



— ECO-STP | ETP | WTP | RO SYSTEM —
SOFTENER | PUMPING SYSTEMS | AUTOMATION

ABOUT US

Clean Urja Generators India Pvt. Ltd., our role in water treatment goes beyond providing technical solutions. We see it as a responsibility to safeguard natural resources and enable sustainable growth. Guided by the principle of “Recycle for Life Cycle”, Clean Urja has been an integral part of the National Green and Clean India Mission since 2017, driven by a vision of recycling and reusing water and natural resources responsibly.

As an Environment & Energy Consulting and Services firm, we deliver sustainable water treatment solutions aligned with India's green future. Our systems are designed to minimize chemical dependency, optimize energy efficiency, and ensure compliance with CPCB norms, making them ideal for institutions working toward green building standards.

We believe water is not a disposable resource, but a renewable asset. Every project reflects our commitment to Innovation and environmental stewardship - transforming wastewater into a valuable resource, reducing ecological impact, and helping industries and communities grow sustainably.

Every drop of treated water holds both environmental and economic value. Through collaboration and shared responsibility, we can create a cleaner, more sustainable tomorrow.

RO SYSTEM

- Capacity from 250 LPH up to 10,000 LPH significantly better than conventional RO systems.
- 75% recovery - unlike conventional RO plants.
- Low power consumption → low electricity bill.
- Low water wastage and rejection.
- Compact footprint and rodent-free design.
- Application - industries, hotels, hospitals, residences and bottling units.



SOFTENER

- Hard water contains high levels of calcium (Ca^{2+}) and magnesium (Mg^{2+}), which can damage pipes, appliances, and skin. The system removes hardness-causing calcium and magnesium ions. Hence replaced with sodium ions using a salt (brine) solution which prevents scaling and extends the life of boilers, geysers, washing machines, and pipelines.
- Leaves skin feeling softer and laundry looking brighter.
- Application - Residential Societies, Bungalows, industries and commercial setup

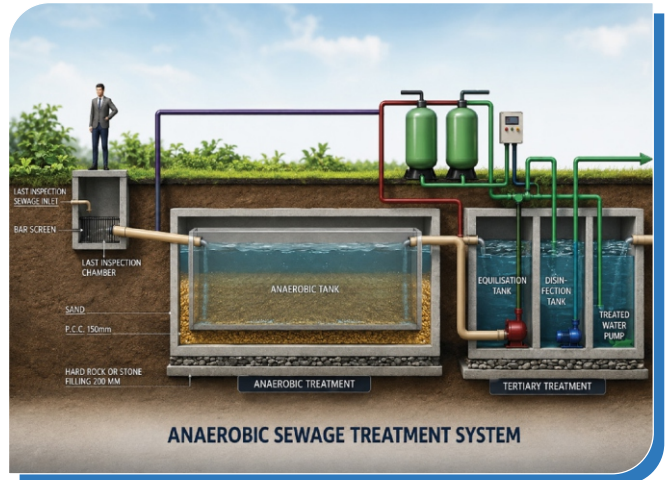




ECO-STP

Smart Investment, Long-Term Savings

Reduce water bills, lower maintenance costs, and contribute to a greener future - all with one efficient system. Our ECO-STP is a fully anaerobic, chemical-free sewage treatment system that uses a one-time bacterial inoculum to digest waste - no sludge, no smell, minimal power.



REDEFINING WATER MANAGEMENT

with Innovation, Efficiency & Sustainability

- Anaerobic process is low maintenance and one-time addition of bacterial inoculum.
- No need to evacuate the anaerobic tank & no sludge is formed.
- All fecal matter is completely digested and converted into water, methane (ECO Gas), and CO².
- All the processes are 90% automated.
- All cleaning agents can be treated in ECO-STP.
- No chemical is required for the treatment of sewage water.
- Very less electricity is required for the treatment of sewage water.
- There's no human interference in the process, resulting in huge cost saving.
- Easy to relocate.
- Treated water is safe for irrigation, gardening & re-flushing.



HEAT-PUMPS

A Heat Pump is a water heater that sources heat from the air to heat water. The working principle is based on the Reversed Carnot Cycle.



Components

Heat pump water heater includes 4 core components - evaporator, compressor, condenser & expansion valve for efficient heat transfer.



How it works

The refrigerant absorbs heat, gets compressed, and transfers that heat to the water using minimal electricity.



Why it saves money

Uses up to 75% less electricity than conventional water heaters, saving money while staying eco-friendly.



ETP (Effluent Treatment Plant)

Custom-engineered Effluent Treatment Plants for manufacturing, food processing, pharma, textile and chemical industries, designed to meet SPCB / CPCB norms and enable water reuse.



- Physical, chemical and biological treatment stages.
- Sludge handling and dewatering systems.
- Online monitoring (pH, COD, BOD) and SCADA integration.
- Designed for SPCB / CPCB compliance.
- Reuse-ready treated water for utilities and gardening.



WTP (Water Treatment Plants)

Filtration plant are having sand & carbon media inside them. Sand media remove macro particle from the water & carbon media remove chlorine, bad odor from the water.

Specialty & Peculiarity

- Robust & Reliable & Flexible
- Lower Footprint & Higher Product
- Water Quality
- Easy To Install & Easy To Operate
- Plug & Play Unit
- Environmental friendly

Variety & Variant

- Multigrade Filtration
- DualMedia Filtration
- Pressure sand Filter
- Activated carbon Filter



TURNKEY PROJECTS (Your One-Stop Water Partner)

From consultation to commissioning, we deliver fully integrated, ready-to-use systems - so you can focus on what matters most.



WHERE WE WORK

We provide end-to-end turnkey solutions for advanced water management systems - designed to deliver high performance, energy efficiency, and long-term reliability



• Bungalows & Homes

Clean, soft water for everyday comfort and appliance protection



• Residential Societies

Centralized systems for consistent supply and reduced maintenance



• Commercial Spaces

Efficient solutions for offices, malls, and business hubs



• Industries

Heavy-duty systems for process efficiency and compliance



• Hospitals

High-purity water solutions with strict hygiene standards



• Hotels

Premium water quality to enhance guest experience

WHAT WE OFFER

Water Treatment Systems

Filtration, softening, and purification for safe, high-quality water.

Pumping Systems

Reliable and efficient water distribution across all levels.

Heat Pump Systems

Energy-saving hot water solutions with consistent performance.

Automation for Water Circulation

Smart control systems to optimize flow, reduce wastage, and improve efficiency.

WHY CHOOSE US?

- Complete Design to Execution
- Customized solutions for every project
- Advanced technology & quality components
- Energy-efficient & cost-effective systems
- Strong after-sales support & maintenance

From Consultation to Commissioning
Fully integrated, ready-to-use systems - so you can focus on what matters most.



PRESSURE PUMP



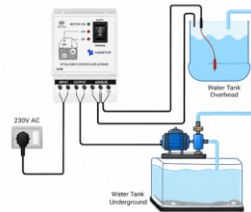
INDUSTRIAL PUMP



TWIN BOOSTING PUMP



HEAT PUMP



WATER AUTOMATION



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WATER TREATMENT & SOLAR POWER SOLUTIONS

Building a sustainable future through eco-friendly water & energy systems.