

It is critical for India to harness the energy from hydrogen to attain the sustainable development goals effectively. Examine.

Recently in FY 2021 the Govt tried to announce to launch hydrogen National Hydrogen Energy Mission (NHEM).

Sustainable Development Goal (SDG):

→ Decided to reduce Carbon Emission
• Acc to Global Pollution Index India is the 2nd largest producer of Carbon (which affects Environment)

→ Decided to use 150 Gw of electricity from Renewable Energy. include:
Solar Energy,
Wind Energy
Tidal Energy
& etc.

→ Help in reduction of Carbon gas in environment.

* Hydrogen Contribution:

→ In Industry:
• Can be used in industry for treatment like fertiliser industry & etc for

→ In Transportation:
• Can be used for vehicles, trucks & etc.

- helps in reduction of pollution and increase the contribution toward Green Economy.

Why Now:-

→ Humans got Enough Knowledge & technology to counter the effects

→ It can act as attractive proposition and is also an less expensive as compared to previous times (1960s).

→ will act as a urgency for global-scale coordination, action.

Govt's Role:-

- plan to be once a global hub for green hydrogen.
- bet will contribute upto 70% of the green hydrogen
- should volunteer purchasing mechanism.

Way Forward:-

- Govt should incentivise to purchase green hydrogen components
- Need to identify hydrogen production clusters closer to renewable park.
- Need to take steps to harness the type of hydrogen.