SCHOOL OF WATER AND WASTE

AAETI

RESIDENTIAL TRAINING PROGRAMME ON

BULK REUSE OF USED WATER

Venue: Anil Agarwal Environment Training Institute (AAETI), at Nimli, Alwar district, Rajasthan

October 6 – 9, 2026

Training Agenda

Time	Title & Focus Area	Key Learning Outcomes	Trainer/Speaker
Day 0: October 5, 2026 (Monday)			
12:00 PM	Participants arriving at CSE	All the participants arrive at CSE	Pradeep Kumar Mishra, Deputy Programme Manager, CSE
13:00 – 14:00 Lunch			
3:00 PM		Leave for AAETI	Pradeep Kumar Mishra, Deputy Programme Manager, CSE
Day 1: October 6, 2026 (Tuesday)			
10:00 – 10:30	Welcome Note	Welcoming the participants and ice breaking session	Subrata Chakraborty, Director, Water Programme, CSE
10:30 – 10:45		Pre Assessment Quiz	Pradeep Kumar Mishra, Deputy Programme Manager, CSE
10:45 – 11:30	Activity 1: Group discussion on identifying the road blocks for reuse	Understanding the need of bulk reuse, gaps and challenges, what cities are doing and overview of the city specific policies and mandates	Sushmita Sengupta, Senior Programme Manager, CSE
11.30 – 11.45 Tea Break			
11:45 – 13:00	Understanding different policies on used water management	Overview of national level policies on reuse of treated used water State policies promoting the reuse of treated used water Understanding the role and responsibilities of various institutions in management of used water	Anurag Garg, Institute Chair Professor, IIT Mumbai (online) (TBC)
13:00 – 14:00 Lunch			
14:00 – 16:00	Role of Nature-based Solutions (NBS) in promoting reuse of treated used water	Design, technical details, reliability, implementation strategy and impact of NBS in the promotion of reuse of treated used water Best case studies of nature based systems used with reuse applications at decentralized level	Swati Bhatia, Deputy Programme Manager, CSE
16:00 – 16:15 Tea Break			
16:15 – 17:30	Group Activity 2: Water Balance	Understanding the concept of water balance, methods to estimate the water balance at residential/institutional/ commercial level, importance and impact of a robust water balance exercise	Pradeep Kumar Mishra, Deputy Programme Manager, CSE

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Time	Title & Focus Area	Key Learning Outcomes	Trainer/Speaker
Day 2: October 7, 2026 (Wednesday)			
9:30 – 10:30	AAETI Visit	Visit to the live models of Rainwater Harvesting and Decentralized Wastewater Treatment Systems of AAETI	Pradeep Kumar Mishra and Swati Bhatia, Deputy Programme Manager, CSE
10:30 – 13:00	Understanding different technologies for decentralized treatment of used water at residential/ commercial/ institutional level	Selection of different technologies based on used water characteristics	Ram Anugrah Narayan, Senior Environmental Consultant (TBC)
		Design calculations of different treatment technologies based on different parameters, used for treatment of used water from residential/ commercial / institutional buildings	
		Quantification of inflow, treatment, generation of treated used water and reuse application linking to water balance	
11:00 – 11:15 Tea Break (Tea will be served inside the classroom)			
13:00 – 14:00 Lunch			
14:00 – 16:00	Operation and Maintenance of decentralized used water treatment systems	Steps (SOP) for Operation and Maintenance of decentralized systems, circularity and economic models of operation	Kamal Tiwari, CEO, Daiki Axis India (TBC)
		Checklists to be followed and implemented for O&M of decentralized STPs in residential and commercial buildings.	
16:00 – 16:15 Tea Break			
16:15 – 17:45	Wastewater Characteristics & Quality	Understanding used water quality parameters to set treatment objectives for safe reuse.	Rajarshi Banerjee, Head, Environment Monitoring Lab, CSE
		How different bulk generators generate used water with different parameters, and its effect on treatment efficiency and reuse potential	
Day 3 – October 8, 2026 (Thursday)			
10:00 – 12:00	Reuse Standards & Safe Management of used water	Identifying reuse applications and standards for treated used water and biosolids.	Rajarshi Banerjee, Head, Environment Monitoring Lab, CSE
12:00 – 13:00	Visit to CSE's Environment Monitoring Lab		Lab team
13:00 – 14:00 Lunch			
14:00 – 16:00	Gaps, challenges and opportunities in reuse of used water	Institutional, social and individual challenges in utilizing treated used water for different uses	Saarthak Chopra, Design to Occupancy, Jaipur (TBC)
		How government incentives/subsidies can promote reuse of treated used water	
16:00 – 16:15 Tea Break			
16:15 – 17:15	Ground Activity – 3	Group Presentation	Pradeep Kumar Mishra and Swati Bhatia, Deputy Programme Manager, CSE

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17:15 – 17:30		Post Assessment Quiz	Pradeep Kumar Mishra, Deputy Programme Manager, CSE
Day 4 – October 9, 2026 (Friday)			
9:00 – 15:00	Site Visit	Visit an onsite sewage treatment system – RWA and relate it to concepts covered, Interact with plant operators and facility managers on real O&M challenges	Pradeep Kumar Mishra and Swati Bhatia, Deputy Programme Manager, CSE
Certificate distribution, Feedback and Closure			

For further queries, please contact:

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