

CONSTRUCTION OF WATER DISTRIBUTION NETWORKS TO AL BATINAH COMPENSATED HOUSES BUILT BY MINISTRY OF HOUSING

(NORTH AL BATINAH GOVERNORATE)

SCOPE OF WORK

1. GENERAL

The objective of this Project is to provide distribution networks in Construction of Water Distribution Networks to Al Batinah Compensated Houses Built by Ministry of Housing areas as shown in the Tender Drawings.

2. SCOPE OF WORKS

The main Scope of Work for Contractor shall comprise the following:

1. Construction of main water distribution network from HDPE pipes 315 mm, 225 mm, 160 mm in diameter;
2. Construction of secondary water distribution network from HDPE pipes ,110 mm, and 63 mm in diameter.
3. Construction of house connections;
4. Construction / installation of fire hydrants, pillar type, DN 150 mm & DN 100 mm;
5. Construction / installation of isolation valves, air valves and washouts;
6. Construction of socket branch Tee and double socket bends;
7. Construction of pipeline marker tab.

More details are provided in the Tender Drawings.

The Contractor shall note that scope of work includes new water network within the project area as shown on the Tender Drawings.

3. INVESTIGATION WORKS AND PREPARATION OF SHOP DRAWINGS

The Contractor shall carry out the site investigation (soil investigation and site survey) to give sufficient information related to the soil conditions in the vicinity of the work, existing underground services and topography of terrain.

The investigation works shall comprise:

- Topographical survey;

Topographical survey will be done for distribution networks.

The Contractor shall produce all necessary shop-drawings and details, data sheets, specifications, QA/QC procedures, method statements, operating and maintenance manuals, and all the other documents which are required for detailed engineering, procurement and supply of equipment and materials, installation, pre-commissioning, commissioning, start-up and reliability testing.

4. SITE WORKS

The Contractor shall familiarize and satisfy himself with the site's conditions and take fully into account any necessary earth cutting and/or filling with imported approved filling, excavations, leveling, and compaction up to the required levels.

The Contractor shall judge for himself the nature of the ground and shall be fully responsible for ascertaining all necessary information concerning permanent water table, periods of rainfall, flooding of the site and all matters affecting the excavations and foundation work.

The Contractor shall carry out before commencement of work a site survey, the site leveling and preparation including cut, fill, compaction, grading and leveling.

All levels shall be related to an agreed datum. The site survey plan shall be prepared showing the survey results, the levels of the new works. Copies of this plan shall be sent to the Engineer for approval. Based on this record, the Engineer shall decide the most suitable finished site and floor levels.

The Contractor shall clear all areas of the site where required. This work shall consist of the complete removal and disposal of all rubbish, trees, stumps, bushes and other growing vegetation which are not to be kept, or the remains thereof, found within the Site limits. All debris is to be removed to an approved location.

The Contractor shall check the compaction of the ground as well as suitability of existing soil in various region of his work in various areas. If proper compaction is not available, the Contractor will be responsible, under his scope for necessary compaction, including replacement of unsuitable materials.

All required works shall be performed in accordance with the relevant Standards and Specification.