



उच्च प्रौद्योगिकी केन्द्र

(पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय), भारत सरकार

Centre for High Technology

(Ministry of Petroleum & Natural Gas), Govt. of India

CHT/ED/ 2656

Dated: 20th January, 2021

To
MD-CPCL, MD-BORL, MD-MRPL, MD-NRL, Technical Head-Nayara, Refinery Head-HMEL; ED-GR, ED-JR, ED-MR, ED-PR, ED-HR, ED-PDR, ED-BR, ED-DR, ED-BGR, ED(O) -IOC (RHQ), ED (Strategic IS)-IOC (RHQ); CGM (I/c) BPCL-MR, CGM(I/c)-BPCL KR; ED-HPCLVR, ED-HPCL MR

Sub: **Activity Committee Meeting (ACM) on "Digitalization in Refining Business Process"**.

Dear Sir,

CHT has been conducting Activity Committee Meeting (ACM) on various subjects for seamless knowledge sharing. ACM provides a platform to share latest developments / modifications / case studies / troubleshooting and best practices for improving productivity, reliability and profitability for Refineries. Normally ACM is hosted by a refinery, in coordination with CHT, wherein participants and reputed vendors make presentations on the theme of the ACM. Recently CHT conducted an online ACM on "**Strategies for Turnaround Maintenance**" in coordination with HPCL, Visakh in Nov'2020 which received overwhelming response.

The refining sector is going through a difficult period, with decreased demand for oil products and increased regulatory pressure. To stay competitive, companies need to embed digital capabilities in all aspects of their operations in order to improve yields, efficiency, price realization, market opportunities, plant availability, safety and reliability, thereby reducing costs, protecting revenues and margins. We are pleased to inform that an Activity Committee Meeting on "**Digitalization in Refining Business Process**" is proposed to be held virtually on 25th February 2021 with BPCL, Kochi as the Host in coordination with CHT.

The broad agenda of the meeting is attached as Annexure-1. We propose to have presentation as per agenda. There would be a Question & Answer session after each presentation. Refineries are requested to submit their questions concerning "**Digitalization in Refining Business Process**" through chat box during the presentation.

It is requested to nominate concerned officers (along with their Names, E-mail id and mobile No) from each Refinery / organization for their participation in the meeting. We seek your confirmation by sending nominations latest by 12th February 2021. The abstract along with draft presentation is to be submitted online latest by 15th February, 2021 for review by CHT. The final shortlisted presentation may please be submitted by 18th February, 2021.

The link to the virtual meeting shall be sent to the refineries / organization / registered participants. The Registration of delegates as per the Refinery nomination, abstract submission, Presentation will have to be done online through CHT website www.cht.gov.in. For any queries and clarification please contact by email to parthajyoti.sharma@cht.gov.in & jha.sumit1@cht.gov.in

Thanking You,

Yours sincerely,

K.K. Jain
ED CHT

CC: Dir (R), BPCL

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Liaison Office: C/o OIDB, 301, World Trade Centre, 3rd Floor, Babar Road, New Delhi-110 001

List of Recipients:

Sanjay Manchanda, Executive Director & Refinery Head, IOCL-Guwahati Refinery
Sudhir Kumar, Executive Director & Refinery Head, IOCL-Gujarat Refinery
Arvind kumar, Executive Director & Refinery Head, IOCL-Mathura Refinery
G. C. Sikder, Executive Director & Refinery Head, IOCL-Panipat Refinery
Partha Ghosh, Executive Director & Refinery Head, IOCL-Haldia Refinery
T.D.V.S. Gopalakrishna, Executive Director & Refinery Head, IOCL-Paradip Refinery
Sukla Mistry, Executive Director & Refinery Head, IOCL-Barauni Refinery
S.S. John, Executive Director & Refinery Head, IOCL- Digboi Refinery
S.P Barua, CGM & Refinery Head, Bongaigaon Refinery
Manoj Sharma, Executive Director (Operations), IOCL (RHQ), New Delhi
Alok Khanna, Executive Director (Strategic IS), IOCL (RHQ), New Delhi
Sanjay Khanna, CGM (I/c) BPCL, Mumbai Refinery
Subramoni Iyer M R, CGM (I/c) BPCL, Kochi Refinery
V.S Agashe, Executive Director, HPCL, Mumbai Refinery
V. Ratanraj, Executive Director, HPCL, Visakh Refinery
S.N. Pandey, Managing Director, CPCL, Chennai
M. Venkatesh, Managing Director, MRPL, Mangaluru
S.K. Barua, Managing Director, NRL, Golaghat
M.B. Pimpale, Managing Director, BORL, Bina
A.S. Basu, Head of Refinery, HMEL, Bhatinda
S. S Maji, Head - Technical, Nayara Energy Limited, Jamnagar

Tentative Agenda: Activity Committee Meeting (ACM) on "Digitalization in Refining Business Process".Date: 25th February, 2021**Virtual Meeting** To be hosted by BPCL, K in coordination with CHT.

Activity	Details
Inauguration (10:00-10:30)	<ul style="list-style-type: none"> ➤ Welcome address by ED-CHT ➤ Key-note address by Dir (R), BPCL ➤ Key-note address by Dir (R), IOCL; HPCL
Presentations (10:00 – 17:00) ** Lunch Break (13:30 – 14:30)	Opening remarks by Convener (BPCL-K) Presentation by Refineries on the following broad Agenda: <ol style="list-style-type: none"> 1. Intelligent, predictive and decision-making tool in refining process. 2. Concurrent real-time supply chain management and optimization 3. Continuous improvement in asset availability, reliability and integrity 4. A digital twin 5. Improved monitoring of energy use to increase operating efficiency 6. Reducing unplanned downtime with increased rate of asset utilisation. 7. Maintaining the effectiveness of control loops, controllers and models over time, so that the benefits of advanced process control are sustained. <p>The areas are generic and accordingly any major Digital Initiatives may be submitted for review.</p>
Q&A Session *	After every presentation
Concluding Session (17:00 to 17:30)	<ul style="list-style-type: none"> ➤ Key Takeaways and closing remarks by Convener, BPCL-K (Invitees: MD-NRL,MRPL,CPCL) ➤ Vote of Thanks

* Questions to be sent through chat box during the session.

Presentation to be done preferably by a Senior Officer (Senior Manager & Above)