



EVERYDAY CURRENT AFFAIRS – FEBRUARY 26, 2025

CONFERENCES & SUMMITS

- **Prakriti 2025: Advancing India's Carbon Market**
- ✓ The first International Conference on Carbon Markets, Prakriti 2025, was held in New Delhi on February 24-25, 2025, marking a crucial moment in India's climate action strategy.



- ✓ Organized by the Bureau of Energy Efficiency (BEE) under the Ministry of Power, the event brought together over 600 delegates, including policymakers, industry leaders, researchers, and international experts, to discuss the future of carbon markets in India.

SCIENCE, TECHNOLOGY & ENVIRONMENT

- **Moon's South Pole: First Detailed Geological Map Unveiled**

- ✓ Indian scientists have achieved a historic breakthrough by creating the first-ever detailed geological map of the Moon's south-pole, using data from the Chandrayaan-3 mission.



- ✓ This new map provides crucial insights into the lunar surface, offering valuable information about the region's topography, crater formations, and geological history.
- ✓ The research, a collaborative effort between the Physical Research Laboratory (Ahmedabad), Punjab University (Chandigarh), and ISRO's Laboratory for Electro-Optics Systems, marks a significant step in understanding the Moon's evolution.
- **Green Transition Alliance India (GTAI)**
- ✓ Denmark announced the Green Transition Alliance India (GTAI) initiative.



- ✓ The Green Transition Alliance India (GTAI) initiative has been launched by Denmark to strengthen collaboration with India on sustainable energy solutions.
- ✓ It will help in the commitment to achieve global carbon neutrality.
- ✓ This new alliance will play a key role in fostering sustainable energy growth in India by creating an ecosystem that promotes collaboration between businesses, government bodies, research institutions, and financial stakeholders of both countries.

REPORT

➤ **International Energy Agency (IEA) released Electricity 2025 Report**

- ✓ Global energy demand rose by 4.3% in 2024 and forecast to continue to grow at close to 4% out to 2027.



- ✓ China emerged as highest consumer of electricity leaving behind US or EU.
- ✓ India - Electricity demand surged 5.8% in 2024, and forecast to grow at an average 6.3% annually from 2025- 2027.
- ✓ India's thermal power capacity will rise to 283 GW by 2032.
- ✓ Coal remains dominant with 74% of India's power mix in 2024.
- ✓ Renewable energy share to grow from 21 % (2024) to 27% (2027), with solar PV leading the expansion.
- ✓ Nuclear power rose 13% in 2024, and set to triple from 8.2 GW to 22.5 GW by 2031-32.

