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1. El Nino

- Prelims El Nino
- Mains GS 1 Geography

Why in the news?

• A new study published in the Science journal showed that heavy downpours of over 50% are more likely in India during the El Nino period.

El Nino

• What is it?: El Niño (meaning "the little boy" in Spanish) is a climate pattern that describes the unusual warming of surface waters in the eastern Pacific Ocean.

• Causes:

- → During an El Niño event, the **Sea Surface Temperatures (SST)** in the equatorial Pacific Ocean off the northern coast of South America became at least 0.5 degrees Celsius warmer than the long-term average.
- → During El Niño, a warm ocean current replaces the cold Humboldt current on the Peruvian coast.
- → The El Niño event is not a regular cycle, they are not predictable and occur irregularly at two- to seven-year intervals.

• <u>Effects</u>

- → El Niño can affect weather worldwide Generally resulting in warmer temperatures and less rainfall than normal in many regions of the world, including India.
- → El Niño results in the rise of sea surface temperatures.
- → It also weakens the trade winds of the affected region.
- → In India and Australia, it can affect monsoon rainfall and bring about drought conditions. This affects crop productivity largely.
- → It has been also observed at certain times, that El Niño may not bring drought but cause heavy rainfall due to the influence of factors like positive Indian Ocean Dipole (IOD).

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2. EPFO Passbook Lite

- Prelims EPFO Passbook Lite
- Mains GS 2 Governance

Why in the news?

 EPFO launches Passbook Lite for easier access to PF balance and other details such as contributions and withdrawals.

EPFO Passbook Lite

• What is it?: It is a new feature introduced by the EPFO that allows members to view a simplified/summary view of their EPF (Provident Fund) passbook- contributions, withdrawals, and current balance via the EPFO Member Portal itself.

• Key Features:

- → Single Login Convenience: The summary view ("Lite") is available from the Member Portal with the same login credentials without going to a separate passbook portal.
- → Quick Snapshot: The most important data (contributions, withdrawals, balance) are visible in a concise format aiding a fast check.
- → Reduced Load & Faster Access: Reduced traffic on the old passbook site/portal, leads to fewer delays.
- → If a person needs full details (transaction-history, graphical displays etc.), they can still go to the full/existing Passbook Portal.

• Significance:

- → Convenience: Less hopping between different portals makes easier access through one login.
- → **Transparency:** Members can quickly verify their contributions & balances; also helps in case of PF transfers / change of job.
- → Time-saving: Faster access and faster claim processing leads to less waiting.
- → **Digital Records:** With Annexure K downloadable and traceable, there is better documentation, which is important for pension / service history.

• Related New Features:

- → Annexure K Download: Transfer certificate related to PF when you change jobs. Now members can download Annexure K (in PDF) directly via the Member Portal.
- → Faster Settlements/Reduced Approval Layers: Some claim-process approvals have been delegated to lower-level officers.



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3. Industrial Park Rating System 3.0

- Prelims Industrial Park Rating System 3.0
- Mains GS 2 Governance

Why in the news?

• The Union Ministry of Commerce and Industry launched Industrial Park Rating System 3.0 to benchmark industrial parks and boost Make in India initiative.

Industrial Park Rating System 3.0 (IPRS 3.0)

- What is it?: It is an initiative by the Department for Promotion of Industry and Internal Trade (DPIIT), Government of India, with technical support from the Asian Development Bank (ADB).
- <u>Goal:</u> To benchmark industrial parks/estates/clusters for infrastructure, services, environment & safety, to improve competitiveness, transparency, attract investment, help states/UTs identify gaps.

• What is new in IPRS 3.0:

- → Sustainability & Green Infrastructure: More emphasis on parks being environmentally sustainable, green norms, etc.
- → Logistics Connectivity: Better evaluation of how well parks are connected (road, rail, ports, last-mile connectivity) for smoother supply chains.
- → **Digitalization**: Digital tools or services in parks; perhaps online services, smart infrastructure.
- → Skill Linkages: How well parks connect with skill development institutions, training to workers etc.
- → Enhanced Tenant Feedback: More weight to what tenants (the companies operating in the parks) say- their satisfaction etc.

• Pillars of IPRS:

- → Internal Infrastructure & Utilities (roads within park, water, power, waste, etc.)
- → External Infrastructure & Connectivity (access to transport, links to ports/airports, last mile)
- → Business Support Services & Facilities (single window clearances, facilitation, online services, dormitories, etc.)







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→ Environment & Safety Management (safety, environmental norms, monitoring, disaster management)

• Significance:

- → Helps investors make informed choices (which industrial parks are better in terms of infrastructure, logistics, environment etc.). Transparent benchmarks.
- → Encourages healthy competition between states / UTs to improve industrial park infrastructure.
- → Identifies gaps/downside in parks which require policy or infrastructural intervention. Helps central/state governments plan where investment is most needed.
- → Supports "Make in India" initiative by striving to bring industrial infrastructure up to international standards, improving India's global competitiveness.
- → Aids employment generation, improves ease of doing business.

• Challenges:

- → Implementation: Ensuring accurate, up-to-date data especially for external connectivity, environment metrics.
- → **Participation:** Getting all states / private parks to participate and get rated.
- → Capacity: Some parks may lack financial or institutional capacity to meet higher benchmarks (especially in remote or less-developed areas).
- → Follow-through: Rating is fine, but improvement requires investment, policy incentives, monitoring.
- → Balancing sustainability vs growth: As parks strive to meet green norms, cost may increase; ensuring affordability matters.

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4. Baltic Sea

- Prelims Location of Baltic Sea
- Mains GS 1 Geography

Why in the news?

• Germany said that Russian military plane entered airspace over Baltic Sea.

Baltic Sea

• Location

- → Semi-enclosed inland sea in Northern Europe, part of the North Atlantic Ocean system.
- → Lies between the Scandinavian Peninsula and continental Europe.
- → Connected to the Atlantic via the Danish Straits.
- <u>Neighbouring Countries:</u> Denmark, Germany, Poland, Lithuania, Latvia, Estonia, Russia, Finland, Sweden.

• Major Gulfs

- → Gulf of Bothnia (between Sweden & Finland)
- → Gulf of Finland (towards Russia & Finland)
- → Gulf of Riga (Latvia & Estonia)

• Major Rivers Flowing to Sea

- → Neva River (Russia) largest inflow.
- → Other important rivers: Vistula (Poland), Oder (Germany/Poland), Daugava (Latvia).
- What Characteristics: Shallow & brackish (low salinity due to heavy freshwater inflows).

Connectivity

- \rightarrow White Sea Canal \rightarrow connects Baltic to White Sea (Russia).
- → Kiel Canal → connects Baltic to North Sea (German Bight).



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