



भारतीयप्रौद्योगिकीसंस्थान (भारतीयखनिविद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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PRESS-RELEASE

IIT (ISM) Dhanbad to Host 35th National Convention of Mining Engineers and National Seminar on “Mining and Environment – Quo Vadis 2070”

Experts to deliberate on sustainable mining, environmental stewardship, and the future of mineral resource management

The Institution of Engineers (India), Dhanbad Local Centre, under the aegis of the Mining Engineering Division Board (IEI), in association with IIT (ISM) Dhanbad, Directorate General of Mines Safety (DGMS), and CSIR–Central Institute of Mining and Fuel Research (CIMFR), is set to organize the **35th National Convention of Mining Engineers and National Seminar on “Mining and Environment – Quo Vadis 2070”** on **November 7 and 8, 2025**, at IIT (ISM) Dhanbad.

The two-day national event will bring together leading experts, policymakers, academicians, researchers, and industry professionals from across India to deliberate on the future of mining and its alignment with environmental sustainability over the next five decades.

The central theme, “*Mining and Environment – Quo Vadis 2070*,” envisions the evolution of the mining sector amid growing global demand for critical minerals, decarbonization goals, and sustainable development imperatives. Discussions will explore how technological advancements, innovative policy frameworks, and community participation can redefine mining practices for a harmonious coexistence between industry and nature by 2070.

Speaking about the upcoming event, **Prof. Biswajit Paul**, Honorary Secretary, IEI Dhanbad Local Centre, and faculty at the **Department of Environmental Science and Engineering, IIT (ISM) Dhanbad**, said:

“The convention aims to foster a multi-disciplinary dialogue on the transition of India’s mining industry toward a sustainable and environmentally conscious future. We hope to draw actionable insights on balancing economic aspirations with ecological preservation through technological innovations and inclusive policy reforms.”

The seminar will also retrospect on **a century of mining education and technological transformation in India**, highlighting IIT (ISM) Dhanbad’s pivotal role in shaping the nation’s mining and mineral research ecosystem.

Key sub-themes to be discussed include:

- **New Mining Frontiers:** Advances in automation, robotics, digitalization, and sustainable resource extraction methods.
- **Critical and Strategic Minerals:** Exploration, beneficiation, and indigenous potential.
- **Regulatory and Policy Frameworks:** Environmental clearances, occupational health, and mine safety.
- **Sustainable Mining Practices:** Decarbonization, mine closure, water management, circular economy, and just transition strategies.
- **Human Resource Development:** Mining education reforms, skill development, and fostering diversity and inclusion in the mining sector.

Experts from DGMS, CIMFR, academic institutions, and industry will contribute insights into sustainable mining innovations, regulatory trends, and global climate resilience strategies. The event also aims to ignite critical conversations around India’s role in ensuring a responsible, technology-driven mining future aligned with environmental commitments and energy transition goals.

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