



# DAIRY AND POWDER PLANTS

For the Dairy industry, AWT has the capabilities to execute by using a combo of Equipment and Special Chemicals to meet the stringent norms. We provide wastewater treatment with advance technologies. With our complete understanding of nature of effluent, pollutant fingerprinting, knowledge on process raw material and its characteristics, we are efficient in handling the worst effluent streams.

AWT provides advanced process scheme comprising of anaerobic and aerobic reactors for efficient treatment of dairy and powder plant wastewater. The process is designed to handle the complex loads being generated in the dairy and powder plant sector. These loads are highly organic and require high degree to treatment to impart enough oxygen levels to break the complex bonds.

AWT bagged the order for 100 KLD ETP for a Dairy major in Western Maharashtra. In the project, we have given state of the art wastewater treatment system. The process scheme consists of equipment such as Continuous stirred tank reactor for anaerobic degradation and decanter centrifuge for a clean solid liquid separation. Activated sludge process is used for aerobic treatment.

The plant shall achieve 95-98% reduction in pollutant loads and save the serene environment of the site from wastewater management hassles.

In a typical wastewater treatment plant, pollutant loads are removed by conventional processes which leads to higher footprints and lesser treatment efficiencies. By using CSTR, anaerobic degradation is enhanced which leads to better design and cost savings in downstream aerobic process. Decanter Centrifuge is special solid liquid separation equipment which has merits of clean operation and better sludge recovery & consistency.

Features of the projects are listed as below

- State of the art treatment process
- Lesser footprint
- Enhanced organic degradation in anaerobic treatment thereby saving on air requirement in aerobic treatment
- Best in class Sludge Management