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## Introduction to Treatment of Tannery Effluents

### **Module 1 Load, norms, in-house treatment**

The aim of effluent treatment; pollution load and the main waste water quality parameters; typical discharge norms; general overview of the treatment of tannery effluents, segregation of streams, treatment of spent liming floats and treatment of chrome-bearing floats

### **Module 2 Treatment within tannery compound**

Pre-treatment for discharge into CETP collection network, physical-mechanical (primary) treatment for discharge into municipal sewage.

### **Module 3 Sludge dewatering**

Sludge thickeners, sludge pumps, filter press, centrifuge, belt filter press, flow-chart of physical-chemical treatment, sludge drying beds.

### **Module 4 Biological (secondary) treatment**

Activated sludge, aeration devices, oxidation ditch, flow-chart of the biological treatment

### **Module 5 Occupational safety and health (OSH) common effluent treatment plant (CETP) costing and management**