



STP facility at Navi Mumbai Municipal Corporation

Ion Exchange showcases state-of-the-art STP facility

A global major in the water sector, Ion Exchange recently showcased their STP water recycling pilot project incorporating cutting edge membrane technology developed by VITO NV (Belgium), at sewage treatment facility of the Navi Mumbai Municipal Corporation, for visiting dignitary **Pieter De Crem, Secretary of State for Foreign Trade, Belgium.**

Dr. Ramaswami N, Municipal Commissioner, Navi Mumbai Municipal Corporation and Ajay Popat, President, Ion Exchange (India) Ltd., welcomed Pieter De Crem, Secretary of State for Foreign Trade, Belgium, at the recently commissioned technologically advanced Sewage Treatment and Recycle Plant. The plant has been set up by Ion Exchange (India) Ltd. in collaboration with Europe's leading research and technology institute VITO NV, Belgium at the sewage treatment facility of the Navi Mumbai Municipal Corporation. The main purpose of the visit was to view the state-of-the-art facility and understand the treatment process involved in producing good quality water which is being used as an alternate source of water at the Corporation's premises. Installed as a pilot plant in India, the facility uses VITO's proprietary IPC MBR Membrane technology.

The plant has a capacity of 100 m³/d and offers significant advantages as compared to conventional MBR Membranes in performance and lifecycle costs of the recycle system. The treated water is clear, as good as fresh water and can be used by industries as a substitute for municipal water thereby meeting a dual objective of sewage treatment and generating an alternate source of water

using sewage.

Speaking on the occasion, **Ajay Popat, President, Ion Exchange (India) Ltd.** said, "We understand the importance of waste treatment and have consistently worked towards providing solutions that are best in the industry. Our partnership with VITO has enabled us to get a highly competitive and modular technology in the sewage treatment space. The pilot MBR technology plant was set up in November 2016 and the result has been very good. The lower sludge production, very stable operations, fully automated plant and lower operating costs is what sets this sewage treatment plant apart from the rest.

The technology used has helped reduce the cost per unit of treated water even further so as to make it affordable for use by industries, institutions, etc. as an alternate source of water. We have very successfully and swiftly managed to meet the requirements of Navi Mumbai Municipal Corporation by treating sewage and making it suitable for industrial use. Due to its modular design, the technology can be installed in housing complexes, hotels, institutions for similar purposes."



"Within the smart city approach, waste water treatment is essential"

Pieter De Crem, Secretary of State for Foreign Trade, Belgium.

Mohan B. Dagaonkar, City Engineer, Navi Mumbai Municipal Corporation and his team have been involved in this project aimed at infusing state-of-the-art technology at an affordable cost to recycle treated sewage. Present on the occasion, Dirk Fransaer, Managing Director, VITO NV, acknowledged his gratitude to the Navi Mumbai Municipal Corporation for providing them with an opportunity to demonstrate the technology developed by VITO along with its Indian partner Ion Exchange. He further mentioned, as another step towards sustainability, VITO NV and Ion Exchange (India) Ltd together with Europem NV will soon be installing a demonstration project to convert organic kitchen waste generated by homes, hotels, etc. along with sludge from sewage treatment plants into energy. Like the MBR system, this technology will be modular and will generate clean water, power and organic fertilizer. ◆