



INTEGRATED ONLINE & RESIDENTIAL TRAINING PROGRAMME

BULK REUSE OF USED WATER

Lessons from selected cities from across India

Challenges, gaps and success mantras.

What works and what does not.

At institutional, residential and commercial levels.

India's rapidly urbanising landscape is placing unprecedented pressure on its water resources and sanitation infrastructure. According to the Central Pollution Control Board (CPCB), urban India generates over 72,000 million litre a day (MLD) of sewage, while the installed treatment capacity is only 31,841 MLD. The untreated wastewater finds its way into rivers, lakes and groundwater, posing serious risks to public health and the environment.

Educational institutions, hospitals, residential townships, commercial establishments and industrial campuses are increasingly adopting on-site wastewater treatment systems to manage wastewater at the point of generation. Many cities have opted for decentralised sewage treatment and reuse of 'used water' for purposes like landscaping and flushing, and to ease the burden on centralised STPs. When properly designed, operated and maintained, these systems can reduce pollution loads, conserve freshwater through local reuse, and contribute to circular water management.

Centre for Science and Environment (CSE) offers a two-part intensive integrated training programme to help do just that -- design, operate and maintain systems that can efficiently reuse used water -- through insights gained from its extensive field studies conducted across Indian cities. The programme will combine policy perspectives with practical experiences, showcasing both successful and underperforming on-site wastewater treatment systems in institutional, residential and commercial settings.

Participants will gain insights and knowledge on selecting appropriate treatment technologies, designing and operating on-site systems, monitoring treatment performance, complying with regulatory requirements, managing biosolids, and identifying safe reuse opportunities, through real-world case studies, expert sessions and interactive discussions.

Part A: Online Training

Fundamentals of Decentralised Wastewater Management

- August 27-September 10, 2026
- Zoom and Moodle
- Last date for receiving applications: August 20, 2026
- Training fees: Rs 3,500

WHAT THIS PART WILL FOCUS ON:

- India's urban wastewater scenario, emerging challenges on water circularity and the need for decentralised wastewater management
- National policies, standards and the regulatory framework
- Wastewater characteristics and treatment objectives
- Fundamentals of on-site wastewater treatment systems
- Overview of treatment technologies
- Technology selection criteria for different institutional settings
- Basics of treated wastewater reuse and reuse standards

Training duration:

2 weeks
(16 hours -- 8 hours of
virtual sessions and 8
hours of self-paced
study)

Part B: Onsite/Residential Training

Translating Concepts into Practice: An Advanced Programme

- October 6-9, 2026
- Anil Agarwal Environment Training Institute, Nimli, Rajasthan
- Last date for receiving applications: September 30, 2026

WHAT THIS PART WILL FOCUS ON:

- Practical aspects of sizing and designing treatment units
- Preparing operation and maintenance plans for different technologies
- Process of evaluation of treatment performance through operational and design parameters
- Assessing influent and effluent water quality and interpret laboratory results
- Diagnosing operational problems and identifying corrective measures
- Developing institution-specific wastewater reuse plans and water balance
- Sludge and biosolids management through field demonstrations
- Visiting successful treatment systems to identify key success factors
- Working in groups to prepare improvement plans for existing systems and present recommendations to experts

Training Fees*

Single
accommodation:
Rs 32,000;
Shared
accommodation:
Rs 30,000

*Training fees includes costs of accommodation, all meals, training material, field visit and travel from CSE's main office in Delhi to the training centre and back.

*This training is free for government officials nominated by their departments/agencies.

WHY JOIN THIS PROGRAMME?

- Learn directly from sector experts and practitioners.
- Access real-world case studies from multiple Indian cities.
- Understand both successful and failed implementations.
- Gain practical knowledge that can be applied immediately in projects and institutions.
- Become part of a growing network of professionals working towards sustainable urban water management.
- Participants completing the residential programme will receive a Certificate of Participation from CSE.
- The best performing participants in the online training (Part A) will be offered a 100 per cent fellowship in the residential training (Part B).

SOME IMPORTANT POINTS: FOR RESIDENTIAL TRAINING (PART B)

CSE will arrange the travel from CSE's main office in Delhi to the training centre (AAETI) in Rajasthan and back. All other travel and related expenses will have to be borne by the nominating agency/organisation.

Participants need to arrive at CSE's main office in Delhi on October 5, 2026 by 12 noon. Anyone who arrives late might get left behind and will have to arrange her/his own transport to reach AAETI.

Before finalising their travel plans, participants should get in touch with the training coordinator

CLICK HERE TO REGISTER

COURSE COORDINATOR

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