

THEMATIC AREAS FOR INDIA MINING WEEK 2026

Vision Statement – “Mineral Wealth Must Become a New Engine of Growth”

01 | MINING 5.0, TECHNOLOGY & INNOVATION

- Information Technology (IT) and Operational Technology (OT) convergence
- Next-Generation Mining Technologies: IoT, Data Analytics & Digital Twins
- Smart & Digital Mining : AI, Automation, Robotics & Autonomous Operations
- Drones, Remote Sensing & Geospatial Technologies
- Human-AI collaboration and intelligent standard operating procedures
- AI as an enterprise cognitive backbone
- Exploration - Redefining Role of Geo-science in Mining & Mineral Sector
- Deep & Underground Mining Technologies
- Technology Transfer – From Lab to Mine

02 | CRITICAL MINERALS, URBAN MINING & STRATEGIC CORRIDORS

- National Critical Mineral Mission (NCMM)
- Integrated Rare Earth Corridors for coastal industrial clusters
- Urban Mining incentive schemes for e-waste mineral recovery
- Developing Critical Minerals Value Chain for a Sustainable Future
- Exploration & Resource Development – Strategic & Critical Mineral, REEs
- Private participation via new Exploration Licences (EL)
- Critical Mineral Value Chains- Processing, Beneficiation, Recovery & End Use
- Circular Economy in Mines & Mineral Sector
- Strategy to secure International Assets - Strategic Materials & Mineral Security
- Blue Economy - Marine mineral wealth, Securing critical minerals
- Recycling Boost, Innovation, Infrastructure Readiness

03 | MINE CLOSURE, RECLAMATION & REPURPOSING

- Scientific Mine Closure, Progressive Reclamation
- Post-Mining Land Use, Repurposing of Mining Assets & Voids
- Community Transition & Mine Closure Planning, From Closure to Legacy

04 | COAL TO CLEAN ENERGY

- National Coking Coal Mission, National Steel Mission, Coal Washeries
- Coal Bed Methane (CBM), Coal-to-Chemicals, Hydrogen Economy
- Carbon Capture, Utilisation & Storage (CCUS), Cleaner Coal Technologies
- National Coal Gasification Mission - Underground & Surface Coal Gasification

05 | SAFETY, HEALTH & FUTURE WORKFORCE

- Mine Safety & Risk Management, Occupational Health & Worker Well-being
- Zero-Harm Mining, Future Skills for Mining - Mining Education & Industry Alignment
- Women in Mining: Breaking the Barrier

06 | COMMUNITIES & INCLUSIVE DEVELOPMENT

- Just Transition, Community Engagement, Mining & Local Economic Development
- District Mineral Foundation (DMF), CSR & Shared Value
- Commitment to Welfare of Mining-Affected Communities

07 | MINING OPERATIONS & CRITICAL INFRASTRUCTURE

- Opencast, Punch Entry, Longwall, Highwall, Dredging and any other mining operations
- Mine Planning & Optimisation including Mineral Transportation & Logistics
- Re-opening of Mines
- Mining Infrastructure & Industrial Parks
- Operational Excellence & Productivity

08 | POLICY, GOVERNANCE & GLOBAL COLLABORATION

- Regulatory framework in Coal and Mineral Mining framework
- Mining Laws, Policies & Governance, Responsible Mineral Governance
- International Cooperation in REEs, Critical Mineral & Mineral Processing
- Ease of Doing Business & Regulatory Innovation

09 | SUSTAINABLE & RESPONSIBLE MINING

- Sustainable Mining Practices, International Standards & Reporting,
- ESG & Responsible Mining, Climate-Resilient & Low-Carbon Mining
- Mine Environment & Environmental Management, Biodiversity & Resource Conservation,
- Decarbonisation & Carbon Management, Renewable Energy Integration in Mining

10 | INVESTMENT, FINANCE & COMMERCIALISATION

- Financing Mining & Critical Mineral Projects
- Innovative Financing Models
- Mining Investment & Project Development - Venture Capital & Mining Innovation
- Technology Commercialisation - Startup & Innovation Ecosystems

11 | FISCAL CERTAINTY & REGULATORY PREDICTABILITY

- Implementation of a uniform, centre-directed tax framework.
- Mitigation of retrospective tax risks for private miners.
- Policy incentives to attract private junior exploration risk capital

12 | WATER GOVERNANCE & CLIMATE-INDUCED SCARCITY

- Advanced mine tailings dewatering and water recycling systems.
- Risk mitigation for water-stressed mining industrial blocks.
- Collaborative hydro-resource sharing with mining-affected communities.

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