

T/2464915/2023

CONSULTANCY SERVICES FOR CONSTRUCTION SUPERVISION OF: a. Contract B7B – Bausher Network – Sewer Network – Bausher and Bausher Heights & b. Contract B7E – Bausher Network – Sewer Network– South Azaibah

The Scope of work is about the provision of construction supervision services and contract administration for the sewer network project in Bausher. The scopes of the construction contractors to be supervised under this contract are:

1. Contract B7B- Bausher Network– Sewer Network– Bausher and Bausher Heights:

Scope of work for Contract B7B shall include but is not limited to the construction (Supply, Installation & Commissioning) of the following:

- Gravity sewer network/s (lateral plus trunk), diameters ranging from 200mm to 1000 mm with an approximate length of 68.0 km.
- Gravity sewer manholes (lateral plus trunk) with approximately 1100 units.
- House connection and rider sewers ranging in diameter from 100mm to 200mm with an approximate length of 65.00 km
- Property chambers, House connection chambers, and Gravity sewer manholes (for Rider Lines) with approximately 6850 units in total.
- The contractor shall design and construct the house connections for all plots located in the project area (3544 plots).
- Construction of road crossing (open cut & Trenchless method) and complete all necessary works.
- The contractor shall ensure that manholes constructed inside the Wadi or in its proximity are protected and designed to withstand the following:
 1. Structural forces resulted from Wadi flows, considering reasonable storm return period.
 2. Scouring effects.
 3. Instabilities caused by lateral forces (impact of hydrodynamics), or forces due to turbulence and sediment transport.
- The contractor shall connect the drain pipe of the washout valve chamber to the existing sewer manhole or newly constructed drain sump associated with pipes, fittings, and all required to complete the work as per OWWSC standards.
- The contractor shall provide pipe anchoring or concrete encasement when the slope exceeds 10.0% for the house connections and rider lines as per OWWSC standards.

2. Contract B7E- Bausher Network– Sewer Network– South Azaibah:

Scope of work for Contract B7E shall include but not limited to the construction (Supply, Installation & Commissioning) of the following:

- Gravity sewer network/s (lateral & trunk) ranging in diameter from 200mm to 700 mm with an approximate length of 24.0 km
- Gravity sewer manholes (lateral & trunk) with approximately 311 No in total.
- House connection and rider sewers ranging in diameter from 75mm to 190mm with an approximate length of 25.0 km.
- Property chambers, House connection chambers and Gravity sewer manholes (for Rider Lines) with approximately a total of 1714 No.
- The contractor shall design and construct the house connections for all plots located in the project area (722 plots).
- Construction of Roads Crossing (open cut & Trenchless method) and complete with all necessary works.
- Connection with the existing network either by connecting to the existing manhole (3 No.) or by constructing a new manhole on the existing line (5 No.).
- Connection with existing Manhole through the Existing Stub out Approx. (24 No.)
- The contractor shall ensure that manholes constructed inside the Wadi or in its proximity are protected and designed to withstand the following:
 4. Structural forces resulted from Wadi flows, considering reasonable storm return period.
 5. Scouring effects.
 6. Instabilities caused by lateral forces (impact of hydrodynamics), or forces due to turbulence and sediment transport.