

INTRODUCTION

For the economic growth of the country, development of mining and allied industries in a sustainable manner is imperative. Today Mine Managers are facing challenging task of managing mines with emphasis on high production and productivity with due consideration to safety, environment and legislative constraints. The managers need to be trained and updated in understanding management issues, conflict resolution mechanisms in view of paradigm shift in mining from production and economic orientation to safe and eco-friendly approaches. Besides CSR and mine closure issues have gained significant attention from compliance point of view. Driving force behind such changes are stringent legislations; global environmental issues; demand for better work environment for employees; customers' demands; company's image as well as the growing pressure from all stakeholders regarding the environmental and social responsibilities and obligations. Environmental considerations are no longer treated on ad-hoc basis; rather environmental sustainability has become a prime objective of industries' everyday reality and industries are spending substantial resources for better environmental pollution control and legal compliance. It is felt that there is urgent need of developing trained manpower in the public and private sector in the state-of-the-art managerial techniques, legislative issues and safety practices to achieve targeted production and productivity in mines with proper safety and environmental compliance.

SCOPE OF THE COURSE

The course has been structured and aimed at updating and upgrading the conceptual and applied knowledge and skill of the participants in the field of Mine Management, critical issues of Mine Legislation and Mine Safety so that mining can be done in cost effective, scientific and objective manner and ensure sustainable industrial growth of the country.

It is expected that the participants from different industries, academic institutions, R&D organizations, as well as professional engineers preparing for FCC will be highly benefited by the course.

COURSE CONTENTS

- Mine Management
- Personal Management and Organizational behavior; Leadership, conflict; motivation; communication.
- Production Management: production planning; scheduling and control; productivity.
- Financial Management: Capital budgeting techniques, cost control; working capital management.
- Environmental Management: EIA, EMP; Mine Closure Plan; R&R (rehabilitation and resettlement).
- Corporate Social Responsibility (CSR).
- Materials Management
- Mine Legislation: Critical appraisal of The Mines Act, 1952; Mines Rules, 1955; Coal Mine Regulation, 1957; Mines Rescue Rules, 1985 and provisions of Indian Electricity Rules
- General Safety in Mines
- Safety in Mines: Notified and occupational diseases, Accidents: classification; accident statistics; frequency rate and severity rates; analysis; investigations and reporting; Case studies.
- TRAP, ISO and Safety Audit, Safety Management
- Risk Management: Safety Risk Assessment and Management
- Disaster management; Emergency services, equipments and procedures; mine rescue and resuscitation, First aid

FACULTY

The course will be offered by the faculty members of NIT Rourkela. Experts from other academic institutions, DGMS and CIL etc may be invited to share their latest research findings with the participants.

REGISTRATION AND FEE PARTICULARS

Applications in prescribed format and the course fee in the form of demand draft drawn in favour of "Continuing Education, NIT, Rourkela" payable at SBI,NIT Branch, Rourkela-8(Code-2109) in Rourkela must reach the coordinator on or before **30th September, 2013**

COURSE FEE

Employees from Industry/Academic - Rs. 15,000
R&D Organization /Self sponsored

Boarding and lodging arranged shall be made at NIT guest house. Accommodation will be provided in Institute Guest House/Visitor's House on Twin-sharing basis on prior request. Transport arrangements shall be made by the participants. The selected participants will be informed latest by **5th October, 2013**.

Executive Development Program on

MINE MANAGEMENT, LEGISLATION AND GENERAL SAFETY

October 15-21, 2013

REGISTRATION FORM

1. Name:
2. Designation:
3. Mailing Address:
Telephone no.:
Mobile no.:
E-mail:
Fax:
4. Organization:
5. Academic Qualification:
Experience (in years):
Teaching:
Industrial:
6. Registration Fees:
Amount: Rs.
DD No. and Date:
Drawn on: Branch:
7. Accommodation Required: Yes/No.

Date

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms..... is an employee of our institute/organization and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course at NIT, Rourkela during **October 15-21, 2013** if selected.

Signature with Date & Seal
of Sponsoring Authority

The duly sponsored application should be mailed to:

Dr. D. P. Tripathy

Professor

Department of Mining Engineering,
National Institute of Technology
Rourkela-769008.

Odisha

Tel: 0661-2462608

Fax No. 0661-2462601/2472926, 2462999

E-mail: debi_tripathv@yahoo.co.in,

dptripathv@nitrkl.ac.in

Website: www.nitrkl.ac.in



ABOUT NIT, ROURKELA, ORISSA

National Institute of Technology (NIT), Rourkela was founded as Regional Engineering College, Rourkela in 1961. It is a prestigious Institute with a reputation for excellence at both undergraduate and postgraduate levels, fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied

The city of Rourkela is a bustling industrial town, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery on all sides, NIT campus is approximately 7km from Rourkela railway station. Rourkela is also connected by Air via Ranchi and Kolkata.

DEPARTMENT OF MINING ENGINEERING

The Department has well qualified staff dedicated to applied research in the field of Mine Environment, Coal Mining Technology, Safety Engineering and Geomechanics. Laboratories are equipped with modern and sophisticated instruments in the areas of Mine Environment, Rock Mechanics, Mining Machinery, Mine Safety Engineering and Mine Surveying, Mining Geology / Geophysics coupled with adequate computing facilities with the state-of-the-art softwares e.g. SURPAC, FLAC-2D, 3D, UDEC, LABVIEW etc. An all round development of student is aimed at with emphasis on the applied aspects of Mining Engineering through practical training, project, seminars, camps and field work.

COURSE COORDINATOR

Dr. D. P. Tripathy

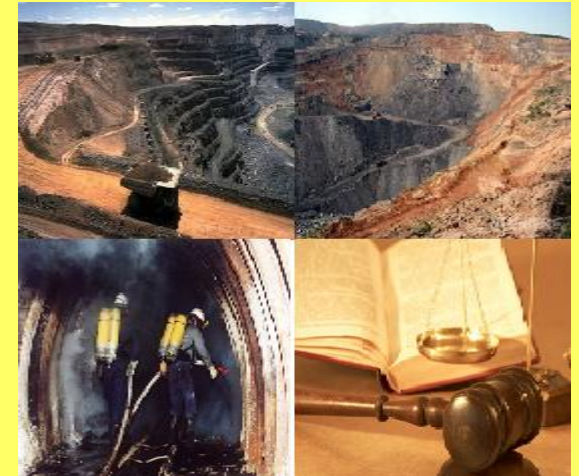
Professor

Department of Mining Engineering,
National Institute of Technology
Rourkela-769008.

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