

HANDS-ON LABORATORY TRAINING FOR WORKING PROFESSIONALS IN FAECAL SLUDGE MANAGEMENT

Dates of training:
**June 23rd to
 June 26th, 2026**

Last Date to
 Apply: **June
 12th, 2026**

Language:
English

Venue: **Anil Agarwal
 Environment Training Institute
 (AAETI), Nimli, Rajasthan**

ABOUT THE TRAINING

Globally, safely managing onsite sanitation system has remained a challenge. Nevertheless, Faecal Sludge Management (FSM) has evolved worldwide with continual development and improvements keep happening in research methodologies. Therefore, skill development for better scientific understanding of FSM, its byproducts (treated water and biosolids) becomes imperative. This course focuses on some of the basic and recent advances in laboratory analysis of physico-chemical and biological parameters of faecal sludge (FS) and its byproducts. This training is part of the Centre for Science and Environment and Gates Foundation collaboration on FSM in India. In-house experts and lab scientists from CSE's Environment Monitoring Laboratory (EML) will guide participants through the sessions and help them learn lab analysis using state-of-the-art equipment and methods. The hands-on approach for the program means that participants get to perform the lab experiments and can enhance their skills. The training will be held in CSE's residential campus in Nimli, near Alwar, Rajasthan.

WHAT YOU WILL LEARN

- Introduction to FSM
- Sample collection, storage and transportation
- Safety measures to be taken during handling of FS
- Physio-chemical analysis of FS
- Biological (Helminth eggs, faecal coliform, *E.coli*) analysis of FS
- Good laboratory practices

METHODOLOGY

Highly interactive hands-on training:

- Interactive input presentations
- Visit to in campus faecal sludge treatment plants for demonstration of sample collection, storage and transportation to laboratory
- Analysis of physico-chemical parameters such as pH, Total solids, BOD (Biochemical oxygen demand), COD (Chemical oxygen demand), Ammoniacal nitrogen, and Total phosphate (demonstration of Total Kjeldahl Nitrogen estimation).
- Analysis of microbial parameters such as faecal coliform and *E. coli* in by multiple tube fermentation technique
- A hands-on testing of Helminths egg enumeration
- Analytical equipment calibration and methodology validation.

WHO CAN APPLY

- Managers or technicians in the Govt. and Pvt. Water / wastewater / FS testing laboratory
- Experienced (min 1 year) professionals working in the WASH /FSM/ Waste Water Management
- Personnel/ Professionals who are involved in FS/Wastewater Management

BENEFITS

- A certification on successful completion of training
- Hands on exposure to scientific analytical techniques

COURSE FEE AND FACILITIES

Eligible candidates will be provided with scholarship for this training. This support will also cover the cost of stay, including all meals.

TRANSPORTATION

- Participants shall only be provided ground transport for Delhi to AAETI (training venue) and back to Delhi.
- Participants need to bear the cost of their travel to reach Delhi and back to their hometown.

COURSE COORDINATOR

SAUMYA

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COURSE ORGANISER

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