

ORGANIZING COMMITTEE

Chief Patron

Dr. S. Srikanth, Director CSIR-NML, Jamshedpur

Patrons

Shri Abhijeet Jayaswal, Group Director, Abhijeet Group, Nagpur;
Shri D. Acharya, Chairman and Managing Director, UCIL, Jaduguda;
Dr. D. Gupta, Director, Jindal SAW Ltd., Bhilwara Rajasthan;
Dr. B. K. Soni, Chairman, Eco Recycling Company Ltd., Mumbai;
Dr. Vijay Sharma, Joint Managing Director, USHA Martin Ltd., Jamshedpur;
Mr. P.V. Subba Rao, Sr. Vice President, OMML, Jamshedpur.

Chairman

Mr. B. K. Das

Chairman, Jamshedpur Local Centre, IEI

Secretary

Dr. A. K. Vaish

Hon. Secretary, Jamshedpur Local Centre, IEI

Members

Mr. Amitava Bakshi, Dr. Vinay Kumar, Dr. Ratnakar Singh, Mr. Rajiv Malhotra, Mr. Ashok Kumar, Mr. C. Raghukumar, Mr. D. P. Chakraborty, Dr. Sandip Bhattacharya, Dr. N. G. Goswami, Dr. S. D. Singh, Mr. R. K. Minji, Dr. P.N. Chaudhary, Dr. P. K. Tarafder, Dr. Rakesh Kumar, Dr. R. K. Jana, Dr. S. Mohan Rao.

TECHNICAL COMMITTEE

Chairman

Dr. Vinay Kumar

Co-Chairman

Dr. Ratnakar Singh

Convener

Dr. M. K. Jha

Co-Convener

Dr. Vinod Kumar

Members

Dr. Jhumki Hait, Dr. Avimanyu Das, Dr. A. Vidyadhar, Dr. M. Bhattacharya, Dr. Mamta Sharma, Dr. Abhilash, Dr. S. K. Sahu, Dr. Sanchita Chakravarty, Mr. Rahul Jha, Dr. A. K. Upadhyay, Mr. D. P. Singh, Mr. Alok Kumar, Mr. B. Dash.

Publication committee

Convener : Dr. N. G. Goswami

THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of nearly 0.7 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata 700 020, IEI has served the engineering fraternity for over a nine decades. In this period of time it has been inextricably linked with the history of modern day engineering.

ABOUT THE CITY

Jamshedpur is in the state of Jharkhand. It is located at a distance of about 250 km and 131 km from Kolkata and Ranchi respectively. It is well connected to metropolitan cities like Delhi, Kolkata and Mumbai by Rail. The nearest air destinations to Jamshedpur are Kolkata and Ranchi. In the third/fourth week of January, Jamshedpur has an extremely pleasant weather with an average temperature during the day in the range of 15 - 20°C.

ACCOMMODATION

Jamshedpur has a wide range of hotel accommodation to fit into participant's budget. The organizing committee may assist the participants in this respect.

HOTEL TARIFFS

(Revision due in 31-10-2012)

Sl No.	Hotel's Name	Single	Double	Suite	Contact No.
1	Beldih Residency		2998 with taxes		+91-657-2225222
2	United Club		2400 with taxes		+91-657- 6940942
3	Golmuri Club*	1900	2200	-	+91-657- 2268971
4	Tube Makers Club	2100	2500	-	+91-657- 9031986400
5	Hotel Ginger*	3499	3999	-	+91-657- 6663404
6	Hotel Center Point*	4000	5000	6000	+91-657- 3988444
7	The Sonnet*	4384	5560	7400	+91-657- 6619000
8	Hotel Darshan*	1650,1950	2000,2350	3500	+91-657- 2320568
9	Hotel Nalanda	1650,1950	2000,2300	2400,2750	+91-657- 2321152
10	Hotel Siddhartha*	1775	2125	3600,3950	+91-657- 2320535
11	Hotel Boulevard*	1000,1200, 1350	1400,1600, 1750	1900	+91-657- 2425321
12	Hotel BS Park Plaza	2700	3200	----	+91-0657-2321318
13	Hotel Deodutt Palace*	1250	1500	-	+91-6573204343, 3201209
14	Hotel JK Residency*	2399,2899	3199,3699	4999,5999	+91-657- (6556999/2235499)
15	Hotel Dayal International	2500	2900	3500	+91-657-2235434-38

*All rates are exclusive of Luxury Taxes

ADDRESS FOR CORRESPONDENCE

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Dr. Manis Kumar Jha
Convener, Technical Committee
National Convention & Sr. Scientist, MEF Division
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Twenty-sixth National Convention of Metallurgical and Materials Engineers

&

National Seminar on

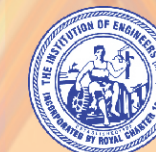
**Exploitation of Lean Grade Ore, Ore Fines and
Urban Ores: Challenges, Problems and Solutions**

LGO-2013

at

Jamshedpur - January 22-23, 2013

Organized by



The Institution of Engineers (India)

Jamshedpur Local Centre

Under the Aegis of

Metallurgical & Materials Engineering Division, IEI

In association with



CSIR - National Metallurgical Laboratory

Venue

National Metallurgical Laboratory, Burmamines, Jamshedpur - 831 007, India

www.lgo2013.weebly.com

PREAMBLE

The abundant resources of Iron ore, Manganese ore, Bauxite, Limestone, Dolomite, Chromites and Coal are being exploited throughout the country. The scientific and technological advancements in the last century has brought significant achievements in the development of a variety of metallic products in Metallurgical and Materials Engineering throughout the world, making use of mostly high grade ores to the maximum possible extent. With the passage of time, high grade ores are getting exhausted and now time has come to exploit lean grade ores by developing new technically viable and eco-friendly processes / technologies. Usually at the sites of the mines, a lot of fines are being generated on continuous basis and bulk of these ore fines are still remaining unutilized. With the depletion of high grade ores, it has become essential in majority of cases to exploit these ore fines for the production of value added products and the need of the hour is to develop suitable technology accordingly making use of the ore fines as well as lean grade ores.

In future, our country has to meet increased domestic demands of steel by exploiting lean grade ores and ore fines in iron and steel industries by using direct reduction/direct smelting process. These ore fines are being used in the form of pellets, sinter and briquettes which could not be utilized earlier. As far as urban ore is concerned, it includes anything which is reusable. Different kinds of urban ore, such as mixture of paper, glass, food remnants, plastic, rubber, metal etc. can be recycled by mechanical, chemical, thermal method or biological process. Today it is essential to find out fast solution of the urban ore problems and develop efficient and ecological safe system of recycling and simultaneously receiving useful products at the end of the cycle.

OBJECTIVES

- ❖ Bring together experts and practicing engineers from different engineering disciplines, industries, R&D establishments, academia as well as students on a common platform for updating and sharing their experiences and knowledge.
- ❖ Give an impetus to develop new technologies/processes to exploit lean grade ores, ore fines and urban ores considering the challenges and problems.

SCOPE OF SEMINAR

- ❖ Exploitation of lean grade ores and fines
- ❖ Recycling of urban ores (Electronic waste, Municipal & Industrial waste)
- ❖ Industrial practices and techno - economic feasibility
- ❖ Modeling and simulation
- ❖ Environmental issues (Physical, Chemical, Pyrometallurgical & Biological)

SUBMISSION OF EXTENDED ABSTRACTS AND TECHNICAL PAPERS

Each author has to submit the hard copy of extended abstract by post as well as its soft copy by e-mail at Igo.iei.nml2013@gmail.com by 31-10-12. The extended abstract may comprise of about 300 word. It should state the purpose of investigation, the principal results and the major conclusions. After scrutinizing the abstracts, the concerned authors shall be asked to prepare the final manuscript of their technical papers as per the given guidelines.

Some eminent engineers and scientists from industries, R&D organizations and academic institutions are also being invited to make presentations in the seminar. Students shall also be given opportunities to present their technical papers in oral/poster sessions.

The proceeding of the convention comprising of key note addresses and all technical papers shall be brought out and made available to each delegate.

EXHIBITION

Alongwith National Seminar, an exhibition of concerned process industries will also be organized. Industry leaders may showcase their processes and products to the benefit of end users namely process and manufacturing industries.

ADVERTISEMENTS

A Souvenir with abstracts of technical papers will be brought out on this occasion. An advertisement of your company in the souvenir will provide an excellent opportunity to reach out to professionals and executives of process industries fraternity. It is proposed to bring out the proceedings of the National Convention incorporating the technical papers and key note addresses.

ADVERTISEMENT TARIFF

Back outside cover	:	Rs. 20,000/-
Back inside cover	:	Rs. 15,000/-
Front inside cover	:	Rs. 15,000/-
Full Page (Multi colour)	:	Rs. 8000/-
Full Page (Black & White)	:	Rs. 4000/-
Half Page (Multi Colour)	:	Rs. 4000/-
Display of cloth banner	:	Rs. 4000/-
Installation of stall in Exhibition	:	Rs. 25000/-

REGISTRATION FEE

- IE Members (both academic and industry) : Rs. 2500/-
- IE Member (Individual capacity) : Rs. 1500/-

Non-Members

- Academic and R & D : Rs. 3000/-
- Industry : Rs. 4000/-
- Students/Spouse : Rs. 1000/-
- Overseas delegates : USD 300/-

All payments are to made by Demand Draft or A/C Payee cheque drawn in favour of "The Institution of Engineers (India)" payable at Jamshedpur.

PROGRAMME OUTLINE

The National Convention shall comprise of

- National Seminar
- V Subramony Memorial Lecture and State - of - the - Art Lecture
- Felicitation of Eminent Engineers and presentation of IEI Young Engineers Award
- Technical Visit and Technical Exhibition
- Work Shop/Round Table/Panel Discussion
- Division Board Meeting
- IEI Information Desk

VENUE & DATES

The two day National Convention would be held at CSIR-National Metallurgical Laboratory, Burmahmines, Jamshedpur-831007 during January 22-23, 2013.

NATIONAL ADVISORY COMMITTEE

1. Chairman : Mr. S. L. Garg, President, IE(India)
2. Co-Chairman: Mr. K. K. Mehrotra, Chairman, MMDB, IE(India)
3. Prof. (Dr.) N. R. Bandyopadhyay, Chairman, CATE & Member, MMDB, IE (India)
4. Prof. N.K. Mukhopadhyay, Member, MMDB, IE (India)
5. Shri Ashish Gupta, Member, MMDB, IE (India)

SEMINAR ADVISORY COMMITTEE

Dr. T. Venugopalan, Chief Technology Officer, Tata Steel, Jamshedpur
Prof. R. J. Singh, Head, Dept. of Metallurgy & Material Sciences, N.I.T., Jamshedpur
Prof. G. N. Jadhav, Department of Earth Sciences, I.I.T. Bombay, Mumbai
Prof. Jayanta Bhattacharya, Department of Mining Engineering, I.I.T. Kharagpur
Mr. P. Sarode, Managing Director, Tata Pigment Ltd., Jamshedpur
Dr. J. Rajesh Kumar, Senior Scientist, KIGAM, South Korea
Dr. B.D. Pandey, Chief Scientist, CSIR- NML Jamshedpur
Prof. T. Sharma, Dept. of Fuel & Mineral Engineering, I.S. M., Dhanbad
Prof. G. Kumar, Head, Geology Dept., B.I.T., Sindri
Dr. L. K. Agarwal, Jindal SAW Ltd, Bhilwara (Rajasthan)
Dr. N. R. Munirathanam, Head, RoHS Group, C-MET, Hyderabad
Dr. S. N. Sinha, Director, NIFFT, Ranchi