



DATE: 24 FEBRUARY 2026

1 Green Ammonia (Source: *The Indian Express*)

Green ammonia is synonymous with ecofriendly Ammonia, while **Grey Ammonia** is synonymous with carbon-releasing production methodology.

- It is through Haber Process that Ammonia is produced.

How is Green Ammonia helpful?

- Will help in decarbonizing India's fertilizer sector.
- The present manufacturing process is leading to high greenhouse gas emissions (green hydrogen emits less than 2 kg of CO₂ per kilogram, compared to up to 12 kg CO₂ from conventional grey hydrogen).
- India consumes approximately 17-19 million tonnes of ammonia annually, making it imperative to produce green ammonia.
- Will help to enhance resilience during geopolitical disruptions.
- Generate new employment opportunities.
- India's goal of achieving net-zero carbon emissions by 2070 will be achieved through this.

How is the government helping?

- The government is offering financial incentives under the National Green Hydrogen Mission, with Production-Linked Incentives.
- Payment Security Mechanism (PSM) is also committed to de-risk potential payment delays from fertilizer companies..

Why is Ammonia needed?

- Ammonia is an essential component in urea and other nitrogen-based fertilizers.
- Roughly 50% of global food production is dependent on nitrogenous fertilizers.
- It is used in other industries like plastics, explosives, and textiles as a basic ingredient.
- Ammonia is used in wastewater treatment.
- It is widely used in industrial cooling systems



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2 C Rajagopalachari (Source: *The Hindu*)

- Chakravarti Rajagopalachari, popularly referred to as **Rajaji**, was referred to as the 'Keeper of his conscience' by Mahatma Gandhi .

Facts to know

- He participated in agitations against the Rowlett Act, the Non-Cooperation movement, the Vaikom Satyagraha, and the Civil Disobedience Movement.
- Rajaji served as the **last Governor-General of India till 1950**.
- He has been **conferred with Bharat Ratna in 1954** for his contribution to Indian politics and literature.
- He **formed the Swatantra Party** to oppose the socialist and interventionist policies of the government. Important leaders of the party included MinoMasani, N.G. Ranga, and Gayatri Devi.
- His books include retelling of the Mahabharata and Ramayana in English, and Ramayana – Chakravarti Thirumagan in Tamil.



Do you know

- **Rajaji National Park**, located in Uttarakhand, is known for its Elephants.
- **Rajaji Tiger Reserve** is situated along the hills and foothills of the Shivalik ranges.

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3 What is Direct Benefit Transfer (DBT) (Source: *The PIB*)

Direct Benefit Transfer is the newest mechanism of transferring cash subsidies and benefits to the beneficiaries.

- It was introduced to address the challenges of physical cash transfer to the beneficiaries.

What do you need to know?

- The funds are directly transferred to the Aadhaar-seeded bank accounts of beneficiaries.
- The **Central Plan Scheme Monitoring System** under the Office of the Controller General of Accounts is used as the platform for the transfer of benefits.

What benefits from older system?

- Direct transfer would reduce leakages in subsidy transfer.
- The delay in disbursement of subsidies will be reduced.
- Will help in identifying and removing ghost beneficiaries.



Schemes utilising DBT

- PAHAL- LPG subsidy.
- PM-KISAN- Farmer subsidy.
- PDS- Ration card subsidy.
- MGNREGA-Wage transfer

4 Convention on Biological Diversity (CBD) (Source: *Down To Earth*)

The Convention on Biological Diversity is dedicated to promoting sustainable development and 1992 Rio Earth Summit.

- The core focus is to encourage actions, which will lead to a sustainable future.



What are the protocols under the convention?

- **Cartagena Protocol on Biosafety:** Aims to ensure the safe handling, transport, and use of living modified organisms.
- **Nagoya Protocol on Access and Benefit Sharing:** Aims at sharing the benefits arising from the utilization of genetic resources fairly and equitably.

What is biodiversity?

- Biodiversity is all the different kinds of life you'll find in one area—the variety of animals, plants, fungi, and even microorganisms like bacteria that make up our natural world.
- Biodiversity supports everything in nature that we need to survive: food, clean water, medicine, and shelter.

What need to be known about CBD

- The convention focuses on conservation of biological diversity, sustainable use, and equitable sharing of benefits.
- The secretariat is located in Montreal.
- Conference of Parties(COP) meet every two years to assess its efficacy.