



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD
DHANBAD, JHARKHAND, INDIA, PIN-826004

Three days Professional Development Course on

ELECTRICAL DRIVES AND CONTROL FOR MINING EXCAVATORS

To give awareness to the practicing Engineers and Managers in opencast mines about the electrical system of conventional and advanced Dragline, Electric Shovel, Dumper and other excavators of different categories. This would achieve better productivity with minimum downtime per equipment.

Objectives:

- First-hand knowledge of Electrical configuration of different types of excavator.
- Knowledge enhancement of Electrical control system and Drives.
- Identification of critical electrical components and analysis of their maintenance issues.
- Achievement of improved electrical maintenance practice.

Target Participants:

- Practising Engineers and Managers in mines

Course Contents:

- Electrical system for Electric Dumping Truck, Electric Rope Shovel, Dragline and others.
- Electrical drives and its Control for modern AC-Drive Dumper, Shovel and Dragline.
- PLC and its use in mining excavators.
- Electrical Maintenance issues for excavators-Condition based maintenance.

Duration:

July 3-5, 2017 (Three days)

Venue:

Indian Institute of Technology (Indian School of Mines), Industry Institute Interaction Facility, NBCC Shopping Complex (2nd floor), Newtown, Rajarhat, KOLKATA- 700156 (Near Newtown Bus stop, Axis mall).

(About 12 km from Kolkata Int. Airport, 12 km from Sealdah Rly Station and 15 km from Howrah Rly Station).

Course Fee:

₹ 30,000/- (Rupees Thirty thousand only) per participant inclusive of service tax. The fee includes course materials, tea and working lunch. The participants are to make their own lodging arrangement in Kolkata.

Course coordinators:

1. **Dr. Tanmoy Maity**; Associate Professor (EE) & Coordinator; Department of Mining Machinery Engineering, IIT (ISM), Dhanbad-826004, (Jharkhand); Tel: 0326-2235729(O); Mobile: 09471191126; E-mail: tanmoy1826@gmail.com, tanmoy_maity@yahoo.com
2. **Dr. Ananda Shankar Hati**; Assistant Professor (EE) & Co-coordinator; Department of Mining Machinery Engineering; IIT (ISM); Dhanbad-826004; (Jharkhand); Tel.: 0326-2235083(O); Mobile: 09471191571; E-mail: aryan1437@gmail.com, hati.a.mme@ismdhanbad.ac.in

Nominations:

Nominations may be sent to the Coordinator on or before **17th June, 2017** along with course fee either in the form of 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.**



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(3rd-5th July 2017)

REGISTRATION FORM

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

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

Place :
Date :

Signature of Applicant