ANNOUNCEMENT

24th Refining & Petrochemicals Technology Meet

19-21 January 2020
Bangalore International Exhibition Centre
Bengaluru, India

Driving Refining & Petrochemicals towards Sustenance

पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय
भारत सरकार
Ministry of Petroleum and Natural Gas
Government of India
“India accords topmost importance to the oil and gas sector. We are implementing pioneering reforms in the sector aimed at fulfilling our needs and at the same time working towards creating a sustainable planet”

- Shri Narendra Modi
  Hon’ble Prime Minister of India

Shri Dharmendra Pradhan, Hon’ble Minister for Petroleum & Natural Gas, Government of India, delivering his Inaugural Address during the 22nd RPTM held during 13-15 January, 2018 at Bhubaneshwar, India

Dr. M.M. Kutty, Secretary, Petroleum & Natural Gas, Government of India delivering his Inaugural Address during the 23rd RPTM held during 12-14 January, 2019 at Mumbai, India
Introduction

Centre for High Technology (CHT), under the aegis of Ministry of Petroleum & Natural Gas (MoP&NG), Government of India, in association with various Oil Companies in India, organizes Refining & Petrochemicals Technology Meet (RPTM) every year. The meet has become much sought-after annual event which provides an excellent opportunity for exposition of recent advances and technological developments that are of direct relevance to the downstream hydrocarbon sector.

So far 23 such conferences have been organized on various themes relevant to the oil industry. The 23rd RPTM organized by CHT in association with BPCL during 12-14 January, 2019 in Mumbai. It was a grand success with participation of record number of more than 1300 delegates/invitees including 170 from abroad. The Theme of the Meet was “Aligning Refineries for Sustainable Future”. A total of 82 oral papers including 59 Nos from global leaders, spread over 15 Technical Sessions and 80 posters were presented during the 3 day Meet. In addition, 16 Exhibition Stalls by leading technology/service providers showcased their Technology, product and services.

India will remain one of the fastest growing energy and petrochemicals markets in the world in the coming two decades due to rapid urbanization, expanding middle class and improving living standards. India is aware of challenges of meeting its rising energy demand while reducing carbon emissions to meet its commitment towards global warming. As Energy systems are not only capital intensive, take long time to develop, there is need for a balanced approach; need to adopt policies that derive energy mix to achieve energy security, sustainability, low carbon energy systems which are largely based on domestic resources and renewables. India has ambitious target to increase ethanol blending in gasoline to 10% by 2023 and 20% by 2030. The blending of biodiesel in diesel shall also reach to 5% by 2030. While there is a stress on next-generation renewables and unconventional sources of energy generation, conventional hydrocarbons would continue to play an important role in foreseeable future.

India has vibrant Refining Industry; 4th largest in the world, with installed capacity of 249.4 MMTPA (~5000 mbd), which exceeds the domestic demand and the surplus product is exported. India aspires to remain Asian refining hub, with refining capacity of 667 MMT by 2040. As time goes by, we may reassess this considering impact of any disruption and take midcourse correction.

The demand for oil is expected to peak in the mid-2030s due to energy transition, particularly from transportation sector due to gradual induction of Bio-fuel and use of Electric power in personal mobility and railways. But the demand for petrochemicals shall continue to grow, supported by increasing urbanization and improving standards of living. This will necessitate Indian Refining Industry to convert Crude to Chemicals & Petrochemicals. While integration with Petrochemicals presents numerous opportunities, there is no one-size-fits-all option. The right strategy needs to be tailored, taking into account specific product opportunities, configurations and return on capital. Refineries that are flexible will be in the best position to take advantage of these changes. This trend would continue with all major
expansions and grass root capacity additions.

Indian Refining Industry in the past has done much work to improve operational efficiency. Going forward, reduction of carbon as well as water footprints will be the guiding operating philosophy towards sustenance.

The industrial world is witnessing unprecedented changes in the way businesses are being done. There was a time when Industrial Information technology (IT) and Operational technology (OT) were viewed in isolation with little crossover. In today’s digital world, the line between IT and OT is blurring. The emerging technologies are paving a new way of working that can drive additional productivity in manufacturing and services. However, there must be a balance between adding intelligence, securing devices and protecting data. Digital transformation of business and operational processes, if well executed, will enable producers to gain organizational agility and performance visibility.

India is now the most attractive destination and sweet spot in term of investment in Refining and Petrochemical sector in the whole world. CHT is now organising the “24th Refining & Petrochemicals Technology Meet (RPTM)” during 19-21 January, 2020 in Bengaluru, India. The Deliberations during the Meet shall focus on the theme “Driving Refining & Petrochemicals towards Sustenance”

About Centre for High Technology (CHT)

CHT, a satellite organisation of Ministry of Petroleum & Natural Gas, Government of India, was established in 1987 for development of indigenous capabilities to attain technological competence and self-reliance in the Refining Sector. Being the technical wing of Ministry of Petroleum & Natural Gas, CHT advises and implements scientific and technological programmes of the Government and also renders assistance to the downstream sector for achieving excellence and progress at par with best in the world. CHT also assesses the operational performance of the refineries and develops programmes in consultation with the industry for improvement, organize Workshops/Seminars, as well as arranges centralized technical assistance. RPTM is part of CHT’s endeavor for knowledge and information sharing in the Hydrocarbon Sector. CHT has been nominated as nodal agency for implementation of Pradhan Mantri JI-VAN Yojana, to promote 2G Ethanol by providing financial assistance to set up commercial as well as demonstration units.

About Mangalore Refinery and Petrochemicals Limited (MRPL)

Mangalore Refinery and Petrochemicals Limited (MRPL) is a schedule ‘A’ Miniratna, Central Public Sector Enterprise (CPSE) under the Ministry of Petroleum & Natural Gas. MRPL is a subsidiary of Oil and Natural Gas Corporation Limited (ONGC) set up in 1988. The refinery is located at Kukapalla, north from centre of Mangalore city. The refinery has a versatile design with high flexibility to process crudes of various API gravity and with high degree of automation. MRPL has a design capacity to process 15 million metric tonnes per annum and is the only refinery in India to have two hydrocrackers producing premium diesel (high cetane) and two CCRs producing unleaded petrol of high octane. It also has a Polypropylene unit with a capacity of 4,40,000 MT/annum. The refinery had a turnover of USD 9.1 Billion during last year.
MRPL, with its parent company ONGC, owns and operates ONGC Mangalore Petrochemicals Limited (OMPL), a petrochemical unit capable of producing about 1 Million Tonnes of Para Xylene. OMPL, situated in the adjacent Mangalore Special Economic Zone (MSEZ) is integrated with the refinery operations. Para Xylene from OMPL, is sold in the export market.

**About the Meet**

The focus areas of the Meet will be:

- Aligning Refineries for sustainable future
- Refinery Integration with Bio Refining
- Moving towards Hydrogen Petrochemicals towards Sustainable future
- Crude to chemicals
- Biofuels
- Economy
  - Generation from Renewable Sources
  - Carrier of Energy
  - Fuel for Future
- Changing Energy Landscape
- Reduction of water foot print – Guiding Sustainable Operation Philosophy
- Benchmarking (Energy/Environment/ Safety)
- Advances in Refining Technologies and catalysts
- Environment Management
- Innovations
- IR 4.0
- Safety in Petrochemical units

Eminent speakers & experts in their respective fields will deliver lectures and make technical presentations during the RPTM. Experts are drawn from the operating oil & gas and petrochemical companies, R&D institutions, consultants, process licensors, catalyst manufacturers, renowned EPC contractors, etc. both from India and abroad. Besides this, case studies will also be covered.

Besides oral presentation, additional technical papers shall be covered under ‘Poster Sessions’. Exhibition Stalls will also be provided at the RPTM venue for display of products/services by vendors/consultants/ service providers etc. connected with the Hydrocarbon Sector.

**Submission of Technical Papers for Presentation**

Abstracts may be submitted online on CHT website [https://cht.gov.in/rptm](https://cht.gov.in/rptm) from 1st September, 2019 for selection for oral presentation and poster display. The last date for submission of abstracts is 31st October, 2019.
Who should attend?

Professionals from oil refining, petrochemicals, gas processing, engineering professionals involved in the design, operation & technical services and business development of refining/petrochemical sector, process licensors, consultants, vendors, scientists, academicians and manufacturers.

About Bengaluru

Bengaluru, also known as Bangalore, is the capital of the Indian State of Karnataka. Bengaluru is nicknamed the Garden City and was once called a Pensioner’s Paradise. Located on the Deccan Plateau in the south-eastern part of Karnataka, Bengaluru is India’s third most populous city.

Today as a large city and growing metropolis, Bengaluru is home to many of the most well-recognised colleges and research institutions in India. Numerous public sector heavy industries, software companies, aerospace, telecommunications and defence organizations are located in the city. Bengaluru is known as the Silicon Valley of India because of its position as the nation’s leading IT exporter. A demographically diverse city, Bengaluru is a major economic and cultural hub and the fastest growing major metropolis in India.

There are a number of expats from across the world living in the city, thanks to the growing presence of Multi-National Companies. The centre of India’s high-tech industry, the city is also known for its parks and nightlife.

Climate

Situated at a height of 949 meters (3113 ft.) above the sea level, the city is blessed with salubrious climate throughout the year. The rains are very frequent. The summers are warm. Winters are cold. But weather does not go to its extreme. The city has a lot of greenery with trees lined up along both sides of most of the roads. The numerous gardens and parks, streets lined with trees are very soothing.

Language

English will be the official language of the RPTM.

Registration & Payment

Registration and payment of delegates, sponsorship, Exhibition Stalls can be made online through CHT website: https://cht.gov.in/rptm.

The Registration Fee for attending the Meet is Rs 29,500 (Rs 25,000 plus GST @ 18%).

Pre-filled Registration form can also be obtained by entering registered email-id of 22nd or 23rd RPTM. The registration fee may also be paid by Demand Draft in favour of ‘Centre for High Technology’, payable at NOIDA, India or through direct inter-bank money transfer to the following account in HDFC Bank:

S/B A/c No.: 0394145000148 IFSC Code: HDFC0002649 SWIFT Code: HDFCINBB
PAN of CHT: AAATC0412A GST No.: 07AAATC0412AZR

There will be no registration fee for the presenters of the papers in Technical Sessions/Poster Sessions. However, travel and accommodation arrangements are to be made by themselves.

Spot Registration can also be done at the RPTM venue from 1900 hrs to 2100 hrs on 18th January, 2020 and from 0800 hrs onwards during 19-21, January, 2020.
Announcement

**Sponsorship**

The RPTM is expected to be attended by about 1300-1500 delegates from India and abroad that would provide an excellent platform for networking with Oil Companies, Process licensors, Design & Engineering Companies, R&D/Academic institutes, etc. and will be a good business exposure for all the participating companies.

The sponsorship opportunities are available for bulk participation and branding. The name of the sponsoring organization along with ‘Logo’ will be displayed adequately in all venues, prints and electronic display as acknowledgement of support and sponsorship. In addition, Sponsors will be entitled for complimentary registration of their delegates as under:

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**Exhibition Stalls**

Around 15 Exhibition Stalls of size 3 m x 3 m will be provided at the RPTM venue for display of products/services by vendors/consultants/service providers etc. connected with the Hydrocarbon Sector. The rate for each stall will be Rs 4.72 lakh (Rs 4.00 lakh plus GST@18%). Vendors booking the exhibition stalls will be entitled for free complimentary registration for two delegates. Travel and accommodation arrangements are, however, to be made by the vendor themselves.

**Venue**

Bangalore International Exhibition Centre  
10th Mile, Tumkur Road, Madavara Post, Dasanapura Hobli, NH48,  
Bengaluru 562123, India  
**Distance from Airport:** 35 km or 21.7 miles  
**Driving Time:** 40 minutes - 1 hour

**Accommodation**

Delegates/Speakers/Presenters participating in the RPTM have to make their own arrangements for accommodation at Bengaluru.

**Nearby Hotels**

1. Vivanta by Taj - Yeshwantpur : 08 Km from BIEC  
2. Sheraton : 09 Km from BIEC  
3. The Lalit : 18 Km from BIEC
Other places of attraction in Bengaluru include ISKCON temple, Lalbagh Botanical Gardens, Visvesvaraya Museum, St. Mary’s Basilica, UB City, Cubbon Park, Bannerghatta National Park, Indira Gandhi Musical Fountain, etc.

For further RPTM related queries, please contact:

Mr. P. Raman, Director, CHT, M: 9920536279
Mr. Nagendra Pratap Singh, Additional Director, CHT, M: 9971795500

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Centre for High Technology
and
Mangalore Refinery & Petrochemicals Limited