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#### **GS** Paper 3

UPSC Syllabus Topic: GS Paper 3 Indian Economy - Growth and Development.

## Innovative Endeavours in India – Reassessing the Risk-Reward Matrix for Advancing Innovation Gains

#### **Advantages of India in Terms of Innovation:**

- 1. World-Class Tech Talent: India boasts a highly skilled IT workforce, contributing to its technological capabilities.
- 2. **Startup Ecosystem:** The country has a rapidly maturing entrepreneurial ecosystem, with over 1,12,718 DPIIT-recognized startups, making it the third-largest globally.
- 3. Access to Smart Capital: India benefits from rising Foreign Direct Investment (FDI) and a healthy state of banks, providing access to smart capital and significant financial resources.
- 4. **Strong Academic Institutions:** Renowned institutions like IITs, IIMs, and IIITs contribute to the availability of high-quality education and research.
- 5. **Supportive Policy Environment:** Initiatives like the Startup India Scheme and Funds of Funds for Startups create a favourable policy environment.

#### **Status of Innovation in India:**

- 1. **Patent Filing:** India ranks 42nd on the International IP Index 2023. It lags behind top spenders in research like Israel, South Korea, Sweden, and Japan.
- 2. Lack of Quality Institutions: Over 95% of the 10,000 institutions teaching technology have not submitted any intellectual property for protection, indicating a need for quality improvement.
- 3. Long-Term Innovation Strategy: Even institutions like IITs face criticism for lacking a longer-term innovation strategy.
- 4. **Global Innovation Index:** India ranks 40th on the Global Innovation Index 2023, highlighting challenges in infrastructure, business sophistication, and institutions.

#### **Areas for Focus to Drive Innovation:**

- 1. **Centres of Excellence:** Establish truly world-class centres of excellence, fostering strong linkages between industry, government, and academia, as seen in institutions like the Indian Institute of Science in Bangalore and select IITs.
- 2. Enabling Environment for Generation Z: Create an environment conducive to the success of India's Generation Z, leveraging their education, competitiveness, and innovative spirit.
- 3. **Mission Mode Innovation:** Move beyond 'jugaad' and frugal innovation to focus on world-class innovation in mission mode. Encourage long-term investments by both private industry and the government, supported by tax incentives.
- 4. **Leverage Technological Strengths:** Build on India's strong foundation in technology, IT services, and digital public infrastructure to position the country as a global innovation powerhouse.

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#### **GS** Paper 3

**UPSC Syllabus Topic:** GS paper 3- Economic development- Infrastructure (Energy) Environment- Conservation.

India's CoP-28 Challenges - Empowering Local Climate Actions to Surpass Global Commitments at CoP-28

Challenges for India at CoP-28 and Potential Policy Responses

**Background:** At the 28th Conference of the Parties (CoP 28), developed countries faced criticism for not meeting climate commitments. India, a developing nation, is pressured to take a leadership role in climate action. Challenges include the decision not to sign pledges for renewable energy and energy efficiency targets and not joining the Declaration on Climate and Health.

#### **India's Challenges at CoP-28:**

- 1. **Balancing Coal and Renewable Energy:** India's plan to increase coal production contradicts its commitment to achieving 450GW of renewable energy by 2030.
- 2. **Phase-Down of Coal Power:** India must reduce coal power (currently 75% of electricity) to align with renewable energy and energy efficiency targets.
- 3. **Meeting Growing Electricity Demand:** The challenge lies in addressing increasing electricity demand for an 8% economic growth rate while transitioning away from coal.

#### **Policy Responses for Balancing Growth and Environmental Responsibility:**

- 1. **Renewable Energy Expansion:** Committing to triple the renewable energy capacity to 450GW by 2030 will significantly reduce dependence on coal.
- 2. **Decentralized Renewable Energy:** Harnessing decentralized renewable energy in urban and rural areas enhances energy security and aligns with global trends in renewable energy business models.
- 3. **Integrated Approach to Climate, Energy, and Health:** Addressing climate, energy, and health issues collectively, despite the challenges of international acknowledgment, can yield significant benefits.
- 4. **Lifestyle for the Environment (LiFE) Initiative:** Promoting the LiFE initiative encourages behavioural changes at the individual and community levels towards more climate-friendly practices.
- 5. **Electric Vehicle Incentive Schemes:** Incentivising electric vehicles through sector-specific schemes indicates a potential shift towards sustainable transportation options.

These policy responses aim to strike a balance between economic growth and environmental responsibility, helping India navigate its challenges at CoP-28.

# **UPSC Syllabus Topic:** GS Paper 3- Indian Economy- resource mobilization (taxation).

## Current Status and Improvement Initiatives for Goods and Services Tax (GST) in India

Current Status: GST revenue has witnessed a significant increase, reaching nearly ₹3.4 lakh crore in October and November. The average monthly GST collection for 2023-24 is around ₹1.66 lakh crore. Economists anticipate that central GST receipts may surpass budget estimates.

#### **Improvement Initiatives:**

- 1. **Goods and Services Tax Appellate Tribunal (GSTAT):** The establishment of GSTAT, approved by the GST Council, is in progress to address the backlog of GST cases and expedite the resolution of taxpayer appeals.
- 2. **Expansion of GST Framework:** Plans are underway to include items like petroleum and electricity within the GST framework, broadening the tax base.
- 3. **Reconstitution of Group of Ministers (GoM):** The GST Council has notified the reconstitution of the Group of Ministers (GoM) on rate rationalisation, indicating a strategic approach to streamline and rationalise GST rates.

#### **Recommendations for GST Improvement:**

- 1. Address Taxpayer Appeals: Swift operationalization of appellate tribunals is essential to resolve the increasing number of pending taxpayer appeals against GST levies. With cases nearing 15,000, prompt action is crucial.
- 2. **Simplify Tax Structure:** Efforts should be directed towards simplifying the complex multiple-rate system of GST, making it more user-friendly and reducing compliance challenges.
- 3. **Ensure Stability and Predictability:** Strive for a clear and stable tax regime that provides certainty to investors and taxpayers. A predictable environment will contribute to enhancing India's economic landscape.
- 4. **Maintain Focus Post-Elections:** Despite potential delays due to upcoming elections, the GST Council should continue deliberating on improvements. Post the Lok Sabha election, there should be a concerted effort to fast-track the implementation of identified enhancements.

#### **Terminology Used:**

• Goods and Services Tax Appellate Tribunal (GSTAT): It is a pivotal body for resolving GST disputes, presided over by its President and comprising one Technical Member (Centre) and one Technical Member (State). GSTAT handles second-level appeals in GST laws, aiming for fair and consistent resolution of tax disputes. Its establishment under the CGST Act brings uniformity in decision-making across the country.