



4-DAY RESIDENTIAL TRAINING PROGRAMME ON

"REDUCING WATER FOOTPRINT IN INDUSTRIES THROUGH WATER AUDIT & WASTEWATER MANAGEMENT"

COURSE DATE: 4th-7th May, 2021

COURSE TIME: 09:30 am to 05:30 pm

LAST DATE TO APPLY: 25th April, 2021

COURSE VENUE – Anil Agarwal Environmental Training Institute (AAETI), Tijara, Rajasthan about 100 km from Delhi. Participants have to reach to New Delhi at their own expenses on 3rd May, 2021. CSE will arrange transportation of the participants between Delhi and AAETI on 3rd May and 8th May (return).

BACKGROUND

Increasing industrial production especially in water intensive industries (like thermal power plants, pulp & paper, textiles, fertilisers, etc.) is already putting pressure on the limited freshwater resources in India and worldwide. Sourcing water and managing wastewater is becoming increasingly difficult & expensive and hence is an important aspect for sustainability of any industry. Industries which are heavily dependent on water for their production have to cut down on their production at times due to scarcity of water mainly during summer season. Such scenarios have become more frequent in the past few

years due to reduced water availability and increasing water stress. Therefore, it is very critical that industries use water judiciously and reduce its water footprint as much as possible in order to be sustainable in future.

Water use optimisation, improving water accounting systems, identifying water losses and opportunities for water savings can serve as an effective approach for reducing water consumption. Also, efficient wastewater treatment technologies and recycling and reuse practices can further bring down consumption and effluent generation. Further, substantial costs which are associated with

water & wastewater management can be effectively reduced through better water and wastewater management and through periodic conduction of water audits.

Understanding the relevance of the subject, Centre for Science and Environment (CSE) a 4-day training programme at its training campus Anil Agarwal Environment Training Institute (AAETI), Alwar with the aim of providing a wider understanding on the above aspects of water audit, wastewater management and recycling in industries. Certificates will be provided upon completion of course.

KEY LEARNINGS FROM THE COURSE

- Water audit – Introduction, Scope and Methodology
- Preparing industry specific water audit questionnaire
- Water audit instrumentation, metering and accounting – practical aspects
- Preparing water circuit diagram and water balance with industry-specific case studies
- Water audit, wastewater recycling and re-use – Regulatory aspects
- Specific water consumption & benchmarking
- Understanding water utilities basics - pumps and cooling towers
- Advanced water & wastewater treatment technologies
- Industry specific case studies on opportunities identified for water savings through water audits;
- Water and wastewater costing and cost benefit analysis of water saving schemes
- Field visit to industry to understand water conservation practices
- Case studies/Assignments/Exercises

WHO CAN APPLY?

Industry professionals, EHS officials, environmental consultants, environment engineers, environment regulators, environmental laboratories and academic institutions

COURSE FEE

Rs 22,000/- per participant (Fees Includes training material, boarding and lodging, travel from New Delhi to AAETI, Alwar and back)

For further details and to register, please contact:

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**10% EARLY
BIRD DISCOUNT
VALID TILL 30th
March, 2021**