

**Online Training Program on  
"Soil Quality Assessment and Land Management"**

*December 14-15, 2021*

**OBJECTIVES**

Land, a non-renewable resource, is central to all primary production system and its contamination has attracted considerable public attention in recent decades. Increase in industrialization / urbanization / agricultural practices and indiscriminate land use during the past several years has resulted in extensive degradation of forests, agricultural lands and biodiversity in India. Deforestation is a contributor to global warming and is cited as one of the major causes of the enhanced greenhouse gases. Deforestation also affects the water cycle, increases rates of soil erosion, by increasing the amount of runoff and reducing the protection of the soil from tree litter. Thus, there is a necessity to restore such degraded lands in forest and the restoration strategies must address soil structure, soil fertility, microbe populations, top soil management and nutrient cycling in order to return the land as closely as possible to its pristine condition and continue as a self-sustaining ecosystem. Thus, in order to preserve the biodiversity and the productivity of the land, control measures are to be taken in achieving the sustainable land use and management systems, to balance productivity and environmental protection. CSIR-NEERI has vast experience in the field of soil quality assessment and successfully implemented soil remediation technologies for various private, public and state / central government agencies in different parts of the country. The major objective of the training programme is to impart training on soil quality assessment and management of degraded land practices to make participants well acquainted with interpretation of data related to soil quality and land management practices to be adopted for restoration of biodiversity

**COURSE CONTENTS**

- Categories of Indian Soils.
- Collection, Preservation and Preparation of Soil Samples for Laboratory Analysis.
- Soil Quality Parameters: Physical, Chemical and Biological.
- QA/QC Procedure in Analysis, Accuracy, Precision and Concepts of Uncertainty Measurement.
- Preparation of Soil Test Report.
- Regulations for industrial land management
- Land Management - I (Case Study on Ecological Restoration of Mine Spoil Dumps)
- Land Management – II (Case study on Green Corridor for Eco-capital Built up)
- Land Management – III (Case study on Remediation of Contaminated Site)

**MODE OF TRAINING:** Online training through MS Team comprising Live lectures, Interactions, Q&A session, etc.

**REGISTRATION FEE**

- For Students (Graduate & above): **Free of Cost**  
(Application through Google Link:  
[https://docs.google.com/forms/d/e/1FAIpQLSedrBxKJcAYc4ZxbOsveRtGaHtb8PcXzJYVpH5VKc8e-3-VHw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSedrBxKJcAYc4ZxbOsveRtGaHtb8PcXzJYVpH5VKc8e-3-VHw/viewform?usp=sf_link))
- For Sponsored/Employed/Self Payment candidates, etc.: **Rs. 10,000/- (including GST)**
- **Fee will be paid online through SBI Collect link as mentioned below:**  
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>
- Instructions for remittance of fee through State Bank Collect is shown below:  
**State of Corporate / Institution:** "MAHARASHTRA"  
**Type of Corporate / Institution:** "GOVT. DEPARTMENT"  
**GOVT Department Name:** "NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE"  
**Payment Category:** "WEBINAR / TRAINING PROGRAM REGISTRATION FEE"

**NOTE:- Kindly send SBI Collect Fee receipt on email [hv\\_singh@neeri.res.in](mailto:hv_singh@neeri.res.in) for confirmation**

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

**LAST DATE OF REGISTRATION:** November 14,2021

DIRECTOR	MENTORS	PROGRAM CO-ORDINATOR	COURSE CO-ORDINATOR
Dr. S. Chandrasekhar Director	Dr. Sadhna Raylu Chief Scientist & Head, EMD Dr. Atul Vaidya Chief Scientist & Head, CHWMD	Dr. Harshvardhan Singh Senior Principal Scientist & Head, TSDD Email: <a href="mailto:hv_singh@neeri.res.in">hv_singh@neeri.res.in</a> Ph.0712-2249885 ext. 344 / 645	Dr. S.K. Singh Sr. Principal Scientist, SEAF Dr. Amit Bansiwala Sr. Principal Scientist & Head, SEAF