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Special Report

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EIL and CSIR-NCL join hands for development of technologies pivotal to Methanol Economy

With Di-methyl Ether (DME) emerging as a new sustainable alternative and potential blend for LPG, this synergy between the catalysis & chemicals expertise of CSIR-National Chemical Laboratory and the engineering prowess of Engineers India Limited will lead to a significant reduction in the nation's LPG/Crude bill and bolster the Atmanirbhar Bharat initiative

12 EXCEED Reports 2020 Resilience – Positive 2021

13 Petronas releases its 2021-23 industry activity outlook

PETRONAS is pushing further for the increase in use of gas as a cleaner source of fuel in the energy transition while building capabilities in renewable energy

18 \$60 billion for natural gas infrastructure

India is set to expand the natural gas grid to 34,500 km, by adding another 17000 km of gas pipeline



Ushering a gas-based economy by increasing the share of natural gas in India's primary energy mix from 6.2% to 15 % by year 2030 with the target of 'One Nation One Gas Grid'. The regasification capacity of existing 42 MMTPA will be expanded to 61 MMTPA by year 2022. Natural gas marketing reforms have been announced to prescribe standard procedure to discover market price across various contractual regimes through a transparent and competitive manner. Also, India has rationalized tariff to make natural gas affordable in every part of the country. India's first automated national-level gas trading platform and expansion of coverage of City Gas Distribution projects to cover 232 Geographical Areas spread over 400 districts, with a potential to cover about 53% of country's geography and 70% of population. With greater use of LNG as a transportation fuel including long haul trucking. On the investments front, India envisages a spend of \$60 billion in creating gas infrastructure till 2024, including for pipelines, LNG terminals and CGD networks

24 ONGC gets India its 8th producing basin

Seven decades of relentless endeavours by India have borne fruits. Bengal Basin is finally on the world oil & gas map. The crude here has a gravity of 41 which is among the best in the world. ONGC has so far discovered and put to production seven out of the eight producing basins of India covering 72 percent of established oil and gas reserves. A report:



"Till now, ONGC has invested Rs. 3361 Crore to explore hydrocarbon in the Bengal Basin. Rs. 425 Crore will be spent on exploration activities in the basin in the coming two years"

CMD, ONGC

"The future exploration strategy of ONGC is aimed at consolidating and systematic expansion of the Play Based Exploration approach across all basins a paradigm shift in exploration focus"



D (E), ONGC

Cover Focus

46 The Women Force!

- ▶ Where many failed, she proved the women force! (Susan Morrice, Co-Founder and Director/Chairperson, BNE)
- ▶ Researching a new concept: Geothermal-Solar hybridization (Namrata Bist Rawat, Faculty & Researcher, SPT, PDP)
- ▶ First ever woman functional Director of India's largest oil and gas company (Dr Alka Mittal, Director-HR, ONGC)
- ▶ Developer of comprehensive digital and automation strategies for oil and gas industry (Nelia Mazula, Global Account Manager, Oil and Gas, Siemens Digital Industries Software)
- ▶ A visionary and an engineering project management expert (Vartika Shukla, Director-Technical, Engineers India Limited)
- ▶ A proud sportswoman and an equally proud Oil Indian! (Krishna Hazarika Rao, Deputy General Manager- PR, OIL)
- ▶ Pursuing to create a "Google like Search Engine" for E&P (Dr. Geetha Gopakumar Nair, Senior Data Scientist – Senior Technical Advisor, Halliburton Inc, USA)
- ▶ Second Indian woman to earn UNESCO-Geothermal fellowship (Dr. Kriti Yadav, Project Coordinator, CEGE, SPT, PDP)
- ▶ A Human resource, library science and information specialist with novel work style (Sharon Pal Kaur, Chief Manager-HRD & Library, GAIL India)



Inspiring stories of nine women achievers from the oil & gas, engineering industry and academia

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Face to Face

14 'There has to be a lot more consolidation'



Occidental CEO Vicki Hollub on the company's future as a "Carbon Management Company," Its Strategy in Direct Air Capture of CO2: Expectations for more industry consolidation and why it will be hard for U.S. oil output to return to pre-pandemic highs



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'Oil and gas will be with us for many years and our challenge is to provide it in a sustainable manner'

Given the ongoing impacts of COVID-19 from around the world, including health and safety concerns and travel restrictions, along with the extraordinary challenges our industry is facing, the Chief Editor, DEW Journal, Arun Kumar Singhal talks to Dr Pierce Riemer, Director General, World Petroleum Council on the future of oil and gas industry and the existence of the World Petroleum Congress.