

Water Treatment Plant (WTP) Design Guide

Water, RO & Sanitation

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This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Produces a design brief for a bulk water treatment plant — raw-water source and quality, conventional treatment stages and sizing — for municipal, township or industrial supply. Use it to scope a WTP project.

Purpose of this tool & output

Design a bulk water treatment plant

How the output is used

Use it to design a bulk water treatment plant — a WTP design guide across source, treatment train and capacity.

Important cautions

Indicative scoping; WTP design needs raw-water analysis, a water engineer and design to the applicable standard. Confirm source data and design with a competent consultant.

Companion documents

- ETP Design & Setup Guide
- STP Design & Setup Guide
- Treatment Plant O&M SOP
- Effluent Compliance & Monitoring Plan
- Sludge Management Plan
- Treatment Plant Performance Audit

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.