

Third Announcement

Seminar on

Odisha – Investors' Destination for Chemicals and Petrochemicals

27th – 28th April 2017, Bhubaneswar

Refinery Plant Visit on 29th April 2017



Organized by



INDIAN INSTITUTE OF CHEMICAL ENGINEERS
BHUBANESWAR REGIONAL CENTRE

Regional Centre's Silver Jubilee Year

PREAMBLE

India is a fast-growing economy but its per capita consumption of petrochemicals is well behind the World Average. Thus, it leaves a large unfulfilled demand of petrochemicals in the country with simultaneous need for boosting their production in order to reduce import. A recent study by Associated Chambers of Commerce and Industry of India (ASSOCHAM) reveals that India's petrochemical industry is growing at a CAGR of approximately 14% and is expected to reach \$100 billion by 2020 from its current \$40 billion. With the Government announcing an infrastructure development program of over ₹ 500 billions, coupled with growth in key end use sectors like automobiles, personal lifestyle products and retails (package), a boost is expected in the demand for petrochemical products in India. To promote investment in the petrochemical sector, the Government is in the process of allowing 100% FDI projects in this sector, establishing a series of Special Economic Zones (SEZs) and a number of Petroleum, Chemicals and Petrochemical Investment Regions (PCPIRs). In a major national call 'Make in India', designed to transform India into a global manufacturing hub, petrochemicals sector has been identified as a thrust sector. Several key domestic companies have come forward with ambitious expansion plans for the next few years and more investment from multinationals as well as domestic companies are expected.

Odisha, with its vast mineral resources, has become an investment paradise in Eastern India. Very recently, Indian Oil Corporation Ltd. (IOCL) has commissioned a 15mmtpa refinery at Paradip that would produce fuels of premium grade, pet-coke and several Petrochemical feedstocks. The PCPIR at Paradip targets investment to the tune of ₹ 2.77 lakh crore. Government of Odisha, through its liberal industrial policies and attractive incentives, warmly welcomes and encourages entrepreneurs of all categories to invest in Odisha. Industrial Promotion and Investment Corporation of Odisha Ltd. (IPICOL) and Odisha Industrial Infrastructure Development Corporation (IDCO) are jointly steering the investment opportunities in Odisha. Govt. of Odisha is actively working towards establishing a mega PCPIR with IOCL as the Anchor Tenant. The Liquefied Natural Gas (LNG) terminal at Dhamra port also provides opportunities for developing chemical and petrochemical industries using LNG as the feedstock. **Recently Institute of Chemical Technology Mumbai (a Deemed University) has announced their interest to start a campus in Odisha to help promotion of Chemical / Petrochemical Industries in Odisha.**

With above background, Bhubaneswar Regional Centre of the Indian Institute of Chemical Engineers (IIChE) has come forward to organize a Seminar "Odisha – Investors' Destination for Chemicals and Petrochemicals" during 27th - 28th April 2017 at Bhubaneswar. The

seminar aims at bringing together the experts from industries, academia, research institutes and policy planning bodies on one platform to put forth their views through Invited Lectures in order to bring to Investors an overall assessment of the prospect of Chemical and Petrochemical Industries in Odisha.

IIChe, BHUBANESWAR REGIONAL CENTER

IIChe, an association of Chemical Engineers from academia, R & D Institutes and Industries, is a professional society committed to the betterment of chemical engineering practices 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 goals of the IIChe. It has successfully organized many seminars on professionally relevant topics in past years including **CHEMCON**, the prestigious annual event of IIChe, in 2003. In the recent past the Centre successfully organized seminars- '**PCPIR – Paradip**' in March 2014, '**Coal Gasification**' in November 2014 and '**Non-ferrous Industries in India – Prospects and Challenges**' in December, 2015.

BHUBANESWAR

Bhubaneswar, the capital of Odisha which is known as Temple City, is a very fast growing Smart 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 April is mildly warm; the average maximum and minimum temperature being 35°C and 22°C, respectively.

SEMINAR TOPICS

Invited lectures broadly on the following topics will be delivered and deliberated during the seminar covered in five technical sessions and a panel discussion:

- Status of Oil Refinery especially that of IOCL, Paradip with respect to downstream products
- Status of PCPIRS in India
- Indian outlook for chemicals and petrochemicals
- Overview of Speciality Chemical Industry in India
- Investment opportunities in chemicals and petrochemicals in Odisha
- Other related topics

In addition, a **CEO Conclave on 27/04/2017 evening** is also in the agenda.

List of Topics and Speakers:

Date: 27.04.2017

Inaugural Session

- | | |
|--|---|
| Jurong Island –an Integrated Refinery /Petrochemical Complex
Mr. Jasper Ang, Regional Director EDB , Singapore | ★ |
| Position of IOCL with regard to Downstream Petrochemicals
Mr. A.N. Jha, ED, Indian Oil | ✓ |
| Address by the Chief Guest
Padma Vibhusan Dr. M. M. Sharma, FRS, former Director UDCT | ✓ |
| Status of PCPIR at Dahej
Mr. Avinash Joshi, IAS, MD, OPAL | ★ |
| PCPIR at Paradip
Mr. Sanjeev Chopra, IAS, Secretary Industries, Govt. of Odisha | ✓ |
| Inaugural Address
Mr. Debi Prasad Mishra, Hon'ble Minister of Industries, Govt. of Odisha | ✓ |

Technical Session -1

- | | |
|--|---|
| Status of Indian Oil Refinery at Paradeep
Mr. G.S. Singh, ED I/c, Indian Oil Refinery, Paradeep | ★ |
| Planning for Growth-A refining and Petrochem Perspective
Dr. Partha P. Maitra, President , Reliance Industries Limited | ✓ |
| Cumene/Phenol Complex for Eastern India
Mr. Rajeev Pandia, former MD, SIA Group | ✓ |
| Conceptualisation of Petrochemical Downstream Complex based on Feedstock from Indian Oil Refinery at Paradip
Engineers India Limited | ★ |
| Setting up a Mixed Feed Cracker Complex at Paradip
Indian Oil | ★ |

Technical Session-2

- | | |
|--|---|
| Global Chemical Industry Outlook
Mr. Sanjay Sharma , VP-MDE & India, IHS Markit, Dubai | ✓ |
| Aluminium Fluoride Project in Paradeep | ★ |
| Ethylene Oxide and Derivatives
Mr. Vinay Garg, SBU Head , India Glycol | ✓ |
| Chlor Alkali / PVC Complex
Mr. V.K. Joshi, Sr. GM & Head –Technology Sales, ThyssenKrupp India | ✓ |

✓ Confirmed

★ Confirmation Awaited

Technical Session -3

- Mega Plastic Park at Paradip
Dr. S.K. Nayak , Director General, CIPET ★
- Acrylic Acid and Acrylates Project at Paradeep
Mr. Pankaj Mehta, VP, Reliance Industries Limited ✓
- Styrene and Derivatives
Ms. Rekha Misra, Director, IDS(P) Ltd., New Delhi ✓
- Pthalic Anhydride and Downstream Chemicals
Mr. P.M.C. Nair, ED, Thirumalai Chemicals ★

CEO Conclave

Date : 28.04.2017

Technical Session -4

- Manufacture of LAB / Detergent at Paradip
Mr. Sujit Sinha, Indian Oil, New Delhi ✓
- Para Xylene and PTA Complex at Paradip
Indian Oil ★
- PET ,downstream of PTA
Mr. B.N. Chattopadhyay, CEO, IVL Dhunseri Petrochem Industries Ltd. ✓
- Pet-coke Gasification for Production of Chemicals
Mr. Sunil Singhal, Lead Process Engr. & Fluor Fellow, Fluor India ✓

Technical Session -5

- Setting up LNG Terminal at Dhamra and Downstream
Mr. Sarthak Behuria, ED, Adani Dhamra SEZ, New Delhi ✓
- Introducing Dhamra Port and Facilities
Mr. Subrat Tripathy, CEO, Dhamra Port ✓
- Pet-coke Gasification for Production of Ammonia and Urea
Mr. A. K. Panda, Sr. GM, IFFCO, Paradip ★
- Methanol as Feedstock for Chemical Industries
Mr. Pandurang Landge, Deepak Fertiliser ✓

Technical Session -6

- Overview of Speciality Chemical Industry
Mr. B. Bhattacharya, KPMG ✓
- Pharma and Pharma Intermediates-Possibility in Eastern India
Mr. Anil Relan, VP, Jacobs Engg. (India), New Delhi ★
- Investment for Speciality Chemicals in Eastern India
Mr. R. N. Mohanty, Chief of Technology, Pidilite, Mumbai ✓
- Uranium Project at Paradeep ★



Confirmed



Confirmation Awaited

Technical Session -7

- Paradip: A Major Port and its facilities** ★
Mr. Rinkesh Roy, Chairman, Paradip Port Trust
- Infrastructure Planned for PCPIR at Paradip** ✓
Mr. B.K. Joshi, CEO, Paradeep Investment Region Development Ltd.
- Chemicals Transportation/Storage/Handling at Paradip** ✓
Mr. Rajkiran Kanagala, TCI

Panel Discussion – PCPIRs in Progress

VENUE

Hotel New Marrison
Near Ram Mandir Square, Janpath, Bhubaneswar

REGISTRATION FEE

IChE Members	: ₹ 1500
Non-members	: ₹ 2500
Accompanying Spouse	: ₹ 1500

Delegates interested for Refinery visit on 29.04.2017 will have to pay extra

SPONSORSHIP

Platinum Sponsor	: ₹ 5,00,000
Gold Sponsor	: ₹ 3,00,000
Silver Sponsor	: ₹ 2,00,000

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 seminar banner.

ADVERTISEMENT

Full page colour (back page)	: ₹ 40,000
Full page colour (inner front/ inner back)	: ₹ 30,000
Full page colour	: ₹ 20,000
Half-page colour	: ₹ 15,000

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

VISIT TO IOCL PARADIP

A visit to IOCL Refinery, Paradip has been planned for delegates on 29th April 2017 at an additional cost of ₹ 3,000 per person. The delegates will start from Hotel New Marrison at 8.00 AM and will come back to Bhubaneswar by 5.00 PM. Delegates, interested for the above plant visit, should confirm on or before 10th April 2017 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 Marrison offers the following discounted tariff (excluding taxes) for the delegates:

Executive Room	Single:	₹3,500	Double:	₹4,500
Deluxe Room	Single:	₹4,500	Double:	₹5,500
Suite	Single:	₹10,000	Double:	₹10,000

PAYMENT

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

ORGANIZING COMMITTEE

Er. D. P. Misra, Director, DCPL	Chairman
Er. J. Rath, Former ED, IOCL	Co-Chairman
Dr. C. R. Panda, Chief Scientist, CSIR-IMMT	Organising Secretary
Dr. S. S. Rath, Sr. Scientist, CSIR-IMMT	Jt. Organising Secretary
Dr. M. K. Ghosh, Sr. Principal Scientist, CSIR-IMMT	Treasurer
Prof. G. K. Roy, Former Director, NIT-RKL	Member
Dr. S. K. Tamotia, Former CMD, NALCO	Member
Dr. P. C. Rath, Sr. Principal Scientist (Retd.), CSIR-IMMT	Member
Dr. Swati Mohanty, Chief Scientist, CSIR-IMMT	Member
Dr. Pratima Mishra, Sr. Principal Scientist, CSIR-IMMT	Member
Er. S. K. Patnaik, DGM (Retd.), NALCO	Member
Er. J. N. Mohanty, Sr. Principal Scientist, CSIR-IMMT	Member

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Cover page picture - Indian Oil Refinery at Paradip

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Odisha – Investors' Destination for Chemicals and Petrochemicals
27th - 28th April 2017, Bhubaneswar.

REGISTRATION FORM

Name: Dr./Mr./Ms.: _____

Designation: _____

Address for Communication: _____

Email ID: _____ Mobile No.: _____

Fax No.: _____

Whether member of IICChE : Yes / No

If Yes, Membership No : _____

Payment Particulars

All payments are to be made in shape of DD / Cheque, drawn in favour of 'REGIONAL CENTRE IICHE' and payable at Bhubaneswar. The payment should be sent to the Treasurer, latest by 15th April 2017.

DD / Cheque No. _____ Date: _____

Bank: _____

Date:

Signature