

Online training on Water Audit and conservation in Industries

Online course duration 24 hours (12 hours per week)

Indian & Global Participants

Course fee Rs 3500

Increasing industrial production specially in water industries like thermal power plants, pulp and paper, textiles, fertilizers etc. is already pulling on the limited fresh water resources in India and world-wide. This is coupled with increased water demand from other sectors like infrastructural development, agriculture, domestic etc., which is leading to major conflicts over water availability. Sourcing water and managing waste water is becoming increasingly difficult and expensive and hence is an important aspect of sustainability of any industries which are heavily dependent on water for their production of these due to scarcity of water mainly during summer season. Such scenario has become much frequent in the past few years due to increasing stress. Therefore it is very critical for industries to use water judiciously and reduce the water footprint as much as possible in order to be sustainable in future.

Water use optimization, improving water accounting systems, identifying water losses and opportunities for water savings can serve as an effective approach for reducing water Consumption. Also efficient waste water treatment technologies and recycling and reuse Practices can further bring down consumption and efficient generation. Further, substantial costs which are associated with water and wastewater management like water sourcing, cost of pumping, cost of water treatment (chemicals), cost of efficient treatment and disposal etc., can be effectively reduced through better water and wastewater management and through periodical conduction of water audit.

In this background, understanding the relevance of the subject, Society for Empowerment (SFE) has developed a 2 week online course with the aim of providing a wider understanding on the above aspects of water audit, wastewater management and recycling.

The courses will be conducted online through technological learning tools such as presentations, videos, discussion with experts and other audio and reading materials.

Upon completion of course participants will receive E certificate of Completion.

WHO CAN APPLY:

INDUSTRY PROFESSIONALS, EHS OFFICIALS, ENVIRONMENTAL CONSULTANTS, ENVIRONMENTAL ENGINEERS, ENVIRONMENTAL REGULATORS, ENVIRONMENTAL LABORATORIES, ACADEMIC INSTITUTIONS AND OTHERS ASPIRING TO WORK IN WATER AUDIT, AND WATER WASTE MANAGEMENT FIELD.

MODE OF TRAINING:

The Online course is self-paced wherein recorded video sessions from experts, presentation and other reading materials will be uploaded on SFE online platforms on daily basis.

Additional 2 or 3 sessions will be organized with all experts for taking up queries over weekend. The course is designed in a manner to help participants in attending along with their regular work and study the course materials at their own convenience.

KEY LEARNING FROM PROGRAMME:

1. Introduction about Water audit, Scope and Methodology
2. Preparing industry specific water audit questionnaire
3. Water audit instrumentation, marketing and accounting
4. Preparing water circuit diagram and water balancing without industry specific case Studies.
5. Specific water consumption and bench marking.
6. Water audit, waste water recycling and reuse.
7. Regulatory aspects: New CGWA notification covering mandatory water audit.
8. Understanding water utilities basins pumps and cooling towers.
9. Advanced water and wastewater treatment technologies with a focus on zero discharge technologies.
10. Industry specific case study on opportunities identified for water savings through water audits.
11. Water and waste water costing and cost benefit analysis of water savings schemes.
12. Case studies/assignments/exercises.

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