

**DEPARTMENT OF MINING ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY  
KHARAGPUR-721302  
WEST BENGAL**

Course No: IIT/CEP/STC/SS/2019-2020/MI/

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**One Week Short Term Course on  
MINING TECHNOLOGY, SAFETY, LEGISLATION INCLUDING THE  
LATEST AMENDMENT  
(FROM 08.09.2020 - 12.09.2020)**

**Objective**

Mining is a hazardous occupation. The hazards include roof failure, support failure, slope failure, subsidence, air blast, methane and coal dust explosion, mines fire, inundation, equipment failure, blasting oriented hazards etc. The mining operations have direct implications on the safety, health and well being of the mining personnel and indirectly on the production and productivity of the mines. Recently mechanization and automation advancement is showing a rising trend right from the mining to the processing areas but at the same time we can not ignore unscientific mining practices in many underground and opencast mines in India and also the present density of accidents. To provide a safe, disaster less and healthy working environment, maintenance of a higher safety standards in the mines are very urgently necessary in India and it must match the level acceptable internationally.

Beside these a huge number of new thoughts, modern opencast and underground mining technology, new rules and regulations including latest amendment with reasons on mining technology and safety during mining operations are coming up regularly. Dissipation of such knowledge to the mining personnel is absolutely necessary for their awareness and implementation in their respective mines for achieving higher production and productivity and also to achieve "Zero Accident Potentiality". Under such a background the Department of Mining Engineering of Indian Institute of Technology, Kharagpur designed this one week short term course on **Mining Technology, Safety, Legislation including the Latest Amendment**, which tailored to cover up various emerging thrust areas of mining technology, accident prevention, safety and related areas as mentioned in the course structure.

This course shall definitely benefit heavily the total mining community as a whole (For both metal and coal mines).

**The Course Structure**

Status of safety in mining and future scenario, new scientific and modern mining technology both for opencast and underground mining system including various problems, accidents, hazards and their mitigation, safety, safety management system, risk management, adequacy in mining legislations and suggestions, latest amended legislation, safety in underground and opencast mining equipment, modern blasting techniques, safety in working environment, accidents, disasters etc.

### **Methodology and Faculty**

The program will consist of lectures, practical and group discussion. Faculty will include faculty of IIT, Kharagpur, DGMS and other organizations.

### **Course Coordinator**

Prof. (Dr.) Samir Kumar Das

Ph.D., M.Tech. (Mining), B.Tech. (Mining)

PGDHRM, F.C.C. (Coal), FIE, MMGI, MMEA

Professor & Former Head, Dept. of Mining Engineering, IIT Kharagpur -721302, West Bengal, India

Former Director, NIT Jalandhar, Panjab

Former Director (Actg.), NITTTR Chandigarh, Punjab

Former Professor and Head, Dept. of Mining Engg., The Papua New Guinea University of Technology

Former Executive Coal India Ltd.

### **Venue**

Golden Jubilee Seminar Hall, Department of Mining Engineering, Indian Institute of Technology, Kharagpur -721302, West Bengal, India. Participants should report preferably by evening of 07.09.2020 in the **Technology Guest House**. Course commences at 8:00 A.M on 08.09.2020.

### **Eligibility**

Executives of all mining and allied industries, DGMS, faculty members of universities, institutions, officers of the Government organization, candidates appearing for First and Second class Mines Managership examinations, etc.

### **Course Fee and Registration**

Mining and allied industries, educational institutions, CMPDIL, mining equipment manufacturing companies, DGMS, other Government establishments, etc are requested to send the name of candidates including their designation, email address, mobile no., etc. along with the Course fees of **Rs 35000/- per head by demand draft in favour of "CEP-STC, IIT Kharagpur" payable at SBI, Kharagpur, Code 0202 or you may also pay the course fee through e-payment in A/C Name: CEP-STC, A/C No.: 95562200002955, Name of the Bank: Syndicate Bank, SRIC, IIT Kharagpur, IFS Code: SYNB0009556, SWIFT: SYNBINBB120. Please don't deduct any TDS. For this if you want I can send you a copy of TDS exemption letter.** The last date of receipt of nomination cum course fees is 01.09.2020. **Note: Cheque will not be accepted and after online transaction of the course fees kindly arrange to intimate the same with details to the course coordinator.**

It is a **non-residential course**, however boarding and lodging facilities may be arranged at **Technology Guest House of IIT Kharagpur** on request by the participants/companies/organizations on nominal payment basis by the course participants.

One Grand course dinner, tea/coffee along with snacks, etc will be provided at the free of cost during the class hours.

Please rush your nomination to Prof. (Dr.) Samir Kumar Das.

(Samir Kumar Das)

Course Coordinator