

ABOUT THE WORKSHOP

India is witnessing an unprecedented push towards remediation of legacy waste dumpsites through landfill mining (biomining). While several Urban Local Bodies (ULBs) have initiated large-scale landfill mining projects, significant environmental and regulatory challenges persist particularly in waste characterization, process optimization and safe utilization or disposal of reclaimed materials.

International Workshop on Landfill Mining of Legacy Waste (Geoenvironment-2026) is designed to address these challenges by disseminating state-of-the-art knowledge on both theoretical and practical aspects of landfill mining. The workshop will bring together leading academicians, researchers, industry professionals and policymakers to deliberate on recent advancements, field experiences, and future directions in landfill mining and dumpsite rehabilitation.

WHO SHOULD ATTEND

- ULB Officials and Engineers
- Environmental and Geotechnical Consultants
- Faculty Members, Researchers working in environmental, civil, and geoenvironmental engineering
- Policymakers and regulatory authorities

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Chief Patron

Director IIT Bhubaneswar
Dean, Continuing Education
Head of School of Infrastructure

Patrons

Convenor

Dr. Mohit Somani
School of Infrastructure, IIT Bhubaneswar

Co-Convenor

Organising Team

Dr. Manaswini Behera
Dr. Mohammad Masiur Rahaman
Dr. Rajeswari J S
Dr. Taratal Ghosh Mondal
Dr. Chaidul Haque Chaudhuri

REGISTRATION DETAILS

Category	Registration (On or before 05 th May 2026)			
	Registration Fee (Rs.) for Indian Delegate		Registration Fee (\$) for Foreign Delegate	
	On-line	Offline	On-line	Offline
Student (UG & PG)	1000	2000	100	150
PhD Student	2000	3000	150	200
Faculty/ Postdoc	2000	4000	200	250
Industry	3000	5000	200	250

GST 18% Extra on the registration fee for Indian Delegates and inclusive for foreign delegates

LAST DATE OF REGISTRATION: 05th MAY 2026

Participants can register and pay the fees through the following link: <https://sur.l.i/zxkhya>

After completing the payment, please fill out the Google Form to confirm your registration:

<https://forms.gle/riB1vAqt2jw8XTVL7>

ACCOMODATION per day charges (excluding GST)

Institute Guest House (A/C): Double bed room (Rs. 2400), Twin Bed room on sharing basis (Each Rs. 1200)

Hostel Guest Room: Rs. 1000 for A/C double bed, Rs. 600 for Non A/C double bed

Hostel Single Student Rooms (Non-A/C): Rs. 300 per room



GEOENVIRONMENT-2026 INTERNATIONAL WORKSHOP ON LANDFILL MINING OF LEGACY WASTE 22 - 23 MAY 2026 (HYBRID MODE)

Organized by
School of Infrastructure
Indian Institute of Technology
Bhubaneswar, Odisha, India



Invited Speakers



Prof. Roberto Raga
University of Padova, Italy

Prof. Manoj Datta
IIT Delhi, India

Prof. Ajay Kalamdhad
IIT Guwahati, India



Prof. Brajesh K Dubey
IIT Kharagpur

Prof. G V Ramana
IIT Delhi

Dr. Muthukkumaran K.,
NIT Trichy



Prof. Supriya Mohanty
IITBHU Varanasi

Prof. Mait Kriipsalu
EMU, Estonia

Mr. Himanshu Chaturvedi
Technical Director, KPMG

CONTACT:

Dr. Mohit Somani

School of Infrastructure, IIT Bhubaneswar,
Argul, Jatni, Khordha-752050, Odisha, India

Email: mohitsomani@iitbbs.ac.in

+91-674-713-6661 (O); +91-8765051324 (M)

THEMES

1. Global and Indian Scenario of Landfill Mining

Policies, guidelines, and regulatory challenges
International practices and Indian experience

2. Characterization of Legacy Waste and Mined Fractions

Physical, chemical, and geotechnical
characterization

Contaminants of concern and risk assessment

3. Processing, Performance Optimization & Emission Control

Screening, segregation, and process optimization
Leachate and gas management during mining
Odour, dust, and emission control strategies

4. Valorization and Safe Utilization of Recovered Materials

Soil-like material: reuse potential & limitations
Recyclables, RDF, and energy recovery
Treatment and stabilization techniques

5. Dumpsite Remediation, LCA & Future Directions

Site restoration and post-mining land use
LCA and sustainability evaluation
Emerging research areas and future roadmap

6. Alternatives to Landfill Mining

Microbial Methane Oxidation System - Global
Practice

Applicability in Indian Scenario

Panel Discussions

Theme: Future of Legacy Waste Management and
Landfill Remediation in India

ABOUT IIT BHUBANESWAR

The IIT Bhubaneswar campus is situated at the foot of Barunei Hill. Famous for its rich history of sustained resistance against the British occupation of KhurdaGarh, the last independent fort of India, and for the first freedom struggle in India, Barunei Hill is also a beautiful tourist spot.

The Ministry of Education of the Government of India founded the Indian Institute of Technology Bhubaneswar in 2008 as one of the eight IITs of the second generation. IIT Bhubaneswar is a lush campus with a 936-acre footprint. The site offers a singularly peaceful and unpolluted intellectual atmosphere.

IIT Bhubaneswar has seven academic schools which consists of Engineering, Science and Humanities departments. IIT Bhubaneswar offers B.Tech., M.Tech., MSc, MS, PhD and ITEP (BSc-BEd).

School of Infrastructures offers the courses in Civil Engineering.

PLACES TO VISIT NEAR IIT BHUBANESWAR

Post conference site seeing tours for the delegates and accompanying person shall be arranged on 24th May 2026. This may include the visit to the Golden Triangle of Odisha, i.e., Bhubaneswar-Konark-Puri. An additional nominal fee of Rs. 1000 per delegate and accompanying person will be charged towards transport arrangements.

