



# BREWERIES

## THIRSTY CITY 127

AWT has installed a 1000 LPH (Liters per hour) water treatment plant at a Micro brewery located at Lower Parel, Mumbai. The craft brewery uses the water purification equipment to treat the incoming municipal water before it enters the brewing process. The water treatment plant is based on Reverse Osmosis technology to control the salt and mineral levels in the water. Municipal water or tanker water is fed to the plant and product will be water at different salt levels, which will be used in brewing different grades of beer.

Each variety of beer has a different level of calcium, sodium, carbonate, bicarbonate and other minerals to give distinct taste. The mineral levels is controlled by operating the plant at different salt levels. We have provided 4 control levels to produce 4 types of products. By stripping out the salts, hardness and alkalinity from the water, the result is a high-purity water that serves as the foundation for all beer recipes.

Once the water is purified, brewers adjust and manipulate the water chemistry to replicate the water profiles which typically involves incorporating one or more of five main salts (calcium sulfate, magnesium sulfate, sodium bicarbonate, calcium chloride and calcium hydroxide) at specific ratios to create the right balance of hardness and alkalinity to match the water sources of the beer styles. The high-purity water from the RO system provides a neutral base to consistently and reliably produce a variety of beers.