

Tata Chemicals Mithapur plant turns to SUEZ to solve water scarcity issue and maintain production

challenge

Tata Chemicals Mithapur Plant located in Mithapur, Gujarat, India manufactures soda ash, edible salt, and marine chemicals like Bromine, HCl, and others. It is the oldest Tata Chemicals facility.

The Indian Government promised a supply of fresh water to run their plant. When the government was unable to provide the fresh water promised, Tata Chemicals faced shutting down production or finding an alternative source for their water needs. Tata Chemicals turned to SUEZ for the solution.

solution

SUEZ evaluated the options and recommended a flexible Outsourced Water Services Agreement where SUEZ would provide fresh water from the only available water source – seawater.

The solution consists of seawater reverse osmosis (SWRO) system for the production water needs and an additional brackish water reverse osmosis (BWRO) system for the demineralization plant. (See Figure 1.)

The plant produces a total capacity of 246 m³/h (1162 gpm). The SWRO produces 170 m³/h (748 gpm) with <300 mg/l. The BWRO produces 76 m³/h (335 gpm) with <20 mg/l. The system's capacity can be increased or decreased based on the quantity of water needed and on the availability of an alternate fresh water source.



Figure 1: Seawater Reverse Osmosis Mobile Container

results

With the Outsourced Water Services Agreement, SUEZ is able to provide a solution that allows Tata Chemicals to maintain production without having to invest in capital equipment. Tata Chemicals can now focus on manufacturing their products instead of worrying about their water source.

SUEZ's outsourced water projects provide customers with little or no capital expenditure, reduced operating costs and improved technical performance. If you would like information on how a SUEZ Outsourced Water Services Agreement can provide you with the same, please contact your SUEZ representative or visit www.suezwatertechnologies.com.

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

*Trademark of SUEZ; may be registered in one or more countries.

©2017 SUEZ. All rights reserved.