Introduction

Mining sector is one of the vital cogs in the state and national economy and it generates wealth in direct & indirect ways. However, it's unregulated and unscientific mining has devastating impact not only on natural systems (soils, water, air, and flora & fauna), threatens adjoining communities and aggravates occupational hazards. The cumulative negative impact is felt on degraded biodiversity.

The industry has direct and indirect impact on local environment & weather conditions, eventually contributing to long-term climate change. The present situation calls for new set of management practices, adaptation of environment friendly, and climate resilient appropriate technologies.

Mining operations have bearing on 9 Sustainable Development Goals (SDGs), particularly emphasizing on goal 3, 6, 7, 12, 13 and 17. The proposed training program aims to bring out strategies for sustainable mining falling in tune with SDGs.

Objectives

The Objective of this programme is to

1. Understand impact of unrelated mining on natural systems (Biodiversity) including human health.
2. Bring out clarity on mining – environment – Climate Change dynamic relation.
3. Identify alternative technological solutions to address critical challenges.
4. Integrate Principles and practices of sustainable mining.

Course Coverage

This programme is designed to cover broadly the following topics.

- Historical perspectives of mining industry
- Impact of mining on biodiversity including human health.
- Impact of mining on local environment, weather conditions etc.
- Critical environment and Climate Change Challenges.
- Climate adaptive – application of bio-engineering technologies to address pollution challenges.
- Establishment of measurable climate and sustainable development indicators.
- Application of principles and practices of sustainable development in mining sector.
- Case studies.
**Methodology**

Methodology of the programme includes classroom Sessions with Lectures/discussions, with audio visual aid; bench-marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

**Target Participants**

The programme is intended for Higher and Middle level executives of Mining industry, Mineral development corporations, Faculty from academic institutions and Independents Professionals / Consultants.

**Programme Dates & Timings**

Dates: 22 – 24 January 2024 & Timings: 10 AM Onwards.

**Course Director**

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**Faculty/Speaker Details**

Apart from the core internal faculty, Experienced Professionals/Faculties/Sector experts will be delivering the lively lecture with practical knowledge & case study.

**Course Fee**

- **Residential Fee** – Rs. 16,000/- (Rupees Sixteen Thousand only) per participant. Fee includes course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme. ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)

- **Non-Residential Fee**: 10% discount on course fee is allowed for non-residential participants

- **Group Incentive**: 10% discount for five or more participants, if sponsored by the same Organization

GST @18% is to be paid extra over and above the training fee. PAN Card No. AAATT3439Q. GST No: 36AAATT3439Q12V, HS No.: 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “THE INSTITUTION OF ENGINEERS (INDIA)IE(I) – ENGINEERING STAFF COLLEGE OF INDIA” in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by Electronic Fund Transfer (EFT) to ESCI – SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/RTGS. IFSC Code No. SBIN 0004159 – MICR No.500002075. PAN Card No AAATT3439Q; GSTIN No. 36AAATT3439Q12V. While using EFT method of payment, please ensure to communicate us your company name, Contact details, our invoice reference and programme title. Kindly provide your organization GSTIN No. along with your nominations

**Registration**

Online registration shall be available on ESCI web portal: www.escihyd.org;  
To register manually please send your nominations giving details of name, designation, organization name, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to: Course Director

A Certificate of participation will be awarded to each participant on conclusion of the programme.