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THE TIMES OF INDIA

City-based Dastur joins US-funded study on carbon capture

TNN | Dec 26, 2020, 06.40 AM IST

Kolkata: City-based Dastur Energy Inc, along with Dastur International and MN Dastur (MND) & Co, is set to carry out a feasibility study at the 13.7 mtpa Koyali Refinery of Indian Oil Corporation (IOCL) in January, 2021. Dastur International is an independent company under the MND family.

This will be the country's the first refinery carbon capture and utilization project, in which TX-based Air Liquide Global E&C Solutions and Austin TX-based Bureau of Economic Geology at the University of Texas will also participate.

The study is funded by the United States Trade and Development Agency as part of its mission to promote the development of sustainable infrastructure projects and fostering economic growth in partner countries like India.

The IOCL operates 11 of the country's 23 refineries while the one at Koyali is its flagship refinery. They want the carbon dioxide captured from its hydrogen generation units to carry out the enhanced oil recovery (EOR) at the nearby ONGC oil field at Gandhar in Gujarat. The EOR will help in raising the oil production at Gandhar oil fields while trapping the carbon dioxide permanently underground. The study will, however, go through the technical viability, economic cost and feasibility of capturing carbon dioxide and using for the EOR.

Atanu Mukherjee, president and chief executive officer of Dastur told TOI, "Designing a viable carbon capture solution and reducing their net cost of capture while creating an economic value from carbon dioxide is a challenge faced by many industrial leaders who are seeking to cut down on emissions. The study is a key pillar of its longer roadmap to reduce carbon emissions."

