

Textile Industry



The Challenge

Welspun India Ltd, part of the \$2.3-billion Welspun Group, is one of the world's largest home textile manufacturers, with a distribution network in more than 50 countries. Welspun's facility is located at Anjar, Gujarat which is a highly arid region where fresh water is scarce. Acute water scarcity in the region (Kutch) with no rainfall coupled with ambitious expansion plans needing a secure source of fresh water.

The Solutions

Ion Exchange (India) Limited (IEI) & Welspun made an unsolicited bid to the Government of Gujarat for a proposal to treat the sewage from the nearby villages of Anjar and Gandhidham for the treated water to be reused at their facility to meet their substantial water needs. The Gujarat government considered this proposal & based on a Swiss challenge, the contract was awarded to IEI. The project was executed on a Public Private Partnership (PPP) basis such that Welspun funded the project & IEI was appointed as the EPC contractor for the design, fabrication & supply for the systems required in the project. Ion Exchange partnered with Welspun to design, erect and commission a sewage treatment and recycle plant along with operation & maintenance. The 30 MLD sewage treatment plant is treating sewage generated from two cities – Anjar and Adipur, supplied by their respective local municipalities.

Results

This project has reduced the burden on local municipal authorities to treat sewage generated by communities in the water scarce Kutch region. The sewage generated from two cities Anjar & Adipur is treated and reused as an alternate source of water at the Welspun facility which would otherwise be discharged and pollute the Nakti Creek, Gulf of Kutch. It is also a unique public-private partnership model for treating and reusing municipal sewage by the industry.