



Engineering Staff College of India

Mining Division



3–Day Continuing Professional Development Programme

Residential/Classroom

“Effective Technical & Managerial Skills for Overman, Foremen, Electrical Supervisors, Electrical & Mechanical Chargehands in Mining Industry”

8 – 10 January 2025

Introduction

The supervisory staff are the key to organizational success. Thus, equipping the supervisory staff with the skills required for the jobs of today and those of tomorrow is a strategic concern for mining organization and in the national growth and development to meet the challenges of fostering strong, sustainable and balanced growth of the vital mineral sector.

Objectives

The programme is designed to develop the capacity of Overmen, Foremen, Electrical Supervisors & Mechanical Chargehands in the mining industry with technical and managerial skills essential for operational excellence. This includes enhancing their knowledge of mining equipment maintenance, monitoring, and techniques and leadership and decision-making abilities for effective team coordination and supervision; and instilling safety management practices to ensure compliance with industry standards. The program aims to improve problem-solving and resource management capabilities, enabling these professionals to optimize productivity and ensure smooth operations in challenging mining environments.

Benefits to the participant

The structure and contents are aimed at understanding the challenges posed by the current process of technical, economic, social in order to equip the supervisors to fulfil their role. They would be made aware of the current challenges the mining industry is facing rising energy costs, social risks, infrastructure limitations and resource crunch which put mining companies under exceptional pressures to control costs, enhance efficiency and improve safety performance and better health & welfare measures of employees to learn and understand what a supervisory needs to know and needs to do under these challenges.

The theme is with critical expertise to enhance operational efficiency, safety, and team performance. By integrating technical knowledge with managerial skills, It empowers them to address technical challenges, ensure regulatory compliance, and cultivate cohesive teams that prioritize safety and productivity, ultimately contributing to a more sustainable and competitive mining operation.

Course Coverage

- Brief about various Technology in Mining Industry
- Occupational Safety & Health ,Safety Management Plans
- Slope & Dump Management, Haul Roads ,Tyre Care
- Safe Operations of HEMM, Electrical Equipment
- Environmental & Social Challenges
- Drilling & Blasting
- Optimisation of Resources
- Mine Legislation & Management of Mines
- Personality Development & Soft Skills-Communication, Team Building, Stress Management
- ISO-9001,14001,45001, 50001

Methodology

The training programme would be delivered in classroom mode and would primarily make use of lectures and presentations and sharing of experience.

Resource Persons

The faculty consists of experts from the industry, training institutes, research establishments and

academia besides in-house faculty of ESCI.

Target Participants

This programme would be pertinent to mining, mechanical, electrical foremen/overmen and other technical staff in mines

Programme Dates & Timings

8 – 10 January 2025

10.00 a.m. - 5.30 p.m. each day.

Course Fees:

- **Residential: INR 21,000/-** (Rupees Twenty one Thousand only) per participant which includes course- kit, twin-sharing AC accommodation, breakfast, lunch, dinner, tea and snacks during the actual days of training programme..
- **Non-Residential: INR 15,000/-** (Rupees Fifteen thousand only) per participant which includes course-kit, lunch, tea and snacks during the actual days of training programme.
- **GST @18% is to be paid extra over and above the course fee**
- **Special concession of 10% in course fees to organization for 5 or more delegates attending the programme.**
- ESCI provides complimentary accommodation to participants a day prior to the commencement of training programme and a day after the conclusion of the programme (check in & check out at 12:00 noon respectively).
- Overstay charges will be @Rs.2500 per participant per day .

PAN: AAATT3439Q, GST No: 36AAATT3439Q1ZV, HS No.: 999293 (under commercial training or coaching services – clause 65(105) (ZCC) of Finance act – 1994).

Course fee is to be paid in favour of “**THE I.E. (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. 33705165550 with State Bank of India, Manikonda Branch, Door No.2-30/1, Indira Nagar, Gachibowli, Hyderabad – 500032, our NEFT/RTGS/IFSC Code No. SBIN0011076 – MICR No. 500002107.** *While using EFT method of payment, please ensure to communicate your company name, contact details, our invoice reference and programme title.*

Registration

To register, please send your nominations by providing name, designation, contact address, email address, mobile no, telephone of the participant along with the details of mode of payment of fee, addressed to: mining@escihyd.org.

Certification

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

Profile of Expert Speakers



Dr. H. Sarvothaman functioned in different scientific capacities in Geological Survey of India in many places of India before retiring as Deputy Director-General. He conducted Geological Mapping and Mineral Exploration for tungsten, graphite and limestone, besides other research activities of GSI.

He authored 4 (four) books. 1. WATER: Resource Augmentation, Management & Policies; 2. Disaster Management: Engineering & Environmental Aspects; 3. Environment Science—Issues & Solutions .4. Disasters and Hazards: Risk Reduction, Mitigation and Management. These books are used as text books in Universities, libraries and references.

Currently, he is (i) Visiting Faculty in the Earth Science Department of University of Hyderabad; (ii) Member, Training Quality Improvement in Centres for Agrarian Studies (CAS) and Natural Resources Management (CNRM), NIRD&PR, Hyderabad; (iii) Guest Faculty in GSI Training Institute, Hyderabad and Badruka College, Hyderabad; and (vi) Treasurer, Vivekananda Educational Centre, an NGO managing Vivekananda Public School for the economically and socially downtrodden students.



Mr V Lakshmi Narayana obtained Diploma in Mining Engineering in 1977 and graduated in Mining Engineering from University of Jodhpur, Rajasthan in 1982. He obtained ME (OCM), MCA, M.Sc.in Yoga (2010, Annamalai University), PGD in Materials Management (1987) and Diploma in Naturopathy. He is holder of First Class Manager's Certificate in Coal and Metal. He is a Fellow, Institution of Engineers (2009) and life member of the Mining Engineers' Association of India (1997). He is the holder of Medallion in First-Aid and was active Rescue Trained Person. He is a recipient of "Eminent Mining Engineer" award from IEI in 2014. The Indian Mining & Engineering Journal gave Life Time Achievement Award to him in recognition of outstanding contribution to Indian Mining Industry in

He joined as Mining Graduate Trainee in SCCL in March, 1982 and rose to the position as Colliery Manager and later joined DGMS as Dy. Director in 1990 and superannuated as Dy. Director General in 2017.

He authored no. of articles on Mining Legislation, Safety Management System, Blasting, Mine Environment, Opencast Mining, Zero harm status, thick seam mining, Slope stability, Accident control etc., and presented in National & International Seminars. He visited Australia in 1998 and USA in 2008 and undergone specialized training in Safety Management System, Long wall Mining and extraction of coal by Continuous Miner.

He is founder president of Yoga Professionals Association, Hyderabad.



Mr G L Kanta Rao Graduated in B-Tech in Electrical Engineering, from JNTU, Kakinada in the year 1980-81. As a practicing Engineer, worked in Hindustan Zinc Limited, Sargipali Mines, Orissa, for about 12 ½ years and rose to the position of Manager (Elect) providing support to engineering, technical and other varied aspects to an underground semi-mechanized lead mine deploying SDL, winders, crushers and rock breakers, locomotives etc. Thereafter joined DGMS initially as Deputy Director of Mines safety (Elect) in 1995 and superannuated as Deputy Director General of Mines Safety during in 2018 after a meritorious service of 23 years involved in statutory inspections and accident enquiries in coal, non-coal and oil mines across different parts of India.

As DDG (Elect) and authorized Chief Electrical Inspector of Mines was associated as member of various committees (CEA, Govt. of India and BIS) to bring in amendments, evaluations etc., in relation to the subject of mines.

Presently, he is conducting technical safety audits of mines of HINDALCO (Orissa), JSW (Orissa) and HZL, Rajasthan as and when services are sought for.

As a nominated member on "HIGH LEVEL EXPERT COMMITTEE ON SAFETY" of coal mines under Ministry of Coal, Govt. of India he is extending required advisory services and guidance in respect of safety to different identified mines under Ministry of Coal, Government of India. Some of the recommendations are Root cause analysis, as part of SMP, for accidents, internal and external safety audits by professionally trained and accredited trainers as envisaged in SMP and under consideration by MoC, Government of India.



Prof. Dr. S. Altaf Hussain did his B.Tech in Chemical Engg from NIT Warangal, subsequently pursued, M.Tech in Environmental Management from JNTU, Hyderabad, and then did his Ph.D in Chemical Engineering from IIT Delhi & JNTUA, Anantapur.

He is also enriched with Professional degrees like Diploma in Industrial Safety as well as Master of Human Resource Management, from Annamalai University; and has been the member of several professional bodies. Dr. Altaf Hussain, started his career as Assistant Professor, at Padmasri B.V.Raju Institute of Technology, a subsidiary of Raasi Cements and Vishnu Cements, and subsequently grown up to the level of Professor, HOD and Director of Research & Consultancy, and extended consultancy services to more than 50 companies in India and abroad.

After serving 18+ years, he shifted to Lords Institute of Engineering & Technology, Hyderabad as the Principal, in the year 2016, subsequently elevated to Director in the year 2018.

Dr. Altaf Hussain has rendered several consultancy assignments in India and abroad, Significant projects include Dr. Reddy's labs of Rs. 2.3 crores, Aurobindo Pharma Ltd., of 20 Lakhs, Fahad Al Arzi group of Industries Saudi Arabia of 20 Lakhs, Tata Iron & Steel Company Ltd., Jamshedpur, popularly known as TISCO, of 2.5 crores.

Dr. Altaf Hussain has 2 patents and 5 patents in pipe line. He has published more than 30 publications in National and International Journals. He has published six books. Some of his important books and publications include: (1). Sound Health Management, (2). Standard Operating Procedure for Learning (3). Chemical Engineering Yoga (4). Human Excellent Index (5). Academic Excellence in Engineering Education (6) Editor of Enpsyclopaedic Dictionary of Chemistry

His Hobbies are Teaching, Investigation, Social Service.



Mr. P Mohan Kumar Gandhi did his graduation in Commerce from SV University Thirupati and later did Post Graduation in Business Management (PGDBM) from National Productivity Council. (Year -1987). He has over 25 years of working experience of serving in various organizations. He started his career as Medical Representative with Kanpha Labs (Karnataka Pharma) and served there for over 4 years. He later switched over to Journalism (in the year 1990) and served in both print and electronic Media. He joined EENADU daily newspaper and also worked with ETV. During this period he wrote many articles in News Paper and interviewed some of the well-known personalities of India.



Dr. C. S. Krishna Prasada Rao is a B.E in Mechanical Engineering from University College of Engineering Osmania University, Post Graduate in Tool Engineering from National Institute and M.Tech from JNTU Hyderabad. He did his Ph.D in the area of advanced metal forming science from O U. He joined Tata Engineering and Locomotive Co. Ltd as Asst. Engineer and rose to the level of Sr. Engineer and served the Organisation for 7 Years. Later he joined Bharat Dynamics Ltd, Ministry of Defence and superannuation as General Manager. He has published and presented 70 Research papers in Journals. He has prepared a Compendium on Technologies in BDL. He was awarded Engineer of the Year award, Bharat Ratna Sir MV award by Institution of Engineers (India) and Govt. of AP. He has received "UDYOG RATNA" award from Delhi Telugu Academy International Org. His name is figured in Asian Book of Records for outstanding contribution. He is a member of SAE (USA), MIAE (Hongkong), MISTE, MINVEST, MIISM, FIE, Life member TSI, ASCI.



Kandi Sandeep Reddy He holds a Bachelor's Degree in Mining Engineering, earning the title of University Gold medallist during the academic year 2014-2015 affiliated with JNTUH University and holds Master of Technology (By Research) in Rock Excavation Technology and Management from the National Institute of Technology Karnataka, Surathkal. With five years of experience as an Assistant Professor in the Department of Mining Engineering at Acharya Institute of Technology, Bangalore, and cultivated expertise in various aspects of mining engineering, including strata control, supporting systems, rock mechanics, applied mine surveying, mine safety management, and mine environment. Presently, he serves as the Manager Tech Support at Uttam Blastech Private Limited.



Mr P Kumar graduated in B.Tech (Mech) from NIT, Calicut, Kerala, M.Tech (I.C Engines and Gas Turbines) from NIT, Warangal, Telangana, M.B.A (Marketing) from IGNOU, FIE - The Institute of Engineers (India) and SMIIE - Sr. Member in Indian Institute of Industrial Engineering

He worked in Opencast Projects in fields of erection, commissioning, maintenance of various models and capacities of HEMM and as TPM coordinator. He worked as Executive Director to Radials International (Michelin Tyres).



Ms. Sirisha Indukuri is a sociologist with over fourteen years of work experience that combines research and practice in the field of sustainable development in India. She has worked at N R Management Consultants India Private Ltd, The Energy and Resources Institute, and has been commissioned as a consultant and fellow by the Ministry of Rural Development-Government of India, Delhi University-UN Women and others. She is a resource person for post-graduate students and imparted training to public sector trainees and in-service officers on environmental policy, conservation and development, social impact assessment, among other themes. The thematic areas of her work include natural resource management, climate change, livelihoods, where she focuses on the governance, institutional, community and gender dimensions. On-the-ground, she has worked with a range of stakeholders, from local communities to policy and decision makers to civil society actors and private players.



Gorle Appa Rao, M.A., C.A.L.L.B. Retired as Asst. General Manager from The Corporation Bank, with 39 years of unblemished service. Delivered lectures on Stress Management and Personality Development. .



Mr Ankem V R N B Manikyala Rao is an engineering graduate in Electrical and electronics engineering with specialization in M Tech Power systems. Completed MBA in operations management and presently pursuing Ph.D. on optimization of renewable energy integrated with cogeneration systems. Have 34 years of industrial experience in CHP plants including coal handling systems and process chemical industries of department of atomic energy. Looked after safety of the electrical systems and worked as a designated safety officer to fulfill the statutory requirements of CEA guidelines. Carried out the safety audits to fulfill the statutory requirements and to enhance the safety. Being a certified energy auditor carried out energy audits in thermal power plants and chemical industries.



Er K J Amarnath a Gold Medalist, in BE (Mining Engineering) from College of Engineering, Osmania University, Hyderabad. He retired as Chief General Manager from The Singareni Collieries Company Ltd. (A Government Company) after rendering a meritorious service of about 38 years in various capacities in Underground and Opencast Technology in Planning & Operations, Human Resource Development, Business Development, Education, Safety, Corporate Planning and Projects. Further, he was Director in NSGPVL, A Joint Venture Company of NTPC Ltd, A Central Government PSU and The Singareni Collieries Company Ltd, A Government Company.

He visited the United Kingdom, Spain, United States of America & Australia which enhanced his Technical, Managerial & Business Skills. He is also a holder of First Class Manager's Certificate of Competency issued by The Director General of Mines Safety, Ministry of Labour, Government of India. He is a Fellow of Institution of Engineers (FIE) and Life Member of Institution of Engineers, MEAI (Mining Engineers' Association of India), Vice-Chairman of MGMI (Mining, Geology, Metallurgical Association of India),Hyderabad Chapter and Vice-President of The Alumni of Mining Engineers' Association (Osmania University)

Presently he is working as Senior Faculty-Head, Mining Division, Engineering Staff College of India, Hyderabad.

Contact Persons

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