

Contract No:	MUK-CA-2011-JS-010 / # 1140	Location:	Mukhaizna
Manpower at Peak:	260	Project Finish:	Dec - 2015
Project Start:	Apr - 14	Material Supplied:	By Client
Pipe Work:	18.3 Km		
No. of Equipment Erected:	93		



Mukhaizna Water Treatment Plant (WTP) - Lot 4

Occidental Mukhaizna LLC. MUK-CA-2011-JS-010



During its service to the Oman oil and gas industry for over five decades, The Oman Construction Company (TOCO) has placed itself as a symbol of 'Operational Excellence' in its chosen areas of business. Since 1965, the company has been a 'Trusted Partner' of major national and international oil and gas asset owners and operators across the Sultanate and the rest of the GCC. During this time TOCO has developed an un-paralleled level of expertise in pipeline and construction services. TOCO is part of Oman's oil and gas legacy with several 'Firsts' to its credit. The list includes construction of the first major cross country pipeline, flow line, production station, tank farm, overhead power line. In 1967, TOCO moved the first rig at Fahud.

The objective of the Mukhaizna Water Treatment Plant (WTP) Lot 4 project was to install a new Produced Water Treatment Plant to augment the shortfall of Boiler Feed Water (BFW). The production capacity of the WTP-Lot 4 Water Treatment Plant is 120,000 bwpd of new soft water. The ultimate project objective is to increase the BFW generation to augment and maintain the oil production in Mukhaizna to 150,000 BOPD.

The new facilities which were installed by TOCO as part of WTP Lot-4 project are as below:

S. No.	ITEM DESCRIPTION
1	Pumps
2	Filters
3	Softners
4	Air Coolers
5	Vessels & Tanks
6	Skids
7	Filter Press
8	Mixers
9	Screw Feeders
10	Oil Coolers
11	Scrubber Unit
12	Inter Connecting Pipe Work & Support

TOCO's scope included equipment installation, piping erection, scaffolding and insulation.

S. No.	MATERIAL DESCRIPTION	UOM	WORK PACK MTO TOTAL
1	PIPE INSTALLATION	MTRS. VARIOUS SIZES	18,253
2	VALVE INSTALLATION	NOS. VARIOUS SIZES	1,004
3	ISOMETRIC INSTALLED	NOS. VARIOUS SIZES	Over ~4000 spools from 1000
4	EQUIPMENT INSTALLED	NOS. VARIOUS SIZES	93

The Challenge

The key challenge for this project was managing the interfaces between several other contractors employed by the client in this project. The QHSE standards were stringent and rigorously applied as this project was close to live operating facilities.

