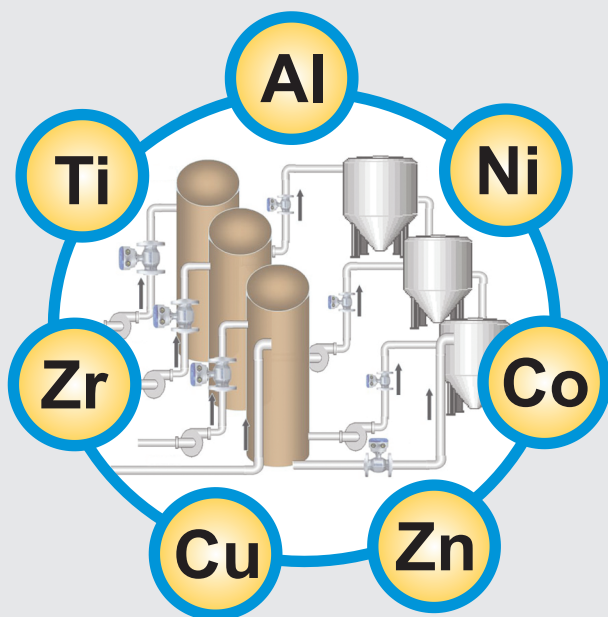


Seminar on Non-Ferrous Mineral Industry- Growth and Challenges

2nd - 3rd December 2015, Bhubaneswar



Organized by



**Indian Institute of Chemical Engineers
Bhubaneswar Regional Centre**

Preamble

Non-ferrous minerals play a significant role in the technological and economic development of a country as they meet the requirement of a wide range of key industries those cater to the need of automobile, power transmission, industrial catalysis, alloys, pigments and many other sectors. India's per capita consumption of non-ferrous metals such as aluminum and copper is steadily on the rise. There is also increasing demand for nickel, chromium, vanadium, tungsten, molybdenum, synthetic rutile etc. for various applications.

The overall scenario of non-ferrous mineral deposits in India is not very promising. Whereas bauxite is abundantly available, the high alumina low silica ores are under rapid depletion for which alumina industries are facing the problem. Similarly, the beach sand minerals, which are also available abundantly, are not processed to produce usable end products. Minerals of copper, lead, zinc, nickel, cobalt, molybdenum, tungsten are not present in adequate quantities to meet the domestic demand and gap is being filled up by import.

Sustainable development, whether in India or elsewhere, is a challenge in the present time. However, the situation needs closer attention as far as sustainable development is concerned. Resource conservation, innovative and environment-friendly technologies backed by effective and safe disposal of effluents, value addition, are some of the key issues that are to be carefully addressed in order to have sustainable development. It needs close interaction between user industries, planning and regulatory authorities and policy makers.

With this in background, the Bhubaneswar Regional Centre of Indian Institute of Chemical Engineers (IIChE) is organizing a Seminar on **Non-Ferrous Mineral Industry - Growth and Challenges** during **2nd - 3rd December 2015** at Bhubaneswar in order to make an up-to-date assessment of the overall scenario on non-ferrous minerals in India. Experts from industries, research organizations, consultancy firms and policy planning bodies are expected to participate in the deliberations in this seminar through invited lectures and panel discussion.

Theme

The seminar aims at deliberations pertaining to problems and challenges in non-ferrous minerals processing especially in the Indian context while aiming at sustainable development. The broad areas of deliberations are:

- Raw Materials Management - Reserve and Quality
- Processing Technologies and Challenges
- Environmental Issues - Waste and Effluent Management

- Value Addition
- Business Opportunities
- Policy Issues

IIChE, Bhubaneswar Regional Centre

The Indian Institute of Chemical Engineers (IIChE), consisting of professionals from academia, R & D institutes and industries, is a professional society committed to the betterment of chemical engineering practice and profession through various activities, such as conducting workshops and seminars, promoting chemical engineering education through its own curriculum etc.. IIChE, Bhubaneswar Regional Centre, formed in 1992, has been functioning actively conforming to the above mentioned goals of the IIChE. It has successfully organized many workshops and seminars on professionally relevant topics since its inception including CHEMCON, the prestigious annual event of IIChE, in 2003. Recently, on 10th of March 2014, it had successfully organized a one-day seminar on PCPIR- Paradeep in collaboration with the Indian Chemical Council, Mumbai and on 26th November 2014, it organized a Seminar on Coal Gasification.

Bhubaneswar

Bhubaneswar, the capital of Odisha which is known as Temple City, is a very fast growing city having all the amenities of metros. Bestowed with magnificent sculptures and architectural heritage, Bhubaneswar occupies a significant position in the tourism map of India. It is well connected by road, rail and air to almost all parts of the country. The climate during December is quite pleasant with the average maximum and minimum temperature being 25°C and 15°C, respectively.

Seminar Topics

Invited lectures on the following topics (tentative) will be delivered and deliberated during the seminar:

Bauxite & Alumina Date: 02/12/2015

- Bauxite Deposits and Exploration. - **Mr. Sachidananda Parida**, Jt. Director Geology, Govt. of Odisha
- Bauxite Residue Disposal: The developing trends worldwide - **Mr. H. Mahadevan**, IBAAS
- Aluminium Business Opportunity in India - **Mr. Satish Pai**, DMD, Hindalco Industries Ltd.
- Technology to Tackle Environmental Issues Related to Alumina Industry - **Mr. V. Balasubramanyam**, Director (Prodn.), NALCO
- Technological Development in Alumina Refining and Smelting - **Dr. B. K. Satpathy**, ED (BD), NALCO

- Breakthrough Technologies in Alumina & Aluminium - **GAMI / RTA, China**
- Commercialization of Research – Role of JNARDDC - **Dr. Anupam Agnihotri**, Director, JNARDDC
- Recovery of Metal from Bauxite Residue - **Dr. U. Vidyasagar**, ED, Gharda Chemicals Ltd.
- Can Odisha become a Hub Centre for Speciality Alumina Production in India? - **Mr. V. Sood**, IBAAS
- Realisation of an Alumina Project Based on East Coast Bauxite - **Dr. Mukesh Kumar**, Group Head (Technology), Vedanta Ltd.

Beach Sand Date: 03/12/2015

- Beach Sand Deposit in India with Special Reference to Odisha Coast : **Dr. B.M. Faruque**, Former Director, GSI
- Mining, Exploration & Mineral Research - **Dr. T.K. Mukherjee**, Ex-CMD, IREL
- Beach Sand Minerals Projects in Odisha and the Challenge : **Dr. R. N. Patra**, CMD, IREL
- Innovation in Mineral Separation - **Mr. C. K. Asnani**, Director (Technical), IREL
- Policy Issues - **M/s. Trimax / V. V. Minerals**
- Recovery of Uranium from Phosphoric Acid from Fertilizer Plants in Paradeep. - **Mr. P.R. Mohanty**, Chairman, Heavy Water Board, DAE

Nickel - Cobalt - Copper - Zinc Date: 03/12/2015

- Technology for Non Ferrous Minerals - **GAMI / CHALIACO(China)**
- Growth of Copper Production in India and Challenges – **Shri Subhendra Nanda**, Director (Op), HCL
- Zinc, Lead and Silver refining - HZL Journey - **Shri Akhilesh Shukla**, Head, CRDL, HZL
- Technological Possibilities for Exploitation of Sukinda Nickel Deposit - **Dr. R. K. Paramguru**, Chief Scientist (Retd.), CSIR-IMMT, **Dr. M. K. Ghosh**, Sr. Principal Scientist, CSIR- IMMT
- Nickel and Cobalt- Continuous Process Integration - **Dr. P.K. Das**, Head, Process Laboratory, HZL
- Nickel Pig Iron - **Indoferro Iron and Steel Mill, Indonesia** - **Malachite Process Consulting Pvt. Ltd., Australia**

Venue

Hotel New Marriion
Near Ram Mandir Square, Janpath, Bhubaneswar

Registration Fee

IICHe Members	: ₹ 1500
Non-members	: ₹ 2500

Sponsorship

Platinum Sponsor	: ₹ 3,00,000
Gold Sponsor	: ₹ 2,00,000
Silver Sponsor	: ₹ 1,00,000

Each Platinum Sponsor, Gold Sponsor and Silver Sponsor will be entitled to depute seven, five and three delegates, respectively, free of registration fee. Besides, names of sponsors will be displayed on the seminar banner.

Advertisement

Full page colour (back page)	₹ 40,000
Full page colour (inner front/ inner back)	₹ 30,000
Full page colour	₹ 25,000
Half-page colour	₹ 15,000

One full page colour advertisement will be printed free in the Souvenir for the Platinum Sponsors and the Gold Sponsors.

Visit to IREL Plant

A visit to OSCOM, IREL, Chhatrapur has been planned for delegates on 4th December 2015 at an additional cost of ₹3,000 per person. The transport will start from Hotel New Marriion at 8.00 AM and reach Chhatrapur at around 10.30 AM. The plant visit is planned between 10.30 AM and 1.00 PM. After one hour of lunch break at Chhatrapur, the transport will bring the delegates to Bhubaneswar by 5.00 PM. Delegates, interested for the above plant visit, should confirm on or before 20th November 2015 for enabling the organizers to make necessary arrangements.

Accommodation

There are many star and budget hotels in Bhubaneswar. Organizers will assist in arranging accommodation if the request is made well in advance along with payment equal to the tariff for one day.

Hotel New Marriion offers the following discounted tariff (excluding taxes) for the delegates:

Executive Room	Single: ₹3,000	Double: ₹3,500
Deluxe Room	Single: ₹4,000	Double: ₹4,500

Payment

All payments are to be made in shape of DD/Cheque, drawn in favour of 'REGIONAL CENTRE IICHE', payable at Bhubaneswar and sent to the Treasurer, Organising Committee.

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Seminar on
**Non-Ferrous Mineral Industry-
Growth and Challenges**

2nd - 3rd December 2015, Bhubaneswar

REGISTRATION FORM

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Email:.....

Whether member of IICChE: Yes / No

If yes Membership No.....

Accompanying Spouse Yes / No

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