Water Sustainability

We operate 3 effluent treatment plants, 1 sewage treatment plant and 1 desalination plant

To manage water resources efficiently, we have undertaken the following initiatives.

We prioritize the treatment and conservation of water resources in our operations. Through the implementation of efficient treatment plants and recycling measures, we aim to minimize water consumption and promote sustainable practices.

- Effluent Treatment Plants (ETP): We operate three Effluent Treatment Plants (ETP) that play a crucial role in treating wastewater from our manufacturing processes. In 2021 and 2022, our ETPs treated 884,467 m3 and 937,955 m3 of wastewater, respectively. These treatment plants ensure that the discharged wastewater meets regulatory standards and minimizes environmental impact.
- Sewage Treatment Plant (STP): In addition to the ETPs, we also have one Sewage Treatment Plant (STP) that handles wastewater from our facilities. In 2021 and 2022, the STP treated 225,270 m3 and 223,074 m3 of wastewater, respectively. This plant effectively treats sewage to ensure the safe disposal of wastewater.
- Recycling and Reuse: Approximately 100-125m3 of wastewater is discharged per hour from our factories. This wastewater undergoes preliminary treatment, including the injection of coagulant and flocculant, before being filtered and separated into recycled water and sludge. Part of the recycled water is redistributed for use in our factories, reducing our reliance on freshwater sources. The wet sludge is dried and reused in our production processes, with approximately 70-75% of the sludge being utilized by our Tiles division.
- Water Conservation: As part of our commitment to water conservation, we have made significant progress in reducing freshwater consumption. Since 2020, 70% of our total water consumption comes from recycled water sources. This shift highlights our dedication to maximizing water efficiency and minimizing our environmental footprint.

6%

increase in wastewater treated in our 3 ETPs between 2021-22

MIN. 70%

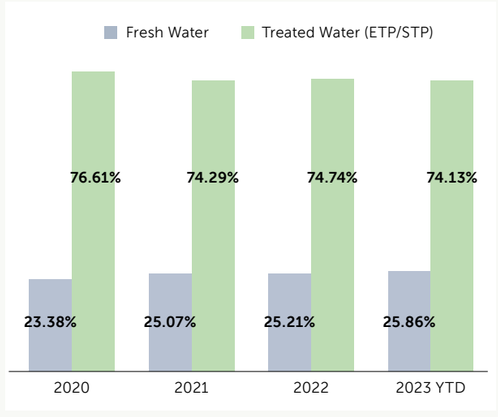
of water consumption across all our manufacturing is from recycled water since 2020

4%

Reduction in water intensity of sales

100%

of all our wastewater is treated on-site.



Initiatives for 2023

- To keep up with growing demand, we are installing another ETP of capacity 450m3/day which will reduce fresh water supply by 40%.
- We are also preparing to achieve the Water Stewardship certification by SAS Global.

Waste & Circularity

Our approach to managing waste

In Our Company, waste is seen as a valuable resource, and we have implemented comprehensive Waste Management Guidelines to promote resource efficiency and circularity. We have achieved the impressive milestone of reusing 100% of our non-hazardous waste by reintegrating it into our production processes for all product lines.

Our waste management methodology covers a range of waste streams, including broken tiles, broken sanitaryware, rejected products, sludge, batteries, cartons, paper, and e-waste. Hazardous waste is handled in strict compliance with regulations by authorized governmental agencies. We conduct regular audits of our waste management system and continually explore opportunities for waste reduction and reuse. Our waste management practices are integral to our Environmental Management System, aligning with our ISO 14000 certification.

Between 2021 and 2022, we achieved notable reductions in raw material consumption by 4.09%, from 1,215,433 tons to 1,165,668 tons. Additionally, our waste volume decreased by an impressive 26.68%, from 85,134 tons to 62,415 tons. This reduction contributed to a significant 40% decrease in waste intensity of sales during the same period. In 2022, we proudly achieved 100% recycling of non-hazardous waste, either through reintroduction in production or by partnering with third-party recycling services. This approach not only minimizes waste transportation but also eliminates associated emissions.

We are actively progressing in our initiatives for can recycling, forwarding 65 kgs and 68 kgs of cans for recycling in 2021 and 2022, respectively. Similarly, we have made significant strides in reducing paper consumption by substituting printed brochures with e-catalogs. By 2022, we achieved an impressive 40% reduction in printing catalogs, resulting in the forwarding of only 80 kgs of paper for recycling compared to 175 kgs in 2021.

100%

of non-hazardous waste is either reintroduced in production or recycled by 3rd parties

We have

ZERO WASTE

to Landfill (Non-hazardous waste only)

-4%

Reduction in Raw materials in 2022between 2021-2022

-26.6%

Reduction in volume of waste generatedbetween 2021-2022

-40%

Reduction in Waste Intensity of Sales between 2021-2022