

IMPORTANT DATES:

Submission of Abstract by	: 15-06-2015
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Pre-Registration	: 15-07-2015

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Category	Early Registration (Before 15/7/2015)	Late Registration (After 15/7/2015)
Students/Research scholars	1500	2000
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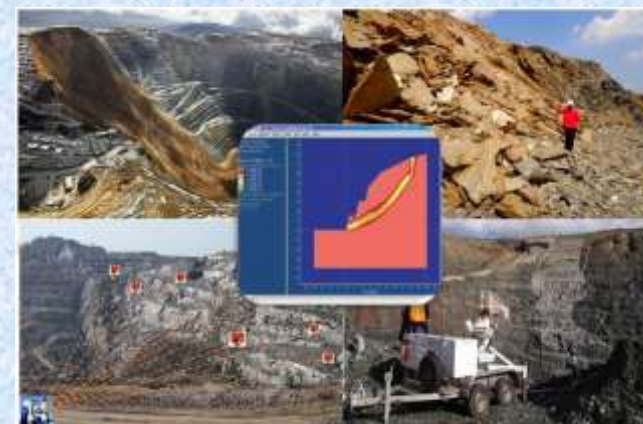
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All India Seminar
 On

SLOPE STABILITY ISSUES IN OPENCAST MINING AND CIVIL ENGINEERING

(SSIOMCE15)

July 25-26, 2015



Organised by



**DEPARTMENT OF MINING ENGINEERING
 NIT-ROURKELA**

In collaboration with

The Indian Mining & Engineering Journal (IM&EJ), TEQIP-II, and
 The Institution of Engineers (India)

ABOUT NIT, ROU

National Institute of Technology (erstwhile REC), Rourkela was the first among the Regional Engineering Colleges to establish a Mining Engineering Department in 1979. The Department has flourished over the years and has been in the forefront of mining education, research and consultancy services in India. It lies within close proximity of the mining belts of Singhbhum, Ib Valley Coalfields (MCL), UCIL, Jaduguda; iron ore, limestone and dolomite mines of SAIL, TISCO, OMC, OCL etc., which makes it ideally located for mining education and research. The Department has well qualified faculty and staff dedicated to applied research in the field of coal mining technology, geomechanics and strata control, mine environment and safety, mine fires and spontaneous heating, solid fuel technology and mine surveying. The laboratories are equipped with modern and sophisticated equipments for physical experimentation as well as latest computing facilities with state-of-the-art softwares such as SURPAC, FLAC-2D & 3D, UDEC, GALENA and LABVIEW, Blast monitoring softwares etc. The Department offers B.Tech, M.Tech, M.Tech. (Dual degree), and Ph.D. programs in Mining Engineering. The course curriculum is regularly revised and updated keeping in view the changing needs of the industry as well as future requirement. The Department attracts regular developmental and research funding to set up as well as upgrade its instructional and research facilities from organizations such as INWS, MHRD, DST, MOEF, MO Coal, AICTE, CSIR, UGC, Government of India, Government of Orissa etc. It enjoys a strong relationship with many mining and allied industries and offers consultancy and knowledge enhancement facilities.

ABOUT IIEI, IMEJ

The Institution of Engineers (India) or IIEI is the largest multidisciplinary professional body gives engineers a global platform to share professional interest. IIEI has membership strength of nearly 0.7 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IIEI has served the engineering fraternity for over nine decades. The Indian Mining & Engineering Journal published since 1961 is now in its 52th year of publication. Over all these years, the journal has sought to serve the Indian Mining Sector through diffusion and communication of new technologies.

OBJECTIVE OF THE SEMINAR

Now a days slope stability accidents are one of the leading causes in surface Mining operations. Unexpected movement of ground causes the potential to endanger lives, demolish equipment, or destroy property. The economic consequences and operational problems associated with slope instabilities dictate the need of appropriate slope monitoring and management measures. Slope management basically constitutes anticipation, pre detecting of likely changes and control of slope behaviour. Needless to emphasize the requirement of mass exploitation of mineral deposits to meet the local and global demands

in the present era of globalization, and also the importance of opencast mining to greater depths. Therefore, this Seminar is intended to highlight the recent advances in design guidelines, slope monitoring for improved safety and eco-friendly mining for sustainable development of mineral deposits of India, and also for other civil engineering applications including embankments, Dams, road ways.

SUB THEMES OF THE SEMINAR

The topics to be covered in this seminar include the following but not limited to:

- Slope design for mine benches, Embankments, railways, road and civil construction
- Application of soft computing techniques for prediction of slope stability
- Ground water issues in slope stability
- Financial aspects of slope stability
- Slope failures, and demonstration of numerical models.
- Mine Waste Disposal, Environment and Safety.
- Design, Stabilization and Monitoring of Surface Mine Slopes.
- Recent Trends in slope stability monitoring.
- Case Studies on slope stability in mines and civil Engg applications.

CALL FOR PAPERS

Original and unpublished research work/ practice on any one or more of the themes indicated above are invited from practicing engineers, academicians, R&D personnel's, consultants and manufacturers. The paper should strictly conform to the following:

- The official language for the seminar will be English for all purposes. All correspondence and the papers will be entertained only in English.
- Abstract of the paper must be typed in single space within 300 words. The full text of paper must not exceed 6 pages of A-4size in single space using new Times Roman font of size 12 including abstracts, appendices, tables, illustrations and photographs. Each author must provide a soft copy by email to ssiomce15@gmail.com / CD in MS-word.
- SI system of units should be adopted.
- Selected papers will be published in the Indian Mining & Engineering Journal.

ALL INDIA SEMINAR On SLOPE STABILITY ISSUES IN OPENCAST MINING AND CIVIL ENGINEERING (SSIOMCE15)

July 25-26, 2015

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