

In-House Laboratory Setup 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 plan for the in-house water-testing laboratory required for BIS — equipment, tests, reagents, competent analyst and records — to test source and product water. Use it to build a compliant plant lab.

Purpose of this tool & output

Set up the plant testing lab

How the output is used

Use it to set up the plant testing lab — an in-house laboratory setup guide across equipment, tests and staffing that BIS/FSSAI expect.

Important cautions

BIS requires a compliant in-house lab and competent analyst and specific tests; requirements are detailed and audited. Confirm the exact lab and testing requirements with BIS and use accredited external labs for confirmation.

Companion documents

- Water Plant Setup Plan
- Treatment Process Designer
- Plant Machinery Selection Guide
- Plant Layout & Hygiene Design
- Plant Utilities & Power Plan
- Capacity & Utilisation Planner

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.