

Canadian Technology in Action

- Indocan Engineering Systems Pvt. Ltd. (Pune, Maharashtra), has had a successful joint venture with Peekay Holdings Ltd. (Brantford, Ontario) since 1983. Indocan makes large water purification systems for heavy industry clients such as utilities, refineries, steel mills etc. It manufactures the systems in India and imports some parts and expertise from Canada. It has had success in selling influent systems, and has sold some effluent systems. Recently the company signed a technical collaboration/licensing agreement with M/S Nippon Rensui Co., a subsidiary of Mitsubishi Chemical Industries.
- ADI Systems Inc. (Fredericton, New Brunswick) entered into a technical collaboration agreement with UEM (India) Private Limited in 1985 for ADI's anaerobic treatment with biogas generation. Out of the over 25 anaerobic systems executed by UEM with technical input from ADI, the most notable is the McDowell Group, one of the largest distillers in India, that has adopted ADI anaerobic technology (ADI-BVFÆ) for several of its distilleries. Also, Reliance Industries will be using an ADI-Hybrid technology for anaerobic treatment of its plant wastewater in Hazira.

5.3.2 Water and Wastewater Infrastructure

Market Overview and Current Activity

The market for water and sewage infrastructure in India is staggering. More than 300 million people have no access to safe drinking water, and more than 700 million live without proper sanitation. In major urban centres, less than 5 percent of total wastewater generated is collected and less than 25 percent is treated. Only 21 of India's 3,245 larger towns and cities have partial or full sewerage and sewage treatment facilities.

It is estimated that \$100 billion will be needed to install standard wastewater collection and treatment infrastructure in Indian cities. To supply clean water an additional \$22 billion would have to be added to the bill. Given the dimensions of this challenge and other pressing infrastructure demands, particularly in the transportation sector, demand for water and wastewater infrastructures and services will grow gradually in the short term. However, the commitments of IFIs to clean water, sewers and wastewater treatment infrastructure is creating an attractive market for Canadian water companies.