

UFlex Chemicals Introduce Zero Liquid Discharge Technology at its Noida Facility for Water & Environmental Protection

~ Saving 20 kilolitre of water everyday ~

15 March 2022, Noida, India: Driven by the aim to attain water sustainability and reduce its consumption and pollution, **the Chemicals production unit of UFlex situated in Noida is now a Zero Liquid Discharge (ZLD) facility.** ZLD is a strategic waste water management system that ensures that there is no discharge of industrial wastewater into the environment, which is why UFlex has proactively adopted this technology to significantly reduce their freshwater consumption by recognizing the importance of wastewater purification and recycling. The Chemicals plant that has adopted ZLD technology has started saving close to 20 kilolitres of water/ day.



UFlex' Chemicals business develops eco-friendly, sustainable and food-safe compliant inks, adhesives, coatings and biodegradable packaging solutions such as primers, barrier, gloss and heat-seal coatings which are ecologically conscious with a lower carbon footprint. While UFlex has been making a conscious effort to bring down the use of water while developing these solutions, with the implementation of ZLD technique the plant has ensured that no liquid waste is eliminated and its maximizes water usage efficiency.

The zero liquid discharge Chemical plant uses a 100% supply of effluent treated water of Sewage treatment plant (STP) as well as Effluent treatment plant (ETP). It is subsequently treated through the

combination of technologies like Membrane Bio-Reactor (MBR), Reverse osmosis (RO), and Agitated Thin Film Dryer (AFTD). The permeate good quality water which is the final product derived is thus re-

used in boiler feed, cooling tower makeup water, and fume hoods; without being discharged into the municipal sewer thereby putting the discarded water back to use. The rejected water is converted in to solid waste residue via evaporation process which is in turn discarded as hazardous waste (as per the regulatory norms).

Expressing his delight on this new development, Rajesh Bhasin, Joint President, Chemicals Business at UFlex commented, "At

UFlex Chemicals, we are proud to announce that our Noida Production has achieved the status of a Zero Liquid Discharge facility. We have adopted this technology to contribute positively to the environment by considerably reusing and recycling waste water in order to save groundwater consumption and is a big move for us in reducing our overall water consumption and ensuring that wastewater does not get discarded into the environment. We are working hard to follow the circular economy model at our facility and systematically implement means that are environmentally conscious so that we can conserve our natural resources for the future. Progressing further, we look forward to implementing the ZLD technology in our other production facilities as well, in order to contribute towards a sustainable future."



About UFlex Chemicals Business:

The Chemicals Business of UFlex that was incorporated in 1994 and headquartered in Noida is the leading provider of flexible packaging Inks, water-based, solvent-less and solvent-based adhesives and speciality UV & LED Coatings with the full range of UV and LED inks/ coatings for sheetfed offset, letterpress & narrow web application serving customers across the globe. Noida and Jammu plants are accredited with several certificates—such as ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018, and ISO 31000:2018. Its state-of-the-art R&D centre is NABL (ISO/IEC 17025:2017) accredited & recognized by The Department of Science and Technology, Government of India. The verticals' prime focus remains on developing sustainable technology, customized products, food-safe toluene free compliant inks as per IS 15495:2020 and providing on-site support to our customers.

For details please visit: <https://www.uflexltd.com/chemicals.php>

About UFlex:

UFlex is India's largest multinational in flexible packaging materials and solutions and a global polymer sciences corporation. Since its inception in 1985, UFlex has grown from strength to strength to establish presence across the world through manufacturing units and customers. Today, it has state-of-the-art packaging facilities at multiple locations in India and has packaging film manufacturing facilities in India, UAE, Mexico, USA, Egypt, Poland, Russia, Hungary and Nigeria.

Integrated within its core business profile of Flexible Packaging and Packaging Films are allied businesses like Aseptic Liquid Packaging, Engineering, Cylinders, Holography and Chemicals which further gives UFlex a superior edge over competition. UFlex offers technologically superior and sustainable packaging solutions for a wide variety of products such as snack foods, confectionery, sugar, rice, other cereals, beverages, tea & coffee, dessert mixes, noodles, wheat flour, soaps, detergents, shampoos, conditioners, vegetable oil, spices, marinades & pastes, dairy products, frozen food, poultry, anti-fog, pet food, pharmaceuticals, contraceptives, garden fertilizers, plant nutrients, motor oil, lubricants, automotive and engineering components etc. A B2B manufacturer, UFlex has also added new consumer facing products to its portfolio, like sanitizers and N-95 masks.

The group with a 10,000+ strong multi-cultural workforce has been providing innovative, value-added and sustainable packaging solutions to numerous Fortune 500 companies, spread across 150 countries worldwide.

A winner of various marquee global awards for its products' excellence, innovation and sustainability, UFlex became the 'first company in the world to recycle mixed plastic waste' earning it recognition at *Davos Recycle Forum in 1995*.

For more details, click on: www.uflexltd.com