



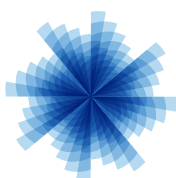
GUJARAT, ESSAR PROJECT

Reliable, cost-effective and eco-friendly desalination

Among the largest single-location refineries in the world, the Essar Oil Refinery recognized the need to guarantee the quality of its boiler feed and drinking water. Essar chose to partner with IDE and installed two highly energy-efficient Multi-Effect Distillation (MED) seawater desalination units. As a sign of a productive partnership, two further larger units were ordered in 2008, more than tripling the capacity. Essar and IDE's desalination partnership proves that eco-awareness, operational innovation and cost savings can go hand in hand.

Highlights

- **Technological leadership**
 - Low energy consumption
 - Low temperature process for high safety and low maintenance
 - Minimal pretreatment required
 - Continuous operation with high reliability > 95%
- **Robust, customized design** - optimized for customer needs
- **Low operation and maintenance costs**



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Overview

- **Capacity:** 65,000 m³/day
- **Technology:** Multi-Effect Distillation (MED)
- **Project Type:** Engineering-Procurement-Construction (EPC)
- **Location:** Jamnagar, Gujarat, India
- **Footprint:** 37.5m x 65m (2 units), 50m x150m (2 units)
- **Commission Date:** 2006, 2012

About IDE

IDE is a world leader in water treatment solutions. We specialize in the development, engineering, construction and operation of some of the world's largest and most advanced thermal and membrane desalination and industrial water treatment plants.

IDE partners with a wide range of customers - municipalities, oil & gas, mining, refineries and power stations - on all aspects of water projects, and delivers approximately 3 million m³/day of high quality water worldwide.

IDE listens first and then brings technological leadership, proven reliability and consistent delivery to all our customers. Our highly experienced and dedicated team knows that strong partnerships lead to success and growth.

