

29/04/2026 Daily Current News

1. Heat wave:

Context: The Ministry of Labour & Employment has issued advisories to all States/UTs and its attached organisations, urging immediate preventive and mitigation measures to safeguard workers and labourers from the adverse effects of rising temperatures and heat wave conditions across the country.

About Heat waves:

Heat wave Scenario	40°C	30°C	
Maximum Temperature	Plains	Hills	
Heat wave conditions prevail when...		Severe heat wave conditions prevail when....	
Normal maximum temperature	Deviation from normal	Normal maximum temperature	Deviation from normal
			
Above		Above	
40°C	4-5°C or more	40°C	6°C or more
			
At or below		At or below	
40°C	5-6°C or more	40°C	7°C or more

- ❖ A Heat Wave is defined as a period of abnormally high temperatures over a region.
- ❖ Coastal Areas: When maximum temperature departure is 4.50°C or more from normal, a heat wave may be described provided the actual maximum temperature is 37°C or more.

2. Frontier tech hub:

Context: NITI Frontier Tech Hub launched DPI@2047 for Viksit Bharat on 27th April 2026, a strategic roadmap that charts the next phase of India's Digital Public Infrastructure journey as a driver of inclusive, non-linear, and productivity-led growth. It is a design approach to enable non-linear socio-economic development at scale by leveraging technology and market innovation.

About Frontier tech hub:

- ❖ The NITI Frontier Tech Hub was established as an action tank to support the vision of Viksit Bharat.
- ❖ It aims to anticipate major emerging technology shifts and enhance India's preparedness.
- ❖ The Hub focuses on leveraging frontier technologies for economic growth, inclusive development, and strategic resilience.
- ❖ It collaborates with over 100 experts from government, industry, and academia.
- ❖ The Hub is preparing a 10-year roadmap covering more than 20 sectors.
- ❖ Its objective is to help India emerge as a frontier-technology nation.

3. Global Report on Food Crises, 2025:

Context: Global Network Against Food Crises released 10th edition of Global Report on Food Crises, 2025. As per the report, more than 266 million people in 47 countries faced high levels of acute food insecurity in 2025. Conflict has overtaken extreme weather as main driver.

More details:

- ❖ Global Network Against Food Crises launched in 2016 by the Food and Agriculture Organization (FAO) with the European Union (EU) and WFP (World Food Programme) at World Humanitarian Summit.
- ❖ It is a multistakeholder initiative of humanitarian and development actors, united by commitment to tackle root causes of food crises and to promote sustainable solutions.

4. *Sacrifice Ratio:*

Context: Recent measures of inflation control in India, US, and UK highlight economic costs of managing inflation, measured using Sacrifice Ratio.

About Sacrifice Ratio:

- ❖ The sacrifice ratio measures the economic cost of reducing inflation.
- ❖ It shows the percentage loss in real GDP for every 1% decline in inflation.
- ❖ The ratio reflects the trade-off between price stability and economic growth.
- ❖ A higher sacrifice ratio indicates greater short-term economic hardship during anti-inflation measures.
- ❖ High sacrifice ratios are often associated with rising unemployment and lower industrial output.

5. *Organization of the Petroleum Exporting Countries (OPEC):*

Context: The UAE announced on Tuesday that it will leave the Organization of the Petroleum Exporting Countries (OPEC) effective May 1, stripping the oil cartel of one of its largest producers and further weakening its leverage over global oil supplies and prices.

About Organization of the Petroleum Exporting Countries (OPEC):

- ❖ It is a permanent, intergovernmental organization, created at the Baghdad Conference in 1960 by Iran, Iraq, Kuwait, Saudi Arabia, and Venezuela.
- ❖ Its other members are Algeria, Equatorial Guinea, Gabon, Libya, Nigeria, the Republic of the Congo, and the United Arab Emirates.
- ❖ It aims to manage the supply of oil in an effort to set the price of oil in the world market.
- ❖ It also aims to avoid fluctuations that might affect the economies of both producing and purchasing countries.
- ❖ OPEC membership is open to any country that is a substantial exporter of oil and which shares the ideals of the organization.
- ❖ It is headquartered in Vienna, Austria.

What is OPEC+?

- ❖ It is a group of oil-exporting countries which meets regularly to decide how much crude oil to sell on the world market.
- ❖ These nations came to an accord towards the end of 2016 “to institutionalize a framework for cooperation between OPEC and non-OPEC producing countries.
- ❖ OPEC+ controls about 40% of global oil supplies and more than 80% of proven oil reserves.
- ❖ It comprises OPEC countries plus Azerbaijan, Bahrain, Brunei, Kazakhstan, Russia, Mexico,

Malaysia, South Sudan, Sudan, and Oman.

Quick Bites:

- ☐ World Intellectual Property Day 2026 is celebrated on April 26 with the theme "IP and Sports: Ready, Set, Innovate!".
- ☐ India has successfully met its all-time highest peak electricity demand of 256.1 GW on 25th April 2026 at 15:38hrs without any shortage, while simultaneously maintaining electricity exports to neighbouring countries.
- ☐ The 17th Petersberg Climate Dialogue (PCD) sought to reaffirm commitment to multilateral climate action amid rising geopolitical tensions. The PCD, an informal multilateral annual meeting on climate issues initiated by Germany in 2010, was the first major climate ministerial of 2026 ahead of COP31 of UNFCCC.
- ☐ The first Conference on Transitioning Away from Fossil Fuels is being hosted by Colombia and Netherlands in Santa Marta. Officially announced during COP30 under the United Nations Framework Convention on Climate Change process in 2025, the conference aims to function as a sustained political platform for implementation-driven action towards an orderly transition away from fossil fuels. It is not a negotiating body, does not form part of formal climate negotiations, and is not intended to replace the UNFCCC framework.
- ☐ Scientists discovered Gibraltar's Barbary macaque (*Macaca sylvanus*), only wild primates found on European continent practicing Geophagy (eating soil). Geophagy is defined as the voluntary and continuous ingestion of earthy materials, including rocks, soils, and clays, practiced by both humans and animals.
- ☐ Stockholm International Peace Research Institute (SIPRI), an independent international research institute established in 1966 in Stockholm, has released the Trends in World Military Expenditure 2025 report. The report states that the five largest military spenders in 2025 — United States, China, Russia, Germany and India — together accounted for 58% of global military expenditure. India ranked as the world's fifth-largest military spender, contributing 3.2% of global military expenditure with total spending of \$92.1 billion.
- ☐ Symbiosis Skills and Professional University (SSPU), Pune, has launched Asia's first UNESCO Chair on Gender Inclusion and Skill Development.
- ☐ Chinese researchers have developed a new technology called the Zero-Carbon-Emission Direct Coal Fuel Cell (ZC-DCFC), which can convert coal directly into electricity without burning it.
- ☐ India has launched its first official Formula 1 Sim Racing Championship, marking a major step in linking esports with professional motorsport. Formula 1 and Mumbai Falcons Racing Limited have introduced the F1 Sim Racing India Open 2026, creating a structured national platform for virtual racers across the country.

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