

Centre of Excellence on Hydrogen.

February 19, 2021

In News: A statement of intent was signed between Indian Oil Corp. Ltd. and M/s Greenstat Hydrogen India Pvt. Ltd., a subsidiary of Greenstar Norway for setting up the Centre of Excellence on Hydrogen.

Potential Benefits of Centre of Excellence on Hydrogen (CoE-H)

- The CoE-H will facilitate transfer and sharing of technology, know-how and experience through the green Hydrogen value chain and other relevant technologies including hydrogen storage and fuel cells.
- The CoE-H will be a vehicle for promoting R&D projects in Green and Blue Hydrogen between Norwegian and Indian R&D institutions/universities.
- Working closely with Industry and Governments on both sides, CoE-H will be leveraging its intellectual strengths in developing cost-efficient and scalable and sustainable technological solutions.
- The CoE-H will also pilot fuel cell research. The institute will also act as a think-tank towards developing codes and standards for best industrial practices, safety, product protocols and regulations in the area of hydrogen and fuel cells.
- The partnership between Indian Oil and Greenstar will actively assist partners/ stakeholders to develop business models based upon feasibility studies besides facilitating consultancies to industry, utilities and regulators on hydrogen storage, hydrogen production, refueling stations, fuel cells and CCUS technologies.

Pilot Project

- This pilot project for blending hydrogen with compressed

natural gas for use as transportation fuel is running at Rajghat Bus depot in Delhi.

- Under this pilot, 50 buses in Delhi are playing on blended Hydrogen in Compressed Natural Gas