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Country's First Passenger Train to Run On Hydrogen Fuel

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Why in News

The Indian Railways has decided to introduce the **country's first hydrogen-fuelled train**.

Initially, the hydrogen fuel-based technology will be introduced on the 89 km long Sonipat-Jind route.

Key Points

- The Indian Railways has decided to introduce the country's first hydrogen-fuelled train under the **'National Hydrogen Energy Mission'**.
- Initially, 2 DEMU rakes will be converted, and later 2 hybrid narrow gauge locos will be converted based on hydrogen fuel cell power movement.
- Significantly, this decision has been taken to cut down on the Green House Gas (GHG) emission under **'Paris Climate Agreement 2015'** and **'Mission Net Zero Carbon Emission Railway'** by 2030.
- So far, this method of power generation in railways is being used by Germany and Poland only.