



CM Approved the establishment of the Country's 1st Hydrogen Fuel Industry in Jamshedpur

Why in News?

On July 29, 2023, Jharkhand Chief Minister Hemant Soren approved the establishment of the country's first hydrogen fuel industry in Jamshedpur in the state.

Key Points:

- After this initiative of the Chief Minister, now along with petrol, diesel and batteries, vehicles in the country will soon run on hydrogen fuel.
- In this regard, the Chief Minister has developed Hydrogen Internal Combustion Engine, Fuel-agnostic Engine, Advance Chemistry Battery, H2 Fuel Cell and H2 Fuel Cell in 'Jamshedpur, East Singhbhum' by TCPL Green Energy Solutions Private Limited (TGESPL), a joint venture of Tata Motors and Cummins Inc. (USA). In anticipation of the approval of the Single Window Clearance Committee and High Power Committee for the establishment of the unit for the manufacture / production of H2 Fuel delivery systems, has agreed to the proposal to sign MoU with TGESPL on the above investment proposal.
- After this MoU, the way will be paved for the establishment of the country's first hydrogen fuel industry in Jamshedpur. In this work, the latest technology of making hydrogen engines will be used, which will benefit the whole country in the coming times.
- According to the classified sector wise mega project of Jharkhand Industrial and Investment Promotion Policy 2021, the above mentioned project is related to construction.
- On the basis of investment and direct employment received from this unit, the unit has been classified under the mega category.
- The proposed capacity of this unit is 4000+ Hydrogen IC Engine/Fuel Agnostic Engine and 10,000+ Battery system, for which the proposed investment is Rs 354.28 crore.
- According to an estimate, the unit will ensure employment of more than 310 direct and indirect people.
- It is noteworthy that hydrogen is such a fuel, whose capacity is more than other fuels. Its energy label is high. It is cheap and light. In such a situation, it can be considered a better option between petrol and diesel.
- Hydrogen fuel can help in controlling pollution to a great extent.
- Creation of production capacity of 4000+ Hydrogen IC Engines/Fuel Agnostic Engines and 10,000+ Battery Systems to meet the needs of Hydrogen Engines in the Indian market and globally Local industrial ecosystem to supply essential requirements and set up new ancillary units will promote