

# CETPs are a big boon: Ion Exchange

**I**on Exchange has always focused on expansion in order to cater to a wider category. Today we are regarded as Asia's largest environment solutions provider; we have a strong global presence with offices spread across Africa, Canada, Middle East, South East Asia and the US, and are among just few companies worldwide with the entire range of technologies, processes, products and services, enabling integrated solutions for every sector – industrial, Apioneer of water treatment in India with a legacy spanning over five decades, Ion Exchange is recognised internationally as a premier company in water and environment management. The company is among the largest environment solutions providers, one of very few companies worldwide with a complete range of technologies, products and services.

Ion Exchange's range of products includes water, waste water treatment and recycling plants using various physico-chemical processes for settling, clarification,



**JP Pathare**

filtration, disinfection, membranes and ion exchange technology, ion exchange resins; polymers and polyelectrolyte's for water and non-water processes; boiler cooling water and fireside treatment chemicals. The company also offers technical services such as project management at site, design, erection and commissioning, operation & maintenance of plant and supply of spares.

In an interview with the Editor of *ITJ*, **JP Pathare, Sr VP – International Division, Ion Exchange (India)** reveals its contributions in effluent treatment for the textile industry.

***What are the contributions of Ion Exchange in effluent treatment for the textile industry -- its systems and their advantages?***

Ion Exchange has been promoting the use of efficient technologies that can treat wastewater effectively and also recover water as well as salt/valuable by-products in some cases to improve the economic viability of such projects.

We provide innovative treatment schemes

incorporating state-of-the-art biological treatment systems in combination with membrane systems to tackle the two major problems facing the textile industry concerning waste water management:

- Reduction of waste to a concentrated form to facilitate disposal either through mechanical evaporators or solar drying by maximising recovery. Brine from the second RO may also be considered for use in the dye bath for make-up.
- Reduction in quantity of solid waste generated by the treatment process.

### ***Can you elaborate more on your facility expansion in Bahrain?***

Well, apart from improving technologically, Ion Exchange has always focused on expansion in order to cater to a wider category. Today we are regarded as Asia's largest environment solutions provider; we have a strong global presence with offices spread across Africa, Canada, Middle East, South East Asia and the US, and are among just few companies worldwide with the entire range of technologies, processes, products and services, enabling integrated solutions for every sector – industrial, institutional, commercial, infrastructure, municipal, homes and communities, urban and rural.

Our new chemical blending facility in Bahrain will enable to cater to the increasing GCC market demand. It will also serve as a chemical export hub for the GCC region and North Arab states, creating around 30 jobs over the course of the next three years.

### ***How has Bahrain Economic Development Board assisted in setting up Ion Exchange chemical blending facility in Bahrain?***

The Bahrain Economic Development Board (EDB) is a dynamic public agency, which provides advice and practical help to companies establishing operations in Bahrain, Bahrain EDB have assisted Ion Exchange's set-up and business requirements in order to ensure our company's successful inception.

### ***What is your take on zero effluent discharge (ZED) and zero liquid discharge (ZLD)? What is India's position?***

The demand for water and waste water treatment solutions has increased. Customers are more open to



embrace new technologies, although they are a bit expensive, but this is confined to mainly large and medium scale companies who have invested in setting up captive effluent treatment plants.

Now, companies are setting up goals for sustainable development through a cleaner environment, reducing pollution, producing less waste by adopting advanced technologies and conserving the environment. Many MNCs and major Indian groups have set up internal goals. This is the reason many companies are adopting recycling technologies. Those who are environmentally conscious are opting for zero liquid discharge (ZLD) technology, though it is a bit expensive as zero waste means that waste at the end has to be evaporated thermally or by solar. We have commissioned five major projects so far; one outside India and the rest in India, and a couple more are currently under execution.

### ***Tell us how important and urgent is it for the textile industry to go for effluent treatment?***

To begin with, awareness is very high, but the concern lies in implementation. Many small and medium sized industries in the country still do not have fully functioning treatment units and continue to discharge untreated or partially treated effluents. In most of these cases, common effluent treatment plants (CETPs) are a big boon.

However, the main issue which needs to be sorted out is the economic viability of technological solutions for textile wastewater treatment that can ensure safe disposal while at the same time ensuring that the competitiveness of the industry is not affected.

ITJ



Weblink: <http://www.financialmail.co.za/fmfox/2016/07/15/accentuate-looking-into-water>

Accentuate on the move again

## **Accentuate: Looking into water**

BY MARC HASENFUSS, 15 JULY 2016, 03:52

After an extended period in corporate limbo, flooring and infrastructure services specialist Accentuate is on the move again.

Last week the company raised R7.5m by issuing 10m shares at 75c/share. While the capital raised will be used to service working capital requirements, there are signs Accentuate is keen to pursue new strategic opportunities.

This week Ion Exchange Safic, a joint venture between Accentuate and Ion Exchange India, clinched an agreement with construction giant Stefanutti Stocks to capitalise on opportunities in the local water sector.

Ion Exchange India is one of the largest water purification companies in the world.

As per the agreement, Ion Exchange Safic will handle the process, design, engineering and procurement of process equipment and Stefanutti Stocks will be responsible for the execution and construction and civil works required on the water projects.

Accentuate CEO Fred Platt says water is a critical asset for SA. "If not managed effectively, [shortages] will have dire consequences for the country." While Accentuate's operational focus remains its flooring business, its water treatment endeavours are a potential X-factor.



# THE WATER DIGEST WATER AWARDS 2015-2016



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Mr. Rajesh Sharma,  
Chairman & Managing Director,  
Ion Exchange (India) Limited

“This is a very encouraging and inspiring achievement for us. We would like to thank our customers and partners who have helped in making this possible. Water is one of the most precious resources and Ion Exchange, for more than 50 years, has been managing it judiciously for industry, homes and communities. We are committed to contribute towards betterment of society by not only providing solutions for safe drinking water but also to develop alternate sources of water. Winning the Best Water Company award puts a great responsibility on us to carry forward our rich heritage and provide cost-effective solutions to every sector of society”.



**MADE IN INDIA-BEST WATER COMPANY (PVT. SECTOR)**  
Mr. Manish Gandhi – Associate Vice President, Ion Exchange India Limited receiving the award.



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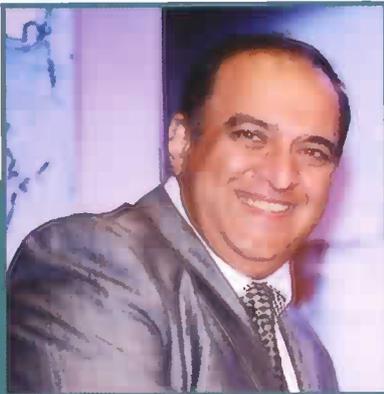
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**Mr. Sanjay Sapra,**  
Managing Director & CEO,  
Aquanomics Systems Limited

I thank Water Digest team on completing 10 successful years of Water Digest Awards and for their efforts in recognising the contributions of organisations and individuals in the water sector. We feel humbled and responsible for being rewarded as the “Best Water Treatment System Components-Domestic” for 10<sup>th</sup> time in a row.

My endeavour has always been to introduce innovative and water friendly technologies/products which can meet the present need of the WATER INDUSTRY.

I take pride in providing sound and sustainable solutions and be responsible towards the invaluable resource i.e. WATER and keep the social objectives live along with your commercial objectives in the WATER BUSINESS.



**BEST WATER TREATMENT SYSTEM COMPONENTS-DOMESTIC**  
*Mr. Sanjay Sapra-Managing Director & CEO, Aquanomics Systems Limited receiving the award.*

2 *Everything About Water - June 2016*  
**Ion Exchange expands Bahrain business to meet growing demand**



**India:** Ion Exchange, one of India's largest environment solutions providers, announced the launch of a new chemical blending facility in Bahrain. The company is expanding its facility in Bahrain in order to improve the products and services it offers the wider GCC region, a market currently worth around USD 1.5 trillion. The new facility will serve as the chemical export hub for the GCC region and North Arab states, creating around 30 jobs over the course of the next three years.



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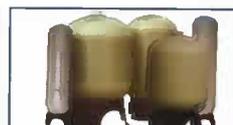
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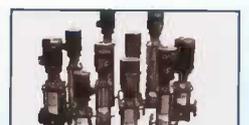
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