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## Country's First Passenger Train to Run On Hydrogen Fuel | Haryana | 10 Aug 2021

### 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 Sonapat-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.

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PDF Reference URL: <https://www.drishtiias.com/statepcs/12-08-2021/haryana/print>