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PRESS COVERAGE

ION EXCHANGE SHOWCASES

STATE-OF-THE-ART

SEWAGE TREATMENT PLANT

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

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Indo-Belgium initiative supports NMMC's objective to convert sewage into industrial grade water

By Dinesh Kamath

NAVI MUMBAI: Dr. Ramaswami N, Municipal Commissioner, Navi Mumbai Municipal Corporation and Mr. Ajay Popat, President, Ion Exchange (India) Ltd. welcomed Mr. 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 fa-

Cont. on pg. 4

Indo-Belgium...

Cont. from pg. 1

cility 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.

Mr. Ajay Popat, President, Ion Exchange, 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"

Mr. 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.

Mr. Dirk Fransaer, Managing Director, VITO NV present on the occasion 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) Limited together with an European partner 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.

Dr. Ramaswami N, Municipal Commissioner, Navi Mumbai Municipal Corporation along with Mr. Pieter De Crem, Belgium's Secretary of State for Foreign Trade visit Ion Exchange (India) Limited's advanced sewage treatment and recycle plant using VITO NV's IPC MBR Membrane technology at Navi Mumbai Municipal Corporation's sewage treatment facility

About Ion Exchange (India) Limited

A pioneer of water treatment in India with a legacy spanning over five decades, Ion Exchange (India) Limited is recognised internationally as a premier company in water and environment management. Ion Exchange is among the largest environment solutions providers, one of very few companies worldwide with a complete range of technologies, products and comprehensive 24/7 service support. This enables us to offer total solutions for every sector of society – industries, homes & communities.

With sales, production and service footprints across the globe, Ion Exchange serves its markets with a sustained focus on customer satisfaction, technological innovation and dedicated service. Their capability to deliver comprehensive solutions with complete technical support makes them a partner to depend on.

Specialists in water and waste water, Ion Exchange offers total water and environment management solutions for all sectors - infrastructure, industry, institutions, municipal, homes and communities, urban and rural.

360° environment management adds value across the entire circuit - from influent water through potable and industrial process water to effluent/sewage treatment and water recycle for zero discharge and waste to energy projects for solid waste management.

Manufacturer of world class ion exchange resins for water and non-water speciality applications, membranes, water treatment chemicals and speciality process chemicals, in ISO 9001, 14001 and OHSAS 18001 certified facilities.

Design and supply of water, process liquid, waste water treatment, water recycle plants - packaged, pre-engineered and custom-built, on turnkey, BOT and EPC basis.

For more information, kindly visit www.ionindia.com

About VITO NV

VITO NV is a leading European independent research and technology organisation in the areas of clean tech and sustainable development, elaborating solutions for the large societal challenges of today.

VITO provides innovative and high-quality solutions, whereby large and small companies can gain a competitive advantage, and advises industry and governments on determining their policy for the future. VITO has 750 highly-qualified employees who work on international projects all around the world. VITO's headquarter is located in Mol, Belgium, and the company has a subsidiary in China.

For more information visit https://vito.be/en

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Lokdrushti
Edition	Navi Mumbai
Headline	Indo-Belgium initiative to convert city's sewage into industrial grade water
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लोकदृष्टी

शुक्रवार, दि. २८ एप्रिल - २०१७

पालिकेच्या अत्याधुनिक मलप्रक्रिया केंद्राची 'बेल्जियम'मधील अभ्यास मंडळाची पाहणी

नवी मुंबई (प्रतिनिधी)- नवी मुंबई महानगरपालिकेच्या सानपाडा सेक्टर -२०, येथील सी-टेक एस.बी.आर. या अत्याधुनिक तंत्रज्ञानावर आधारित असलेल्या मलप्रक्रिया केंद्राला काल बेल्जीयम देशातील ३० प्रतिनिधींच्या एका अभ्यास मंडळाने नवी मुंबई महापालिका आयुक्त डॉ. रामास्वामी एन.यांच्या समवेत भेट देऊन तेथील कार्यप्रणालीची पाहणी केली.बेल्जियमच्या या अभ्यास मंडळामध्ये, बेल्जीयमचे फॉरेन ट्रेड सेक्रेटरी ऑफ स्टेट पीटर डे. हेम, इंडियन बेल्जीयन एम्बसीचे अम्बेसेडर जान लुईक्स आणि बेल्जीयम कॉन्सिलेटचे कॉन्सलि जनरल पीटर हाईनबार्ट अशा ३० प्रतिनिधींचा समावेश होता.

नवी मुंबई महानगरपालिकेच्या वतीने महापौर सुधाकर सोनवणे, महापालिका आयुक्त डॉ. रामास्वामी एन., अतिरिक्त आयुक्त शहर अजुन शहाणा, शहर अभियंता मोहन डगांवकर यांनी महापालिका मुख्यालयात या अभ्यास मंडळाचे स्वागत केले.

नवी मुंबई महानगरपालिकेमार्फत सेक्टर २० सानपाडा येथील मलप्रक्रिया केंद्रामध्ये सध्यस्थितीत सी-टेक एस.बी.आर. या अत्याधुनिक तंत्रज्ञानाने सांडपाण्यावर प्रक्रिया केली जात आहे. सध्या ही प्रक्रिया सेकंडरी लेव्हलपर्यंत करण्यात येत असून हे पाणी अधिक शुद्ध करण्याच्या दृष्टीने या पाण्याचा पुनर्वापर करण्यासाठी मे. आयन एक्सचेंज यांनी बेल्जीयम देशातील (मेम्ब्रेन बायो-रिअॅक्टर टेक्नोलॉजी) या अत्याधुनिक तंत्रज्ञानावर आधारित प्रायोगिक स्वरूपात प्रकल्प (पायलट प्लान्ट) उभारला होता. या प्रकल्पाद्वारे एम.बी.आर. तंत्रज्ञानावर आधारित अल्ट्रा फिल्ट्रेशनच्या माध्यमातून या प्रक्रियाकृत सांडपाण्यावर टर्शरी लेव्हलपर्यंत प्रक्रिया करण्यात येते.

बेल्जीयमच्या प्रतिनिधींनी महापालिका आयुक्त डॉ. रामास्वामी एन. यांच्या समवेत शहर अभियंता मोहन डगांवकर, अति. शहर अभियंता सुरेंद्र पाटील यांच्यासह सानपाडा मलप्रक्रिया केंद्रातील प्रकल्पाला भेट देऊन सदर प्रकल्पाच्या कार्यप्रणालीची प्रत्यक्ष पाहणी केली व चांगल्या रितीने हा प्रकल्प सुरु असल्याबद्दल समाधान व्यक्त केले. केंद्र शासनाच्या अमृत योजनेअंतर्गत नवी मुंबई महापालिकेच्या मलप्रक्रिया केंद्रामधील सांडपाण्यावर प्रक्रिया करुन ते पाणी उद्योग समूह, उद्याने, बांधकामे यांच्या वापरासाठी देणे प्रस्तावित असून त्याबाबतची तंत्रप्रणाली निश्चित करण्यासाठी या प्रायोगिक प्रकल्पाचा विशेष उपयोग होणार आहे.

भाजप प्रदेशाध्यक्षांच्या उपस्थितीत उरणकर दाम्पत्याने घेतले भाजप'चे कमल हाती!

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Punyanagri
Edition	Navi Mumbai
Headline	Indo-Belgium initiative to convert city's sewage into industrial grade water
Page	02
Date	29th April, 2017

Navi Mumbai-Raigad NEWS

पुण्य नगरी

पालिकेच्या मलप्रक्रिया केंद्राला बेल्जियमच्या पथकाची भेट

३० प्रतिनिधींचे पथक, कार्यप्रणालीची घेतली माहिती । अत्याधुनिक तंत्रज्ञानाने सांडपाण्यावर प्रक्रिया

नवी मुंबई : पालिकेच्या सेक्टर २०, सानपाडा येथील सी- टेक एस. बी. आर. या अत्याधुनिक तंत्रज्ञानावर आधारित मलप्रक्रिया केंद्राला बेल्जियमचे फॉरेन ट्रेड सेक्रेटरी ऑफ स्टेट पीटर डे क्रेम यांनी इंडियन बेल्जियम एम्बसीचे अॅम्बेसेडर जान लुईक्स आणि बेल्जियम कौन्सिलेटचे कौन्सील जनरल पीटर हाईगबार्ट अशा ३० प्रतिनिधींसह भेट देऊन तेथील कार्यप्रणालीची पाहणी केली.

पालिकेच्या वतीने महापौर सुधाकर सोनवणे, आयुक्त डॉ. रामास्वामी एन., अतिरिक्त आयुक्त अंकुश चव्हाण, शहर अभियंता मोहन डगावकर यांनी पथकाचे स्वागत केले. पालिकेमार्फत सेक्टर २० सानपाडा येथील मलप्रक्रिया केंद्रामध्ये सद्यस्थितीत सी- टेक. एस. बी. आर. या अत्याधुनिक तंत्रज्ञानाने सांडपाण्यावर प्रक्रिया केली जात आहे. सध्या ही प्रक्रिया सेकंडरी लेव्हलपर्यंत करण्यात येत असून हे पाणी अधिक शुद्ध करण्याच्या दृष्टीने पाण्याचा पुनर्वापर करण्यासाठी मे. आयन एक्सचेंज यांनी बेल्जियम देशातील मे. व्हीटो यांच्या एम.बी.आर. (Membrane Bio-Reactor Technology) या अत्याधुनिक तंत्रज्ञानावर आधारित प्रायोगिक स्वरूपात प्रकल्प (पायलट प्लान्ट) उभारला होता. या प्रकल्पाद्वारे एम. बी. आर. तंत्रज्ञानावर आधारित अल्ट्रा फिल्ट्रेशनच्या माध्यमातून या प्रक्रियेतून सांडपाण्यावर टर्शरी लेव्हलपर्यंत प्रक्रिया करण्यात येते. केंद्र शासनाच्या अमृत योजनेअंतर्गत पालिकेच्या मलप्रक्रिया केंद्रातील सांडपाण्यावर प्रक्रिया करून ते पाणी उद्योगसमूह, उद्याने, बांधकामे यांच्या वापरासाठी देणे प्रस्तावित असून त्याबाबतची तंत्रप्रणाली निश्चित करण्यासाठी या प्रायोगिक प्रकल्पाचा विशेष उपयोग होणार आहे.

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Vashi Times
Edition	Navi Mumbai
Headline	Indo-Belgium initiative to convert city's sewage into industrial grade water
Page	20
Date	29th April, 2017

Indo-Belgium initiative to convert city's sewage into industrial grade water

Staff Reporter / Navi Mumbai

AS part of an Indo-Belgium initiative, ION Exchange (India) Ltd in collaboration with Europe's leading research and technology institute VITO NV, Belgium has set up a technologically advanced Sewage Treatment and Recycle Plant at Navi Mumbai Municipal Corporation's (NMMC) sewage treatment facility.

Belgium's Secretary of State for Foreign Trade Pieter De Crem visited the facility, and was welcomed by Municipal Commissioner Dr. Ramaswami N and Ion Exchange (I) President Ajay Popat.

The main purpose of De Crem's 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.

Belgium's Secretary of State for Foreign Trade Pieter De Crem and his delegation being welcomed by Municipal Commissioner Dr. Ramaswami N and other civic officials during their visit to the state-of-the-art STP.

The plant uses VITO's proprietary IPC MBR Membrane technology, and 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, say civic sources.

Ion Exchange President Popat 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 the 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."

City Engineer Mohan Dagaonkar 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.

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Times of India
Edition	Navi Mumbai
Headline	Indo-Belgium initiative to convert city's sewage into industrial grade water
Page	02
Date	28th April, 2017

SAMPLE THIS, IF IT IS PURE ENOUGH?

K.K Choudhary

The Navi Mumbai Municipal Corporation (NMMC) which plans to commercially exploit waste water—much of which is flowing into the sea—got a first-hand experience of how the treatment can be done. A Belgian trade and industry team led by Pieter De Crem, secretary of state for foreign trade, met NMMC commissioner N Ramaswami on Thursday to give a low-down on a pilot project it has installed at the Sanpada sewage treatment plant (STP). The civic proposal for the Rs 357 crore treatment plant is awaiting the state nod. or producing upgraded treated water for commercial and industrial use. NMMC uses only 15 MLD out of the 190 MLD treated water produced from its six STPs. The rest are wasted for want of buyers. **—Sanjay Banerjee**

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Construction Opportunities
Edition	Magazine
Headline	ION Exchange Showcases state-of-the-art STP facility
Page	1
Date	June, 2017

COVER STORY

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) Limited together with an European partner 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. ◆

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Smart Cities Council
Edition	Online
Headline	IPC MBR technology to reduce operating cost of sewage plants
Link	http://india.smartcitiescouncil.com/article/ipc-mbr-technology-reduce-operating-cost-sewage-plants
Date	27th April, 2017

To understand the importance of wastewater treatment, the Navi Mumbai Municipal Corporation (NMC) has commissioned technologically-advanced sewage treatment and recycle plant. The plant has been setup by Ion Exchange in association with Europe's leading research and technology institute, VITO NV, Belgium.

Installed as a pilot project in India, the facility uses VITO's proprietary IPC membrane bioreactor (MBR) technology. The plant, with a capacity of 100 cubic metre per day (m3/d), offers significant advantages as compared to a conventional MBR 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.

Interestingly, 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 gas used helps reduce the cost per unit of treated water, making it affordable for use in industries, institutions, etc., as an alternate source of water.

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Publication	Nmtv.tv
Edition	Online
Headline	Indo-Belgium initiative supports NMMC's objective to convert sewage into industrial grade water
Link	https://www.nmtv.tv/indo-belgium-initiative-supports-nmmcs-objective-to-convert-sewage-into-industrial-grade-water/
Date	27th April, 2017

Dr. Ramaswami N, Municipal Commissioner, Navi Mumbai Municipal Corporation and Mr. Ajay Popat, President, Ion Exchange (India) Ltd. welcomed Mr. 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 m^3/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.

ION EXCHANGE SHOWCASES SEWAGE TREATMENT PLANT

Mr. Ajay Popat, President, Ion Exchange, 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”

Mr. 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.

Mr. Dirk Fransaer, Managing Director, VITO NV present on the occasion 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) Limited together with an European partner 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.

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