Site Water Stewardship Performance (2016-2022)

Site Water Saving Initiatives

- Water Metering in different areas of Plant.
- Multiple time 100% Reuse of Treated Process wastewater for gardening and road washing
- Rainwater stored in storm water pond and reused for gardening, road washing and cleaning of rain drain channels
- Elimination of Raw Water Usage for Road Washing
- Optimize water usage by changing capacity of Turbine 2
- Optimization of Raw water usage for floor washing in process areas
- Elimination of Floor Washing in Warehouse (Wet Mop/Dry Mop).
- Long runs in Production to reduce no of CIP.
- Final rinse water reuse for next CIP Cycle
- Optimization of RO Plant (reduce time and frequency of backwashing).
- Water Efficient Technology Installed at handwashing stations of Process Areas and Sanitation Facilities.
- Sprinkler System Installed to save water used for gardening.

Reuse of Treated Process Wastewater & Rainwater

Treated Process Wastewater Storage Tank for Reuse

Storm Water Pond

Road Washing with Treated Process Wastewater and Rainwater

Water Related Value Creation

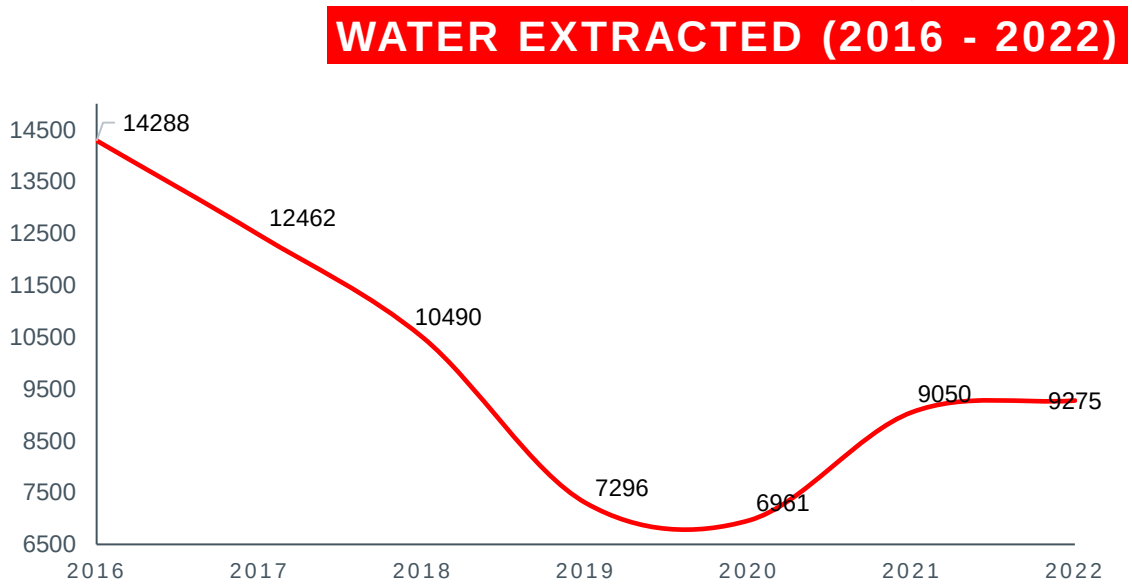
Benefits of Reusing Treated Wastewater and Stored Rainwater within the Plant:

- The quantity of process wastewater reused within Plant in 2022 is 4379.1 m3.
- Similarly, the quantity of rainwater reused within Plant in 2022 is 1749.04 m3.
- In Total 6128.14 m3 of Fresh water is saved by reusing this much amount of wastewater within the Plant.
- With the Elimination of Raw water usage for road washing and gardening, fresh water is saved, and this will help site to reduce its impact on Ground water resource.

Raw Water Extraction

35.08% Reduction in raw water extraction since 2016

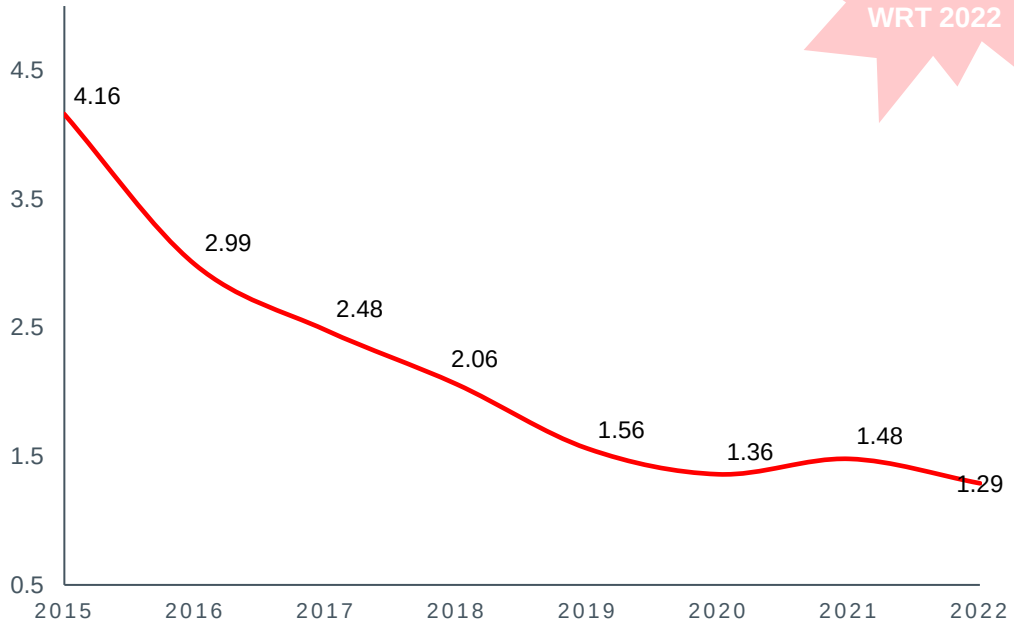
Year	Water Extracted (m3)
2016	14288
2017	12462
2018	10490
2019	7296
2020	6961
2021	9050
2022	9275



Water Use Ratio

Year	Water use ratio
2014	4.9
2015	4.16
2016	2.99
2017	2.48
2018	2.06
2019	1.56
2020	1.36
2021	1.48
2022	1.29

WUR (2015 - 2022)



73% Reduction in WUR Since 2014. 3% Reduction Target for 2023 WRT 2022