



India's First SSLNG Plant in Madhya Pradesh

Why in News?

Recently, the Union Ministry of Petroleum and Natural Gas dedicated to the nation **India's first small-scale liquefied natural gas (SSLNG)** unit at **GAIL (India) Ltd's** in Vijaipur, Madhya Pradesh.

Key Points

- The government aims to increase the share of [natural gas](#) in its **primary energy mix to 15% by 2030** from a little more than 6% at present.
 - This is because natural gas is far less polluting than **conventional hydrocarbons like coal and oil**; it is also **cheaper than oil**, more than 85% of India's requirement for which is met through costly imports.
 - Natural gas is seen as a **key transition fuel in India's journey towards [green energy](#) and future fuels**.
- However, a **major challenge** in scaling up gas consumption lies in the **transportation of gas to places that are not connected** by the country's natural gas pipeline grid.
- **Small-Scale Liquefied Natural Gas (SSLNG):**
 - It refers to the **liquefaction of natural gas** and its transportation using unconventional means in a significantly **smaller-scale operation than the usual large-scale liquefaction, regasification, and transportation infrastructure and processes**.
 - The SSLNG chain can start from a large-scale LNG import terminal from where the LNG, instead of being regasified and supplied through pipelines, can be transported to consumers by cryogenic road tankers or small vessels.
 - The chain can also start at locations with ample natural gas supply or production, where small liquefaction plants can be set up.
 - The SSLNG unit at Vijaipur, which is GAIL's largest gas processing facility, is an example of the latter kind of location.

How Liquefied Natural Gas (LNG) is made



