

**Online Training Program on
"Eco-rejuvenation of Fly Ash Dump using Bamboo Diversity for Pollution
Mitigation and Ecological Sustainability"**

December 23, 2021

OBJECTIVES

Assessing the risk to the environment and to human health from contamination, specifically in relation to source of contaminants, type, physical/chemical/microbiological, form, mobility, extent of contamination, significant pathways and their potential receptors. The main objectives are:

- Determination of the concentration and distribution pattern of contaminants in fly ash/ Earth subsidence.
- Evaluation the degree of fly ash site remediation on the basis of which the appropriate remediation strategy is preferred.
- Evaluation of selection of plants/bamboo species, amendments, biofertilizers and eco-rejuvenation plan on contaminated areas/fly ash dumped/overburden dumped/mine spoil areas
- Evaluation the role of bamboo species on contamination/fly ash dumped areas
- Evaluation the strategies for Eco-Rejuvenation of fly ash dumped areas and pollution mitigation

COURSE CONTENTS

- Characteristics of fly ash
- Selection of species on fly ash/over burden dump
- Characteristics/geology of overburden dump/mine dump
- Characteristics of bamboo/ plants
- Fly ash Pollution Mitigation and Control Systems
- Biodiversity assessment on fly ash dump
- Rhizospheric ecology on fly ash dump areas
- Soil/fly ash Quality Parameter, Soil/fly ash Erosion and Soil/fly ash/mine over burden dump Conservation Plans
- Bio-diversity studies for contaminated Ecosystems – before and after restoration
- Different techniques of Ecological restoration
- Eco-rejuvenation techniques/for contaminated areas/overburden dump/mine areas/pollution mitigation

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/1FAIpQLSf_zRBj8rIZ7sBM4rC9jCBHGRoJ3VrJNrCBWja9SEpTsBaw8w/vi/ewform?usp=sf_link)
- For Sponsored/Employed/Self Payment candidates, etc.: **Rs. 5,000/- (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 for confirmation

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

LAST DATE OF REGISTRATION: November 23,2021

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: hv_singh@neeri.res.in Ph.0712-2249885 ext. 344 / 645	Dr. Lal Singh Senior Scientist, EBGD