

Annex A: Scope of Work (SOW) and Architectural Drawings

Construction of Septic Tanks and Cesspools in Gawilan camp, Bardarash District, Duhok governorate, Iraq

Background general description:

Opened since 2013, Gawilan Refugee Camp currently hosts some 9,100 refugees (as of June 2021). From its start to now UNHCR continued supporting care and maintenance to WASH in the camp.

The provided solution for the wastewater in the camp is to have two separate systems for (black and grey waste waters), grey water is discharged mainly from (showers, handwashing basins, sinks... etc.) to the open channels attached to the roads in the camp. while the black water is piped from latrines to septic tanks and having an on-site treatment for black water by having septic tanks and cesspools. Septic tanks and cesspools are constructed at the end of each plot to allow discharge by gravity. Due to the upgrading the shelters from temporary shelters to permanent shelters many of the septic tanks and cesspools are involved in the shelter's boundaries, or even in some location's rooms constructed on them.

During the recent assessments it was observed that many septic tanks are leaking and over flooding, in which producing health risk on the refugee community living in the camp. and also due to lack of infiltration in the soil in some locations the number of emptying the tanks is increases. Therefore, UNHCR is planning to construct 50 septic tanks and 55 cesspools.

The project is located at the Gawilan Refugee camp, in Bardarash district, in the Kurdistan Region of Iraq and Syria. With GPS coordinates (36°20'19.914"N 43°37'1.4484"E).

- UNHCR is planning to implement the project with the below items:
 - 1- Excavation of trenches, installation of pipes (Ø200 mm, mainly).
 - 2- Construction of the septic tanks of different sizes, with reinforced concrete.
 - 3- Construction of the cesspools to be connected to the septic tanks in different locations of the camp.
 - 4- Construction of main manholes for the purpose of connecting the sewer pipe.
 - 5- Construction of the connection points/manholes, to connect old pipes to the new sewer pipes.
 - 6- Rehabilitation and maintenance to the ABR system and the attached garden.
- The work includes provision of materials and labor to complete the specified projects under the direct supervision UNHCR Engineers.
- The quality of the work and the materials supplied by the contractor will be inspected by UNHCR's Partner, UNHCR engineers and the local government engineers. The work must be within engineering specifications/standards and time limit.
- The Contractor is required to complete works as per the Bill of Quantities, and Technical Specifications within 120 calendar days from the site handover date.

Schedule of Requirement

No	Item/s to be Supplied	Description/ Specifications of Goods	Related Services	Contract Duration

1	Construction of Septic Tanks and Cesspools in Gawilan camp, Bardarash District, Duhok governorate, Iraq	As per BOQ	As per BOQ	120 calendar days
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Site Visit: Mandatory.