

Water Treatment Solutions for Tanneries

Achieve up to 85% volume reduction in effluent by the advanced Plate Tube Module Systems.

Features

- Lower pretreatment requirement
- No Softening / Coagulation
- No fine filtration and activated carbon filtration
- No UF / NF pretreatment
- Ability to handle high COD/BOD loads negates the high fouling and scaling potential of tannery effluent
- High recovery rates result in lower and manageable concentrated streams



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CASE STUDY

Tannery Unit – Ambur, India

Background : The effluent from the unit is being treated in the existing ETP. However the ETP treated effluent was not meeting the discharge norms. The discharge needed to be treated further to achieve pollution norms

Plant Installed : Rochem PT-RO System
(Microprocessor controlled, fully fail safe and unattended operation)

Input : 75 cum/day of treated wastewater as input

Recovery Rate : 80–85%

Plant Performance

Parameter	Unit	Effluent (Input to RO)	RO Output
Flow	cum/day	50	40–42.5
Total Dissolved Solids	ppm	< 8000	< 500
Chemical Oxygen Demand	ppm	< 2000	< 100
Biological oxygen Demand	ppm	< 1000	< 30

Salient Features

- The installed system treats the input wastewater to a level of quality where it can be reused within the factory.
- The concentrated reject from the plant is within manageable volume and easily treated through solar or other accelerated evaporation mechanisms available.