



## ONLINE TRAINING

# Dumpsite Remediation and Landfill Management

Course dates: **February 28-March 7, 2022**

Last date to apply: **February 26, 2022**

Course duration: **Eight days (10 hours)**

Learning platforms: **Zoom and Moodle**

Course type: **Online** (self-paced and live sessions)

*Participants  
will be awarded a  
Certificate of  
Completion upon  
successful completion  
of the  
programme*

## COURSE FEES

**Rs 2,500 for Indian participants**

**US \$50 for foreign participants**

**U**nlined and unscientifically designed landfills -- typically referred to as dumpsites -- can lead to irreversible environmental and health hazards, ranging from greenhouse gas emissions, groundwater and surface water pollution and air pollution, to surface fires. Old dumpsites, in fact, are a well-known source of dislocated pollution due to the generation of hazardous leachates and emissions.

To address this, there is an urgent need to reclaim these sites for building new scientific landfills for disposal of inerts and residual solid waste, as well as for increasing the life of the landfills (referred to as 'extending landfill capacity'). Also, the legacy waste buried in dumpsites must be treated and recycled for gainful applications.

The Swachh Bharat Mission 2.0 has given a clear mandate to all Urban Local Bodies (ULBs) in India to complete remediation of their existing dumpsites by 2023 (for cities with less than 10 lakh population) and by 2024 (for cities with more than 10 lakh population) in compliance with environmentally sustainable methods. The country is, therefore, going to take up this massive challenge to remediate more than 1,300 million tonnes of legacy waste in next two-three years. The technical capacity of the ULBs and other stakeholders would play a pivotal role in dealing with such a colossal volume, and to ensure that such dumpsites are not reborn.

Centre for Science and Environment (CSE) has been working on policy and implementation with regard to municipal solid waste (MSW) management at the regional, national and global levels. It recognises the need to adopt resource-efficient waste management regimes, based on which it has conceptualised this eight-day online training programme on Dumpsite Remediation and Landfill Management.

The objective of the course is to provide state-of-art knowledge in landfill design and operations as well technological and policy interventions in dumpsite remediation projects. The participants in the training will get an opportunity to gain knowledge on the various challenges in landfill management and dumpsite remediation in developing economies by subject experts and leading national and international solid waste practitioners. Speciality areas such as sustainable landfilling practice, landfill design and operation and landfill mining including feasibility, preliminary investigation, operation and management of landfill mining, and impact of landfill mining on sustainable waste management system will be extensively covered.

## Course Highlights

- Landfill siting, design and construction, and operation
- Concept of dumpsite remediation, biomining and bioremediation
- Case studies of dumpsite remediation and landfill mining (national and international perspectives)
- Zero-landfill city -- approaches and strategies
- Sustainable waste management (including recycling, composting and waste to energy) and waste economics including waste business development

## Who will the training benefit:

- Solid waste practitioners
- Academicians and students
- Solid waste experts
- Officials from various urban local bodies
- NGOs
- Waste management industry professionals

## FOR MORE DETAILS PLEASE CONTACT

**COURSE COORDINATOR**

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