



Department of Mining Machinery Engineering  
Indian Institute of Technology (Indian School of Mines), Dhanbad

Five days Short Course on

## **MINE ELECTRICAL ENGINEERING**

### **Objectives:**

- To provide state-of-the-art knowledge on electrical details of underground mines and its equipment
- To provide awareness of the electrical hazards that can exist in coal and metal (underground) mines.
- To reinforce basic electrical safety concepts.

### **Target Participants:**

- Practicing Engineers and Managers in mines

### **Course Contents:**

- **Electrical Power Supply System for Underground Mining.**
- **Electrical equipment in explosive environment – Flameproof Enclosures, Intrinsically safe circuit**
- **Earthing practice for safe operation of underground equipment.**
- **CEA & DGMS Safety Regulations for Mine Electrical Safety.**
- **Signaling, communication and condition monitoring of Mine Electrical System.**
- **Mine Winder Motor.**
- **Energy Conservation & Power Factor Control.**

**Duration: 30<sup>th</sup> January, 2017-3<sup>rd</sup> February, 2017**

### **Course fee:**

1. **Rs 30,000/-** (Rupees Thirty thousand only) per **residential participant**. The fee is inclusive of charges for boarding, lodging (twin sharing, AC) at Executive Development Centre (EDC) of the institute, course material and institution's amenities.
2. **Rs 25,000/-** (Rupees Twenty-five thousand only) per **non-residential participant**. Lodging facility and dinner at IIT(ISM) Executive Development Centre will not be provided to the non-residential participants.

### **Course coordinators:**

1. **Dr. Ananda Shankar Hati**, Assistant Professor & Coordinator; Department of Mining Machinery Engineering; Indian Institute of Technology (Indian School of Mines); Dhanbad-826004; (Jharkhand) Tel: 0326-2235083(O); Cell: +91-9471191571; e-mail: [aryan1437@gmail.com](mailto:aryan1437@gmail.com), [hati.a.mme@ismdhanbad.ac.in](mailto:hati.a.mme@ismdhanbad.ac.in)
2. **Dr. Tanmoy Maity**; Associate Professor & Co-Coordinator; Department of Mining Machinery Engineering; Indian Institute of Technology (Indian School of Mines); Dhanbad-826004; (Jharkhand) Tel: 0326-2235729(O); Cell: +91-9471191126; e-mail: [tanmoy\\_maity@yahoo.com](mailto:tanmoy_maity@yahoo.com)

### **Nominations:**

Nominations may be sent to the Coordinator on or before **5<sup>th</sup> January, 2017** along with course fee either in the form of Cheque/DD payable at any bank available in Dhanbad in favour of **Registrar, Indian School of Mines, Dhanbad** or through **Electronic Transfer to Canara Bank, Saraidhela Branch, Dhanbad, IFS Code: CNRB 0000986, Bank Account No: 0986101009746, MICR: 826015003** whose beneficiary is **Registrar**.



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(30<sup>th</sup> January, 2017-3<sup>rd</sup> February, 2017)

**REGISTRATION FORM**

1. Name :
2. Designation :
3. Name of the organization :
4. Academic Qualifications :
5. Address for Correspondence :

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6. E-mail id
7. Mobile No.
8. Details of Demand :  
Draft/Online Payment
9. Amount :
10. DD Number/Online :  
Transaction ID.
11. Date of Payment :

Place :  
Date :

Signature of Applicant