

Long-Term Low Emission Development Strategy

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About Long-Term Low Emission Development Strategy:

The salient features of the strategy are:

- The focus will be on the rational utilization of national resources with due regard to energy security. The transitions from fossil fuels will be undertaken in a just, smooth, sustainable and all-inclusive manner.
 - The **National Hydrogen Mission launched in 2021** aims to make India a green hydrogen hub.
- Increased use of biofuels, especially ethanol blending in petrol, the drive to increase electric vehicle penetration, and the increased use of green hydrogen fuel are expected to drive the **low carbon development of the transport sector**.
- **Smart city initiatives, integrated planning of cities for mainstreaming adaptation** and enhancing energy and resource efficiency, effective green building codes and rapid developments in innovative solid

and liquid waste management.

- Improving energy efficiency by the **Perform, Achieve and Trade (PAT) scheme, National Hydrogen Mission**, high level of electrification in all relevant processes and activities, enhancing material efficiency and recycling leading to expansion of circular economy, and exploring options for hard-to-abate sectors, such as steel, cement, aluminium and others.
- India is on track to fulfilling its NDC commitment of **5 to 3 billion tonnes of additional carbon sequestration in forest and tree cover by 2030**.
- Provision of **climate finance by developed countries** will play a very significant role and needs to be considerably enhanced.

India's approach is based on the following four key considerations that underpin its long-term low-carbon development strategy:

- India has contributed little to global warming, its historical contribution to cumulative global GHG emissions being minuscule despite having a share of ~17% of the world's population.
- India has significant energy needs for development.
- India is committed to pursuing low-carbon strategies for development and is actively pursuing them, as per national circumstances
- India needs to build climate resilience.

The two themes of “**climate justice**” and “**sustainable lifestyles**”, alongside the principles of Equity and Common But Differentiated Responsibilities and Respective Capabilities (CBDR-RC), in the light of national circumstances, that India had emphasized at Paris, are at the heart of a low-carbon, low-emissions future.

Source : **PIB**

Source: <https://vajiramandravi.com/current-affairs/long-term-low-emission-development-strategy/>

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