

# KSG:NEWSPAPER CRUX

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## NEWSPAPER HIGHLIGHT

- **Andhra Pradesh is perhaps an exception where the magic of development has succeeded in Maoist hit areas, especially in Srikakulam district. Civil servants who have served in that area say a dedicated leadership at the district and grassroots levels is one explanation for this transformation.**
- **Climate vulnerable country, India must also up its game to contribute to limiting global temperature rise, ideally below 1.5°C. While doing so, it should not lose sight of the history of global climate negotiations and its own developmental needs. Though a large country and economy, we are still a very poor country with a significant development deficit — for example, our per capita carbon emissions are less than half the world average.**
- **Commerce Secretary questioned the rationale behind the U.S. government's decision to put India on the watchlist for currency manipulators, and said the list constituted an intrusion into the policy space needed by central banks around the world to meet their mandates.**
- **The Biden administration has denied that there are any 'outright bans' on the export of vaccine raw materials. The denial comes in response to an appeal by vaccine manufacturer Serum Institute of India's (SII), to U.S. President Joe Biden, asking him to lift an embargo on exports.**
- **China's President Xi Jinping said global rules cannot be imposed "by one or a few countries" and attempts to "decouple" would not benefit any nation.**
- **Chad's President Idriss Deby Itno died from wounds sustained in battle after three decades in power, opening a period of uncertainty in a country that is a key strategic ally of the West.**
- **Russia's space agency said it hoped to launch its own orbital station in 2025.**

## BLACK SEA

1. Recently, Russia beefed up warship presence in Black Sea at a time of tense relations with West and Ukraine.
2. Black Sea is an **inland sea between southeastern Europe and the Anatolian peninsula (Turkey).**
3. It is **connected to the Atlantic Ocean via the Mediterranean and Aegean Seas and various straits.**
4. Bosphorus strait connects it to the Sea of Marmara, and strait of the Dardanelles connects it to the Aegean Sea region of the Mediterranean. To the north, it is connected to the Sea of Azov by the Kerch Strait.

## NATIONAL CLIMATE VULNERABILITY ASSESSMENT REPORT

1. The Department of Science and Technology has released a report titled 'The Report Climate Vulnerability Assessment for Adaptation Planning in India Using a Common Framework'.
2. It identifies the most vulnerable states and districts in India with respect to current climate risk and key drivers of vulnerability. It aids in prioritizing adaptation investment, developing and implementing adaptation programs.
3. Some key indicators for the assessment include **percentage of population living below the poverty line; income share from natural resources; the proportion of marginal and small landholdings, women's participation in the workforce; density of healthcare workers etc.**
4. **Highly Vulnerable States:** It identified Jharkhand, Mizoram, Orissa, Chhattisgarh, Assam, Bihar, Arunachal Pradesh, and West Bengal as states highly vulnerable to climate change. **Highly Vulnerable Districts:** Among all states, Assam, Bihar, and Jharkhand have over 60% districts in the category of highly vulnerable districts.

## SULPHUR DIOXIDE EMISSIONS FROM CARIBBEAN VOLCANO

1. The Sulphur Dioxide (SO<sub>2</sub>) emissions from a volcanic eruption in the Caribbean (La Soufriere Volcano) have reached India, sparking fear of increased pollution levels in the northern parts of the country and acid rain.
2. **About La Soufriere Volcano:** It is an active stratovolcano on the Caribbean island of Saint Vincent in Saint Vincent and the Grenadines. It is the highest peak in Saint Vincent and has had five recorded explosive eruptions since 1718, most recently in April 2021.
3. Volcanic emissions reaching the stratosphere **can have a cooling effect on global temperatures. The most significant climate impacts from volcanic injections into the stratosphere come from the conversion of sulphur dioxide to sulphuric acid**, which condenses rapidly in the stratosphere to form fine sulphate aerosols.
4. SO<sub>2</sub> emissions that lead to high concentrations of SO<sub>2</sub> in the air generally also lead to the formation of other sulfur oxides (SO<sub>x</sub>). SO<sub>x</sub> can react with other compounds in the atmosphere to form small particles. These particles **contribute to Particulate Matter (PM) pollution.**

## DHRUV MKIII:ADVANCED LIGHT HELICOPTER

1. Indian Naval Air Squadron (INAS) 323, the first unit of the indigenously built ALH (Advanced Light Helicopter) Dhruv Mk III aircraft, was commissioned into the Indian Navy.
2. The indigenously designed and developed Advanced Light Helicopter (ALH-DHRUV) is a twin engine, multi-role, multi-mission new generation helicopter.
3. The Mk III version of the ALH has an all glass cockpit and will be **used for search and rescue, special operations and coastal surveillance.**