

**Project Name: CONSTRUCTION OF WATER DISTRIBUTION NETWORKS FOR WILAYAT MANAH (DESIGN, BUILD & FINANCE)**

**Tender Number: 6/2022**

**BACKGROUND:**

The Ad Dakhiliyah Water Supply System supplies potable water to the Governorate of Ad Dakhiliyah, comprising the villages and urban areas. The Oman Water and Wastewater Services Company proposed to extend coverage of piped water to Wilayat of Manah. Therefore, a new system is proposed including reservoir, transmission line and distribution networks

**SUMMARY OF SCOPE FOR WORK:**

- Connection to an existing main transmission line which receives water from an existing transmission pipeline Ad Dakhliyah.
- Main connection pipeline from Northern Manah to supply Southern Manah, through the Al Ma'ara area.
- A new or extension to existing distribution networks to service the new areas
- Electrical power supply system (external and internal) for the new Reservoir;
- Conduit and fiber optic cable along new water transmission pipelines;
- Isolation valve, air valve and washout chambers along the new water transmission pipelines;
- Isolation valve, air valve, washout, district flow meter, pressure monitoring point and pressure reducing valve chambers, fire hydrants, road crossings, wadi crossings etc. for distribution networks;
- House connections for existing houses and houses under construction;
- Design, construction, testing and commissioning of the instrumentation and SCADA system, including security systems, for new reservoirs;
- Interfacing/ provision of new or upgrading to installed SCADA system with the Oman Water & Wastewater Services Company existing SCADA system. Provision of connection DISCO to Oman Water & Wastewater Services Company compound and provision of electrical equipment required.

## OMAN WATER & WASTEWATER SERVICES COMPANY CORPORATE MANAGEMENT SYSTEM

### Brief scope of work

- Engineering, procurement, installation, testing and commissioning of new electro-chlorination systems along with all associated works where is required;
- Replace the existing gas chlorination disinfection system at existing Manah elevated service reservoirs with new electro-chlorination system.
- Provide Water Quality analysers cabinets at reservoir locations and around the distribution networks to monitor the water quality according to Oman Water & Wastewater Services Company standards.

#### **Time for Completion of the Works**

The Project Timeline is :

**Mobilisation** – Sixty (60) days from the Commencement Date

**Milestone 1** – Nine hundred and twelve (912) days for the successful completion of commissioning tests from end of last day of mobilisation period

**Milestone 2** – One thousand and two (1002) days for the successful completion of the trial operation period (of 90 days from end of last day of mobilisation period