



सत्यमेव जयते

सीएचटी न्यूज लेटर

CHT

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उच्च प्रौद्योगिकी केन्द्र
पैट्रोलीयम और प्राकृतिक गैस मंत्रालय, भारत सरकार

Centre for High Technology
Ministry of Petroleum & Natural Gas, Govt. of India

From the desk of the Executive Director



**Esteemed Readers,
Greetings!!**

Amidst the pandemic with which the humanity is confronted all over the world, New Normal is here to stay and all must exercise the necessary precautions in maintaining the COVID-19 guidelines. This festival period bought along with it much needed cheer and rejoice in these testing times. The festivities were welcomed with lot of fervor, prayers and joy and have reinstated new vigour, hope, optimism and faith and firm belief that we shall surely overcome these difficult times. Festivities also help us to rededicate ourselves to our work goals.

In this edition of the Newsletter, I am happy to recapitulate the many activities undertaken by CHT. The major important meetings include finalizing the Awards for Refinery Performance Improvement & Saksham for the year 2019-20. These Awards shall be presented during the upcoming 25th Refining & Petrochemicals Technology Meet (RPTM) at Mumbai during March 2021 and are presented to encourage competition amongst the refineries and recognize overall performance improvement. This period also witnessed holding of various important meetings viz. Review Meeting by MoP&NG on Refining Capacity Expansion, Meeting on Common Crude Oil Storage Facilities, 1st virtual Activity Committee Meeting this year on 'Strategies for Turnaround Management' in association with HPCL, Select Committee Meetings for reviewing the proposals of projects under PM JI-VAN Yojana, Petrochemical Review Meeting, Phase-II Review Meeting on Development of scheme for production of reference fuels, evaluation of Technical Committee Meeting of National Energy Conservation Award 2020 to finalize winners in the Petroleum Refinery Category, Signing of contract agreement for pipeline benchmarking study 2020 cycle, Technical evaluation of the proposals received against EOI for Catalyst Manufacturing Plants in India. For the first time, CHT participated in the Biofuture Summit of Brazilian Bioenergy Science & Technology Conference (BBEST) 2020 and Webinar on the 'Role Role of PSUs in Making Chemical Industry Aatma Nirbhar'. CHT also witnessed an important activity for Inspection of Rajbhasha / Official Language by MoP&NG along with other important official activities such as 'Janandolan COVID Campaign' & 'Rashtriya Ekta Diwas' during this period.

In the end, I wish Season's greetings to all and hope that the future continues to bring in happiness, optimism, celebrations, lights, joy, cooperation and many more pleasant things in our lives. My best wishes to all for meeting the future challenges in the times to come.

Your views, suggestions and ideas to improve the CHT Newsletter further are solicited.



(K.K. Jain)
Executive Director, CHT

Refinery Performance Awards and OGCF/ Saksham Award for 2019-20

With a view to encourage competition amongst the refineries and recognize overall performance improvement, Ministry of Petroleum & Natural Gas (MoP&NG), Government of India has instituted Awards under the following two categories:

1. Refinery Performance Improvement Award
2. OGCF/Saksham Award

The parameters and evaluation criteria are approved by MoP&NG, Govt. of India.



To finalize the awards criteria in line with award evaluation , a meeting of the selection committee constituted by MoP&NG, was held through Video Conference on 26th November 2020. These awards are to be presented to the winners from the Indian Refineries, during upcoming 25th RPTM in March 2021.

Review meeting by MoP&NG on Refining Capacity Expansion

Review meeting on Refining Capacity Expansion was held on 01st October 2020 and was chaired by Shri Tarun Kapoor, Secretary, PNG. The CMDs of various oil companies & EIL attended the meeting along with officials from CHT & PPAC. In this meeting, Shri K.K. Jain, ED, CHT presented brief overview of fuel demand materialization for 2019-20 and Crude capacity plan till 2030. Shri Tarun Kapoor, Secretary, PNG stressed on addressing the mismatch in actual demand of MS & HSD over the projections. PPAC to provide revised demand projections and CHT to compile the product availability from refineries for further deliberation.

Meeting on Common Crude Oil Storage Facilities

As mandated by MoP&NG to carry out detailed study on all aspects in respect of Common Crude oil Storage Facilities in the country, a meeting was held on 21st October 2020. The meeting was chaired by Smt. Vartika Shukla, Director (T), EIL. The participants included IOCL, BPCL, HPCL, EIL, ISPRL and CHT officials. Overview on Strategic Crude storage was provided by Shri Ahuja of ISPRL.

On 26th November 2020, a meeting was held with Adani Group on the Common Crude Oil Storage Facilities with committee members.

Status of Projects under PM JI-VAN Yojana

A meeting of the SELECT committee of SAC was held on 2nd November 2020 for submission for consideration of Grant from OIDB/CHT under 2G Bioethanol PM JI-VAN Yojana from off gases ex steel mills of Ferro Alloy plant at Chandrapur by SAIL-CFP. Committee deliberated on whether off-gases can be considered as waste as per criterion of the Yojana along with other requirements of RFS. On 17th November 2020, meeting of the SELECT committee of SAC was held along with SAIL officials and officials from M/s LanzaTech.

Technical Committee meeting of National Energy Conservation Award (NECA) 2020

A meeting of Technical Committee for finalization of awardees for National Energy Conservation Award (NECA) 2020 was convened on 9th November 2020 through video conference under the Chairmanship of Shri Prakash Mhaske, Chairperson, CEA.

The agenda of the meeting was:

- (1) Briefing about the participations under various sectors of NECA2020
- (2) Allocation of sectors to Evaluating Agencies for finalization of awardees

(3) Finalization of timeline for evaluation of questionnaires Shri K.K. Jain, ED (CHT) being one of the members of the technical committee attended the same and CHT evaluated the submissions made by the 12 participating refineries on Specific Energy Consumption to finalize the winners in the Petroleum Refinery category.

Presentation by CHT in Biofuture Summit of Brazilian Bioenergy Science & Technology Conference (BBEST) 2020

Shri K.K. Jain, Executive Director, CHT participated as a Speaker in the Brazilian Bioenergy Science & Technology Conference (BBEST) 2020 on 15th October 2020 through video conferencing. This conference brings together the vision, policies, innovation and science to enable a sustainable low carbon bio-economy among the 20 Biofuture Platform Member Countries. Shri K.K. Jain, ED, CHT shared the details regarding India's ambitious growth plan ahead and the thrust to promote major initiatives on Biofuel economy.



Shri Jain presented details on Government of India Initiatives on 'Atmanirbhar Bharat' supporting Biodiesel, PM JI-VAN Yojana, Ethanol Blending with thrust on 1G Ethanol & 2G Ethanol, Compressed Bio-Gas (CBG), Sustainable Alternative Towards Affordable Transportation (SATAT) model, Bio-ATF, Waste to Energy through Municipal Sewage Waste (MSW).

Through this conference and amidst COVID-19 crisis, efforts are being made to bring to light the need for strong economic recovery programmes across many sectors and several countries to consider the opportunity to build back better environmental considerations as an integral part of the recovery packages.

CHT's presentation in Webinar on Role of PSUs in Making Chemical Industry Aatma Nirbhar

A webinar was organized on 27th November 2020 wherein Role of PSUs in making Chemical Industry Aatma Nirbhar was deliberated by the esteemed panelists from BPCL, EIL,

HMEL, GSFC, IIM Lucknow, HIL, FACT etc.

Shri K.K. Jain, ED, CHT participated in the Webinar as a Panelist. The Public Sector Undertakings (PSUs) have proved as main pillars of India's economic growth. The key discussion points were

- Role of PSUs in developing Indian chemical sector
- PSUs emerging as a savior during the crisis
- Privatisation and Chemical PSUs
- Performance of PSUs and its impact, Modernisation
- Future of PSUs
- Need of PSUs to make India Aatma Nirbhar in chemical sector



Discussion on the Perspective plan on Petrochemicals

A meeting was held on 16th October 2020 for discussions on the perspective plan on Petrochemicals. The meeting was chaired by Shri Sunil Kumar, Joint Secretary – Refineries, MoP&NG, Govt. of India and was attended by the Directors of Oil Companies, EIL & Business Development (BD) group from IOCL. EIL along with IOCL presented a brief overview of the Perspective plan on Petrochemicals already submitted to Ministry of Chemicals and Petrochemicals for providing prevailing outlook, Supply - Demand scenario of major petrochemicals and various feed options. Follow up meeting of the committee for Review was held on 18th November 2020

Review Meeting on Phase-II - Development of Scheme for Production of Reference Fuels (Diesel & Gasoline)

Review Meeting on Phase-II - Development of Scheme for Production of Reference Fuels (Diesel & Gasoline) was held on 8th Oct'2020, 16th Oct'2020 & 2nd Nov'2020. The meeting was attended by EIL, IOC-R&D and IOC-Panipat Refinery (PR). Stream Samples for HSD & MS blend were sent from IOCL-Panipat to IOCL-R&D and the characterization of the same is in progress.

Activity Committee Meeting on 'Strategies for Turnaround Management'

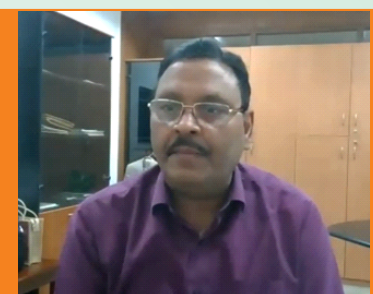
1st CHT Activity Committee Meet on "Strategies for Turnaround Management" was organized by CHT virtually in collaboration with HPCL-Visakh Refinery on 24th November 2020. Over 230 delegates from IOCL, HPCL, BPCL, MRPL,

CPCL, HMEL, BORL, Numaligarh Refineries and Nayara Energy Limited participated. The presentations by the participant refineries were based on their experiences in Turnaround Management. M/s L&T and Shri S.L. Maurya, Ex-ED-M&I IOCL and a Consultant in Petchem Commissioning & Maintenance also made a presentation and shared their experiences.

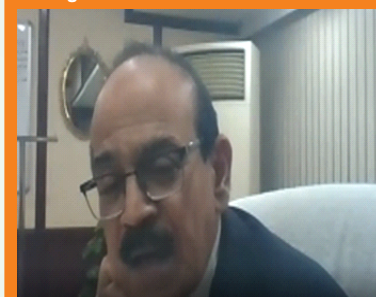
Shri V.S. Shenoy, Dir(R)-HPCL & Chief Guest for the Meet inaugurated the ACM and delivered the Inaugural address. Shri V.S. Shenoy, Dir(R)-HPCL stressed upon the fact that the intended benefit of the shutdown was of prime importance apart from finishing it in time. Shri Ratan Raj, ED-HPCL, Visakh delivered Welcome Address, followed by Opening Address by Shri K.K Jain, ED-CHT. Keynote Address was delivered by Shri V.K.Raizada, ED(M&I)-IOCL(RHQ). Shri P.Venkata Narayana, CGM-Maint, HPCL-VR was the convener of the ACM. Participants expressed that there are number of take aways for emulation at their individual refineries.



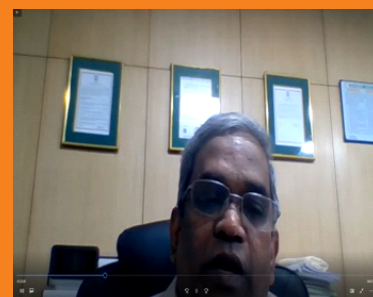
Shri V.S. Shenoy, Dir (R), HPCL and Chief Guest of the Meet delivering the Inaugural address online during the ACM on Strategies on Turnaround Management for 24th November 2020



Shri K.K.Jain, ED-CHT delivering the opening address



Shri V.K.Raizada, ED-M&I, IOCL, RHQ delivering the Keynote address online during the ACM



Shri. Ratan Raj, ED-HPCL VR delivering Welcome address during the ACM

Performance Benchmarking Study for Pipelines – 2020 cycle

CHT and M/s Solomon Associates, USA signed a contract agreement on 10th November 2020 to carry out the Pipeline Benchmarking Study 2020 cycle on behalf of IOCL, BPCL, HPCL, OIL & GAIL. The Study shall cover a total of 41 pipelines including 6 Crude, 24 product pipelines, 5 LPG pipelines & 6 gas pipelines along with 5 SPMs. The duration of the study is 9 months from the work order. Data Coordination Seminar is scheduled in 12-13 January 2021.

Catalyst Manufacturing in India

With a view to setup world class catalyst manufacturing units in India under Make in India initiative by GOI, a committee was formed under chairmanship of Smt. Vartika Shukla, Director (T), EIL to discuss with the interested parties to take it forward. The first phase of interaction was held on 29/30th September 2020 with parties namely M/s Sud-Chemie, M/s Halder

Topse, M/s Axens and M/s ART/Grace. The second phase of interaction was held on 14th and 22nd October 2020, parties like M/s REZEL, M/s HCpect, M/s CPTDC and M/s Porocel participated.

A meeting of the committee on setting up Catalyst manufacturing plants in India, was held on 23rd November 2020. During the meeting, responses received from various bidders of Catalyst Manufacturing against the EOI were reviewed and further deliberations via VC was held with the parties. Each of OIL PSU were asked to put up firm areas in which they would like to invest namely type of catalyst and other areas interest for putting up the facilities.

CHT website certified by MQAS for Web Security Audit Certificate

CHT has been successfully issued the Web Security Audit Certificate for its website on 10th October 2020. The Web Application is certified to be free from OWASP 2017 Top 10 vulnerabilities and is found safe for hosting. This certificate is valid for one year from the date of issue or till no additional changes are made in the contents whichever is earlier. Centre for High Technology (CHT) web application of Kreate Technologies LLP, New Delhi has been tested/ audited by Maverick Quality Advisory Services Private Limited (MQAS).

Janandolan COVID Campaign at CHT

Recently, CHT participated in the Janandolan COVID Campaign and placed various banners at CHT office premises and OIDB Bhawan for spreading the message to prevent COVID-19. On this occasion, Pledge on COVID-19 protocols was administered by Shri K.K. Jain Executive Director to the CHT employees on 08th October 2020.



Shri K.K. Jain, Executive Director, CHT, administering the pledge to the CHT officers on 08th October 2020 on the occasion of Janandolan COVID campaign to spread the message to prevent COVID-19

Rashtriya Ekta Diwas

Rashtriya Ekta Diwas was celebrated at Centre for High Technology on 31st October 2020. On the occasion of the birth anniversary celebrations of Iron Man of India, Sardar

Vallabhbai Patel, a pledge was administered by Shri K.K. Jain, ED, CHT to the officials online maintaining COVID-19 guidelines. All the CHT officials participated whole heartedly.

उच्च प्रौद्योगिकी केंद्र में पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय द्वारा राजभाषा / राजभाषा का निरीक्षण

भारत सरकार के पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय की उपनिदेशक (राजभाषा), श्रीमती शोभना श्रीवास्तव जी ने राजभाषा के कार्यान्वयन में हुई प्रगति का आंकलन करने के लिए, 25 नवंबर 2020 को उच्च प्रौद्योगिकी केंद्र (सीएचटी) में राजभाषा निरीक्षण किया। इस अवसर पर सीएचटी की हिंदी कार्यान्वयन समिति के अध्यक्ष एवं कार्यकारी निदेशक, श्री के.के. जैन ने सीएचटी में श्रीमती शोभना श्रीवास्तव का स्वागत किया। उन्होंने दिन-प्रतिदिन के कामकाज में राजभाषा में कार्यान्वयन पर सीएचटी की प्रतिबद्धता को फिर से दोहराया। इस अवसर पर श्रीमती रेनु रैना, संयुक्त निदेशक और सदस्य, हिंदी कार्यान्वयन समिति, सीएचटी, श्री सत्यवीर सिंह, अतिरिक्त निदेशक (मानव संसाधन) और हिंदी कार्यान्वयन समिति, सीएचटी के सदस्य, कार्यकारी सचिव, श्री विजय सिंह भी मौजूद थे। पेट्रोलियम और प्राकृतिक गैस मंत्रालय द्वारा उपलब्ध कराई गई प्रश्नावली के आधार पर उच्च प्रौद्योगिकी केंद्र में राजभाषा कार्यान्वयन की समीक्षा की गई। श्रीमती शोभना श्रीवास्तव जी ने भारत सरकार की राजभाषा नीति, नियमों और कार्य पर प्रकाश डाला और हिंदी कार्यान्वयन की दिशा में सीएचटी द्वारा किए जा रहे कार्यों की सराहना की। निरीक्षण बैठक का समापन धन्यवाद ज्यापन के साथ किया गया।

