 tons;
- Applying backfilling on water pipes for protection;
- Laying out backfilling material for paving (a mixture of sand, gravel and coarse aggregate with minimum thickness of 15 cm);
- Asphaltting the road with a total width of 4m and minimum thickness of 5 cm.

### 4. DURATION OF WORKS

The Start date for carrying out the works is immediate after Contract signature. The overall term of execution of the works is 3 months, effective from contract signature date. Extensions, if deemed necessary, can only be granted through mutual agreement between the parties. Urgent cases that could justify delays of works are mainly due to security reasons, in case of any deteriorated security situation or conflicts in NBC Adjacent Areas, Beddawi or Tripoli area and extreme 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, and 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 supervising 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.

**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.

**6. MANAGEMENT MODALITIES**

A project engineer will be directly supervising the works of the company on behalf of UNDP. 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 weekly.

**7. COMPANY REQUIRED QUALIFICATIONS**

**Experience:**

- Minimum 8 years of relevant experience
- Relevant experience in executing upgrading and/or infrastructure projects in North Lebanon and for Palestinian and refugee communities
- Previous cooperation with international or national NGOs or organizations in similar fields is a plus

**Resources:**

- Availability of machineries and workers to carry out works
- Ability to employ workers from the area

In addition to presenting an offer that shows the previously mentioned qualifications, the company shall present a work plan including activities and time lines.

**8. ANNEXES**

- Annex 1 – Detailed BOQs
- Annex 2 – Technical Drawings

