



13 November 2024

**National and International News**

<p><b>Inflation</b></p>	<p><b>Why in news?</b></p> <ul style="list-style-type: none"> <li>• Food prices drive retail inflation to 6.2% in October.</li> </ul> <p><b>Key Points:</b></p> <ul style="list-style-type: none"> <li>• It refers to a <b>steady rise in the prices of various goods and services</b> in the economy.</li> <li>• It is measured on a year-on-year basis.</li> <li>• It is usually expressed as a rate as follows: <ul style="list-style-type: none"> <li>◦ <b>Rate of Inflation = (Price in this Period – Price in the Previous Period) X 100/Price in the Previous Period</b></li> </ul> </li> <li>• In India, inflation is mainly measured through 2 price indices – <b>the Wholesale Price Index (WPI) and the Consumer Price Index (CPI)</b>.</li> <li>• Another measure of inflation frequently used across the world is – <b>GDP Deflator</b>.</li> </ul>
<p><b>Carbon Trading</b></p>	<p><b>Why in news?</b></p> <ul style="list-style-type: none"> <li>• Countries gathered in Baku for the annual climate conference, COP29, to approve a long-awaited agreement to finalize a global carbon market.</li> <li>• This market will enable countries to trade carbon credits—certified reductions in carbon emissions—with one another. The price of these credits will be determined by the emission limits set by individual countries.</li> </ul> <p><b>Key Points:</b></p> <ul style="list-style-type: none"> <li>• Carbon trading is the <b>process of buying and selling permits and credits that allow the permit holder to emit carbon dioxide</b>.</li> <li>• It is a <b>market-based system aimed at reducing greenhouse gasses that contribute to global warming, particularly carbon dioxide emitted by burning fossil fuels</b>.</li> <li>• An emissions trading scheme (<b>cap-and-trade system</b>) sets a <b>regulatory ceiling or ‘cap’ on greenhouse gas emissions being regulated under the scheme</b>.</li> <li>• The right to emit a tonne of CO2 is often referred to as a carbon ‘credit’ or carbon ‘allowance’.</li> <li>• There are broadly two types of carbon markets: compliance and voluntary.</li> <li>• Examples – European Union’s Emissions Trading System(ETS)</li> <li>• The <b>Clean Development Mechanism (CDM), adopted under the Kyoto Protocol</b> in 1997.</li> <li>• Emission-reduction projects in developing countries have generated carbon credits used by industrialized countries to meet part of their emission reduction targets.</li> </ul>



India's Renewable Energy Sector

Why in news?

- The Ministry of New and Renewable Energy (MNRE) has published new data showing significant growth in India's renewable energy sector between October 2023 and October 2024.
- This progress highlights India's dedication to meeting its clean energy objectives in alignment with the 'Panchamrit' goals.

Key Points:

- India's installed non-fossil fuel capacity has increased 396% in the last 8.5 years and stands at more than 207.76 GW (including large hydro and nuclear), which is about 46% of the country's total capacity.
- The country has set an enhanced target at the **UNFCCC's COP26 (Glasgow, 2021) of 500 GW of non-fossil fuel-based energy by 2030** - the world's largest expansion plan in renewable energy under the Panchamrit pledge.
- As per REN21 Renewables 2024 Global Status Report, **India stands 4th globally in RE installed capacity (including large hydro), 4th in Wind Power capacity and 5th in Solar Power capacity.**
- **The Panchamrit goals are India's five key climate action plan points:**
  - **Non-fossil fuel energy capacity:** Achieve a non-fossil fuel energy capacity of 500 gigawatts (GW) by 2030
  - **Renewable energy:** Meet at least half of India's energy requirements from renewable energy by 2030
  - **Carbon emissions:** Reduce carbon dioxide (CO2) emissions by 1 billion tons by 2030
  - **Carbon intensity:** Reduce the carbon intensity of India's economy by 45% by 2030, based on 2005 levels
  - **Net-zero emissions:** Achieve the goal of net zero carbon emissions by 2070

NISAR Mission



Why in news?

- The new NASA-ISRO satellite, '**NISAR,**' is set to transform **Earth monitoring and enhance disaster preparedness.**

Key Points:

- NISAR (NASA-ISRO Synthetic Aperture Radar) is a groundbreaking **joint mission between NASA and ISRO.**
- This collaborative effort aims to measure Earth's dynamic surfaces, changing ecosystems, and ice masses.
- NISAR will provide crucial information about biomass, natural hazards, sea level rise, and groundwater.
- Its objectives are to study **surface changes, monitor natural hazards, analyze climate patterns, and enhance our understanding of Earth's dynamic ecosystems from space, surveying the planet's land and ice every 12 days** over its three-year mission life.



## Daily Current Affairs Encyclopedia

	<ul style="list-style-type: none"> <li>The satellite will observe movements from <b>earthquakes, ice sheet movements, landslides and volcanic activity, track changes in forests, wetlands and farmland and even check infrastructure stability.</b></li> <li><b>Significance of NISAR Mission:</b> <ul style="list-style-type: none"> <li><b>Earth observation and monitoring:</b> NISAR will regularly monitor Earth's ecosystems, surface dynamics, and ice masses every 6 days for 3 years, providing critical data on biomass, natural hazards, sea level rise, and groundwater.</li> <li><b>Technological advancements:</b> NISAR is the first satellite mission to utilize dual-band synthetic aperture radar (L-band and S-band), enabling high-resolution imaging and precise surface change measurements in all weather conditions.</li> <li><b>Revolutionizing Earth Science:</b> NISAR's radar imagery will enable comprehensive monitoring and analysis of land surface changes, resource management, hazard preparedness, and ongoing crises across local and regional scales.</li> <li><b>International collaboration:</b> NASA and ISRO's partnership on NISAR emphasizes international cooperation in space exploration and scientific research.</li> </ul> </li> </ul>
<p><b>Foreign Contribution Regulation Act (FCRA)</b></p>	<p><b>Why in news?</b></p> <ul style="list-style-type: none"> <li>The Union Home Ministry has cited 17 reasons for denying or revoking the Foreign Contribution (Regulation) Act (FCRA) registration of a non-governmental organization (NGO), including the diversion of foreign funds for anti-development activities, inciting harmful protests, and promoting religious conversions.</li> </ul> <p><b>Key Points:</b></p> <ul style="list-style-type: none"> <li>It is a <b>law enacted by Parliament to regulate foreign contributions (especially monetary donations) provided by certain individuals or associations to NGOs and others within India.</b></li> <li>The Act, in its consolidating form, was originally passed in 1976 and majorly modified in 2010.</li> <li>The Act aims to <b>prevent foreign organizations from influencing electoral politics, social, political, economic, or religious discussions in India</b> for wrong purposes and activities detrimental to the public interest.</li> <li>The Act falls under the purview of the <b>Ministry of Home Affairs (MHA).</b></li> <li>'Foreign Contribution' means the <b>donation, delivery or transfer made by any foreign source of any:</b> <ul style="list-style-type: none"> <li>article (not being an article given to a person as a gift for his/her personal use, the market value of which is not more than one lakh rupees);</li> </ul> </li> </ul>

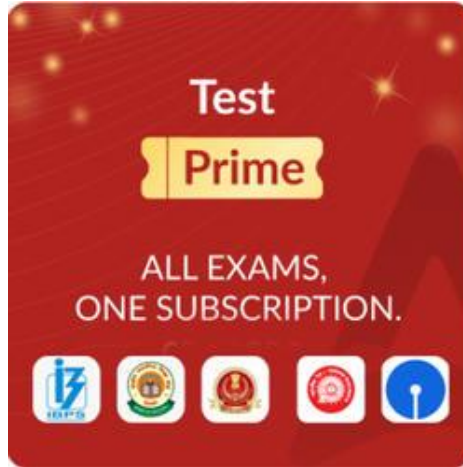


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	<ul style="list-style-type: none"> <li>○ currency (whether Indian or foreign);</li> <li>○ security.</li> <li>● Contributions made by a citizen of India living in another country (e.g. a Non-Resident Indian (NRI)) from his/her personal savings through the normal banking channels, will not be treated as foreign contributions.</li> <li>● The foreign contribution received has to be <b>utilized only for the purpose for which it has been received, and not more than 20% of the foreign contribution received in a financial year can be utilized to defray administrative expenses.</b></li> <li>● The FCRA requires every person or NGO seeking to receive foreign donations to <b>open a bank account for the receipt of foreign funds in the State Bank of India, Delhi.</b></li> </ul>
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