

Water Conservation

– Modular Fabrication Facility, Hazira

The source of water for LTHE's Modular Fabrication Yard (MFF) at Hazira is the TAPI river. MFF has installed two Sewage treatment plants (STP) of capacity 300 m³/day across its facility in order to reduce burden on fresh water consumption.

Initially the STP treated water was being used for the purpose of gardening. Over the last three years, STP treated water recycling has been extended to flushing in toilet blocks and water sprinkling for dust separation in the industrial yards. The water recycling initiatives have helped MFF Hazira reach 'Zero Discharge'.



STP at Hazira MFF

Reduces 5.7 Lakh litres / year/ toilet of freshwater consumption
Savings of ₹ 0.25 Lakh/ year



STP treated water re-used for gardening

Reduces 25 m³/ day of freshwater consumption
₹ 3.5 Lakh/ year savings



STP treated water re-used for water sprinkling in dust suppression at MFF Hazira

Reduces 14400 m³/ year of freshwater consumption
₹ 5 Lakh/ year savings

Water Savings in FY 2013-14

Description	Saving of Water (M3/Year)	
Gardening	7.5 (m ³ /Day) x 250 Days	1,875
Dust Suppression	8 (m ³ /trip) x 6 (Trips) x 200 Days	9,600
Toilet & Urinal Flushing	1.5 (m ³ /Toilet Block) x 11(Toilets) x 365 Days	6,022
Total Reduction in Water Consumption (m³)		17,497