

China's Energy Security and Water Resource Control Beijing frames this initiative within its carbon neutrality goals, emphasizing the project's role in generating clean, renewable energy. The ...

How are India-Argentina relations relevant to the UPSC exam? What significance do topics like India's rights in the WTO, the Big Beautiful Bill Act and Special Intensive Revision have for ...

The Indian PM's July 2-9, 2025 tour, one of his longest, included Brazil (for the BRICS Summit) and four Global South nations -- Ghana, Trinidad & Tobago, Argentina, and Namibia -- highlighting India's outreach and solidarity with ...

Green hydrogen, produced through the electrolysis of water using renewable energy sources like solar or wind power, is rapidly emerging as a key component in the global transition towards a low-carbon economy.

Rare Earth Elements (REEs) are a group of 17 minerals that have become vital for modern industries and national security. They are used in a wide range of applications, including clean ...

India plans to allow 49% FDI in nuclear power to boost clean energy, meet rising demand, and attract foreign investment by easing liability laws. This move aims to cut coal reliance, strengthen global partnerships, ...

Non-fossil fuels now make up 50.1% of India's installed power capacity--five years ahead of the target. Let's understand this key UPSC current affairs topic by linking it with relevant static ...

The National Green Hydrogen Mission aims to create a conducive ecosystem for the development and deployment of green hydrogen technologies, facilitating a sustainable and self-reliant energy system while simultaneously ...

REEs are often described as the "seeds of modern technology." Their unique properties make them critical in several sectors: Clean Energy: They are used in magnets inside wind turbines, ...

Solar energy systems: What is the science behind clean energy generation? There are fundamentally two ways to generate electricity. The first is based on electromagnetic induction, ...

India achieving 50% non-fossil fuel power capacity ahead of its target reflects a fundamental transformation in its energy architecture. Identify the key policy and technological drivers of ...

UPSC Current Affairs, Global Energy Independence Day on July 10 highlights the urgent need for sustainable aviation fuel (SAF) to reduce aviation emissions. With India poised to produce 40 ...

Q. India's clean energy transition faces growing risks from mounting e-waste, especially lithium-ion battery waste. Examine the key challenges and root causes of rising e-waste in India. ...

In 2022, the Ministry of Mines identified 30 critical minerals based on their strategic importance to clean energy and future technologies, high import dependence, domestic resource constraints ...

India recently achieved a major energy milestone: its renewable energy installed capacity has overtaken coal-based thermal power capacity. This marks a historic shift in the country's ...

Description The Uttarakhand government has officially approved the Geothermal Energy Policy 2025, marking a significant step toward harnessing clean and sustainable energy sources. ...

Moreover, just approx 6% of total energy consumption is clean, as fossil fuels still dominate sectors like industry, transport, and households. Heavy Reliance on Solar Energy: In 2024, India set a record by installing 30 GW of renewable ...

India's achievement of 20% ethanol blending ahead of schedule represents a critical milestone in the clean energy transition. This demonstrates how policy implementation can address energy ...

Access to Critical Minerals and Energy Security: Namibia is rich in uranium, lithium, zinc, and rare earth metals, making it a key partner for India's energy transition and green technology ...



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