



02 January 2023

National and International News

XPoSat



Context

- The Indian Space Research Organisation (ISRO) launched **PSLV-C58 X-ray Polarimeter Satellite (XPoSat) mission**
- The successful launch put India in an elite category as it has become the second nation to send an observatory **to study astronomical sources such as black holes, neutron stars among others.**

Key points

- XPoSat is **only the second X-ray polarimetry mission** in the world, after **NASA's Imaging X-ray Polarimetry Explorer (IXPE)** launched in 2021.
- It is the **first dedicated scientific satellite from ISRO** to carry out research in space-based polarisation measurements of X-ray emission from celestial sources.
- It carries two payloads, namely **POLIX (Polarimeter Instrument in X-rays)** and **XSPECT (X-ray Spectroscopy and Timing)**. POLIX has been developed by the Raman Research Institute and XSPECT by the Space Astronomy Group of URSC, Bengaluru.
- During the mission, the **PSLV Orbital Experimental Module-3 (POEM-3)** experiment was also executed to meet the objective of 10 other payloads.

ST status for Hatties

Hattee community

हाटी समुदाय



Context

President Droupadi Murmu notified the inclusion of the Hattee community in Himachal Pradesh's Scheduled Tribes list.

About Hattee

- The Hattis are a **close-knit community that got their name from their tradition of selling homegrown vegetables, crops, meat, and wool, etc.** at small markets called 'haat' in towns.
- Hatti men traditionally don a distinctive white headgear on ceremonial occasions.
- The Hatti homeland straddles the



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	<p>Himachal-Uttarakhand border in the basin of the Giri and Tons rivers, both tributaries of the Yamuna.</p> <ul style="list-style-type: none"> • The Tons marks the border between the two states. • There are two Hatti clans, in Trans-Giri and Jaunsar Bawar, have similar traditions, and inter-marriages are common. • The Hattis are governed by a traditional council called 'khumbli' which, like the 'khaps' of Haryana, decides community matters. • The Khumbli's power has remained unchallenged despite the establishment of the Panchayati raj system. • They have sizeable presence in about nine Assembly seats in the Sirmaur and Shimla regions. • According to the 2011 Census of India, the total tribal population of Himachal Pradesh is 3,92,126, which is 5.7% of the total population of the state.
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<p>Goldy Brar declared 'individual terrorist'</p>	<p>Context The Union Home Ministry declared Canada-based Satwinder Singh, alias Goldy Brar, an "individual terrorist" under the Unlawful Activities Prevention Act (UAPA).</p> <p>About UAPA</p> <ul style="list-style-type: none"> • The UAPA was enacted in 1967. • It lays down the definitions and rules for designating an organisation as an "unlawful association" if it is engaged in certain types of activities. • The government can then issue a notification designating such an organisation as a terrorist organisation, if it believes that the organisation is part of "terrorist activities." • Under the Act, 'unlawful activity' is not limited to terror activities relating to causing direct violence or attacks, it also includes any activities that disrupt the sovereignty and territorial integrity of the country, disrupts the economic stability of the country or causes disharmony or feelings of enmity, hatred or ill-will between different religious, racial, language or regional groups or castes or communities in the country • The 2019 Amendment gave the Home Ministry the power to designate individuals as terrorists.
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Best sustainable developer award

Context

- **DLF Cyber City Developers Limited** was declared the best sustainable developer at the fourth edition of the **PropertyGuru Asia Property Awards (India)** in Bangkok recently.
- The company also earned special recognition for sustainable design and construction during the award ceremony.
- **Supreme Universal** received the recognition for luxury development while **Turner House by Raiaskaran** won the special recognition for “landmark office design”.

Warli Tribe



Context

The Warli tribe in Mumbai objected to the construction of Shivaji museum on the land they live on.

About

- The **Warli or Varli** are an indigenous tribe of western India there related ethnic groups are Konkani people, Marathi people, living in mountainous as well as coastal areas along the Maharashtra and Gujarat border and surrounding areas.
- **The Warli have their own animistic beliefs, life, customs and traditions**, and as a result of acculturation they have adopted many Hindu beliefs.
- The Warli speak the unwritten Varli language which belongs to the southern zone of the **Indo-Aryan languages**.
- Waralis have sub castes such as **Murde varli, Davar varali**.

First girls’ Sainik School opened in Mathura



Context

- Defence Minister **Rajnath Singh** inaugurated the **Samvid Gurukulam Girls Sainik School, the first all-girls Sainik School, at Vrindavan in Mathura, Uttar Pradesh**.
- The school is set up under the partnership mode initiative that aims to establish 100 new Sainik Schools.

Key points

- The first all-girls Sainik School, with a strength of approximately 870 students, has been inaugurated under the initiative of **establishing 100 new Sainik Schools in partnership mode** with non-governmental organisations (NGO),

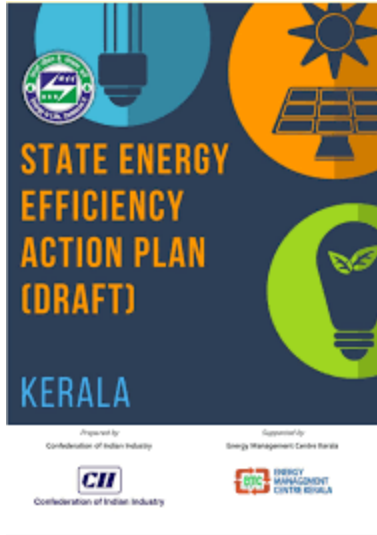


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	<p>private and State government schools in all State/Union Territories, of which 42 have been set up</p> <ul style="list-style-type: none"> • The objectives behind the vision of setting up of 100 new Sainik Schools are to provide quality education to the students in tune with the National Education Policy, 2020 and give them better career opportunities, including joining the armed force
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Kerala Regional News

<p>Genetic ancestries of South-west coast warrior class traced</p>	<p>Context:</p> <ul style="list-style-type: none"> • The recent high-throughput genetic study conducted by a team of researchers led by JC Bose Fellow at CSIR-Centre for Cellular and Molecular Biology (CCMB) revealed that the traditional warrior class and feudal lords of Nairs, Thiyyas and Ezhavas from Kerala, and Bunts and Hoysalas from Karnataka have been found to be genetically closer to populations of North-west India • It put to rest their debatable genetic history. <p>Key Points:</p> <ul style="list-style-type: none"> • Earlier, many historians and written records related them to migrants from Ahichhatra (Iron Age civilization) in the Gangetic plain • Others related them to Indo-Scythian clan migrants from North-West India.
<p>Govt. plans to make all family health centres in Kerala antibiotic-smart</p>	<p>Context:</p> <ul style="list-style-type: none"> • The Kerala Government has chalked out a programme to make all family health centres (FHCs) in the State antibiotic-smart this year • The Government also plans to discourage the sale of antibiotic medicines without a doctor's prescription. • Efforts for this are under way to promote antibiotic literacy in all panchayats.
<p>State government constitutes panel for drafting comprehensive Energy policy</p>	<p>Context:</p> <ul style="list-style-type: none"> • The Kerala government has taken a significant step towards a greener future by constituting



an 18-member panel to draft a comprehensive energy policy for the state.

- This policy aims to guide Kerala's transition towards a sustainable and self-sufficient energy system, focusing on renewable energy sources and reducing dependence on fossil fuels.

Key Objectives:

- **Meeting future energy needs** by using renewable sources like solar, wind, hydel, and geothermal power.
- **Tapping emerging energy sources** by using renewable energy technologies, such as tidal and wave energy, to diversify the state's energy mix.
- **Achieving 100% renewable energy dependence by 2040.**
- **Achieving net carbon neutrality by 2050.**

P. Melda to attend Global Science Festival Kerala



Context:

- Top scientists from across the globe, including Danish Chemistry Nobel laureate Morten P. Meldal and senior NASA officials, are expected to attend the Global Science Festival Kerala (GSFK) opening at the Bio 360 Life Sciences Park at Thonnakkal

About:

- The Global Science Festival Kerala (GSFK) is a unique event in Asia, bringing together science, art, technology, engineering, and mathematics (STEAM) in a vibrant and engaging way.

Did you Know?

- Prof. Meldal shared the 2022 Chemistry Nobel with Carolyn R. Bertozzi and Karl Barry Sharpless "for the development of click chemistry and bioorthogonal chemistry.

ISRO's successful launch of X-Ray Polarimeter Satellite with WESAT

Context:

- ISRO ushered in 2024 with the successful launch of its first X-Ray Polarimeter Satellite that would offer insights into black holes in space
- The highlight of the launch was the WESAT(Women Engineered Satellite)
- It was designed and developed by a team of 25 young women from the Thiruvananthapuram Lal Bahadur Shastri Institute of Technology for Women.



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