

ZERO LIQUID DISCHARGE (ZLD) TECHNICAL REPORT

Project Overview

Project: GreenTech Manufacturing Ltd.

Prepared by: Environmental Consultant

Effluent Characteristics

Effluent Type: Process wash water

Quantity: 10 KLD

ZLD System Configuration

Primary Treatment: Equalization + Clarifier

Secondary Treatment: Biological Treatment

Tertiary Treatment: Reverse Osmosis (RO)

Concentrate Handling: Multiple Effect Evaporator (MEE)

Reuse & Disposal

Treated water reused within premises

No liquid discharge outside the premises

Sludge handed over to authorized TSDF