

# KSG: NEWSPAPER CRUX

9<sup>TH</sup> SEPTEMBER 2022

## NEWSPAPER HIGHLIGHT

The Government of India is ready to incorporate the Yehzabo, the Naga Constitution, into the Indian Constitution and has agreed for a civil and cultural flag for the Nagas, a senior government official said. A Naga delegation comprising Chief Minister Neiphiu Rio and Deputy Chief Minister Y. Patton are in Delhi to hold talks with A.K. Mishra, former Special Director with the Intelligence Bureau.

India ranks 132 out of 191 countries in the Human Development Index (HDI) 2021, after registering a decline in its score over two consecutive years for the first time in three decades. The drop is in line with the global trend since the outbreak of the COVID19 pandemic during which 90% of the countries have fallen backward in human development. The Index is part of the Human Development Report 20212022 released by the United Nations Development Programme on Thursday. The HDI measures average achievement of a country in three basic dimensions of human development — a long and healthy life, education and a decent standard of living.

57,000 number of cattle that died so far due to lumpy skin disease across the country. Lumpy skin disease (LSD) is a contagious viral disease that affects cattle and causes fever, nodules on the skin and can also lead to death. The disease gets spread by mosquitoes, flies, lice, and wasps by direct contact among the cattle, and through contaminated food and water. LSD has spread in around seven States, including Gujarat, Rajasthan, Punjab, Haryana and Uttar Pradesh.

282.66 lakh crore, the market capitalisation of BSE listed firms reached an all time high due to a rebound in equities. The 30share BSE Sensex climbed 659.31 points to settle at 59,688.22, after falling in the previous two trading days. The bounce back in equities helped the market capitalisation of BSE-listed firms jump to 282.66 lakh crore. Tech Mahindra, Axis Bank, ICICI Bank and Mahindra & Mahindra emerged as the biggest gainers among Sensex stocks.

India and China on Thursday announced that their Armies have begun to disengage from Patrolling Point15 in the Gogra Hot springs area of eastern Ladakh, marking a

## QIMINGXING-50 QUASI SATELLITE

1.China's Qimingxing-50 drone, which took off from an airport in Shaanxi province, had a smooth flight for 26 minutes and landed safely. Qimingxing-50, or Morning Star-50, is China's first fully solar-powered unmanned aerial vehicle (UAV). It is a high-altitude, long-endurance (HALE) UAV, which can stay airborne for long durations.

2.The drone flies above 20-km altitude where there is stable airflow with no clouds. This helps these drones to make the maximum use of solar equipment to stay functional for extended durations. Quasi Satellite - As the drone can operate in near-space (20 km to 100 km above the Earth's surface), it is capable of carrying out satellite-like functions.

3.These drones are also referred to as 'High Altitude Platform Stations' or pseudo-satellites. China already has this capacity, but the Qimingxing-50's long-endurance provides an added advantage to make this capability available over a longer period. Recently, the US Army helped test a solar-powered, near-space Airbus Zephyr S drone that set a new record by being airborne for 42 days.

4.Benefits - Drones like the Morning Star-50 are cost-effective to build and are also easy to launch and operate. Being entirely powered by clean energy from the Sun, it can help boost China's capabilities to operate in near-space and over the ocean. It is capable of conducting high-altitude reconnaissance, monitoring forest fires, providing communication and environment relay.

## EINSTEIN RING

1.The Mid-Infrared Instrument (MIRI) of the James Webb Space Telescope has captured an image of an almost perfect "Einstein ring". Einstein Ring phenomenon was first discovered in 1988 as the phenomenon of bending of the light was predicted by Albert Einstein.

2.**An Einstein ring is a ring of light created when light from a galaxy, star or other light-emitting cosmic objects passes near a massive object before it reaches the Earth, or in this case, the Webb telescope.** When this happens, gravitational lensing causes the light to get diverted and if the source, lens and the observing element are all in perfect alignment, this light appears as a ring. So, the ring itself not a real physical structure in space, but just a play of light and gravity, a result of the gravitational lensing effect.

3.The Einstein ring is also known as the Chwolson ring.Recent finding - "Einstein ring" that was captured recently was formed from the light of a distant galaxy SPT-S J041839-4751.8, which is around 12 billion light-years away from Earth. From Webb's point of view, this galaxy is positioned directly behind another galaxy that is so massive that its gravitational pull warps space and time.

4.As the light from the background galaxy travels to the Webb telescope, it has to cross the warped space-time near the foreground galaxy. This is what makes the light appear like a curved ring.

## INOUE SOLAR TELESCOPE

1.The Inouye Solar Telescope has captured an image of the Sun's chromosphere a resolution of 18 kilometres. The chromosphere is the second of the three main layers in the Sun's atmosphere. It is located above the photosphere and below the solar transition region and corona. The Daniel K Inouye Solar Telescope (DKIST) is located at the Haleakala Observatory on the Hawaiian island of Maui.

2.The DKIST was set up by the US National Science Foundation (NSF). According to the NSF, the Inouye Solar Telescope is the most powerful solar telescope in the world. Its insights will transform how we predict and prepare for events like solar storms.

3.Haleakalā Soaring nearly three kilometers, above the Pacific Ocean, Haleakalā is Maui Island's largest volcanic mountain. Haleakalā is a high-elevation, shield volcano surrounded by ocean. This unique geography offers a site 10,023 feet above the

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step forward towards ending the standoff ongoing since May 2020. The move comes ahead of the Shanghai Cooperation Organisation (SCO) summit in Uzbekistan next week, in which Prime Minister Narendra Modi and Chinese President Xi Jinping are expected to participate.

Britain's longest reigning monarch, Queen Elizabeth II, died on Thursday at the age of 96. Her death at her Scottish estate, Balmoral Castle, was announced by Buckingham Palace.

The expert committee formed by the Uttarakhand government to examine ways to implement a Uniform Civil Code launched a website on Thursday, seeking public opinion on the move. Headed by retired Justice Ranjana Prakash Desai, the committee has sought suggestions and recommendations from residents of the State.

A Constitution Bench led by Chief Justice of India U.U. Lalit on Thursday finalised three cardinal issues for examining whether the 103rd Constitutional Amendment, which provides 10% quota to economically weaker sections (EWS) of society in government jobs and educational institutions, violates the Basic Structure of the Constitution. The five judge Bench, also comprising Justices S. Ravindra Bhat, Dinesh Maheshwari, S.B. Pardiwala and Bela Trivedi, will start hearing the arguments from September 13.

The Supreme Court on Thursday gave the government three months to take the lead and devise a policy framework to open up avenues of employment for transgender persons, particularly in the civil aviation industry. The order was a fallout of a petition filed by Shanavi Ponnusamy, a transgender person from Thoothukudi in Tamil Nadu, whose dream of flying high as an airline cabin crew member never took off.

The Supreme Court has said the problem of storing spent nuclear fuel from the Kudankulam nuclear power plant has to be "worked out", possibly with the help of experts from the Atomic Energy Regulatory Board (AERB) and officials at the highest level in the Tamil Nadu government, while prima facie disagreeing with the petitioners'

clouds, with a clear blue sky and a stable atmosphere that is relatively free of dust. It is a near perfect place for solar astronomy.

## GOVERNMENT PUSH FOR INTERNATIONAL TRADE IN RUPEE

1. It came in the explained section of Indian Express, and argues why the government is pushing for international trade in Rupee. Current system: Most of the trade currently is in US dollar, wherein an importer needs to pay in US dollar to pay for the import of goods to India and an exporter gets pain in the dollar which he then converts into Indian Rupee for use in India.

2. Working on payment system in INR: To settle trade transactions with any country, banks in India would open Vostro accounts of correspondent bank/s of the partner country for trading. Indian importers can pay for their imports in INR into these accounts.

3. These earnings from imports can then be used to pay Indian exporters in INR. A Vostro account is an account that a correspondent bank holds on behalf of another bank — for example, the HSBC Vostro account is held by SBI in India.

4. Benefits of trading in Rupee: Enable trading with Russia. Check dollar outflow. Slow the depreciation of the rupee. Promote the growth of global trade with emphasis on exports from India and to support the increasing interest of the global trading community in INR".

5. Government measures: RBI has put in place an additional arrangement for invoicing, payment, and settlement of exports/imports in INR. Limitations: The arrangement was not expected to help arrest the fall of the rupee to any significant extent. Not all countries may agree to trade in Rupee as the credibility of the rupee is lower than US dollars.

## GOODFELLOWS, A START-UP OFFERING COMPANIONSHIP TO SENIOR CITIZENS

1. Shantanu Naidu, the founder of Goodfellows, a startup that aims to provide companionship to senior citizens, is a big believer in how much generations can learn from each other. The tagline of Goodfellows is "Everything grandkids do" and that's exactly how it works.

2. Senior citizens who subscribe to this platform are paired with graduates in the age group of 18 to 30, who over a course of time form meaningful bonds with them. Ratan Tata who has invested in this startup expressed his optimism that the investment will assist the young Goodfellows team to develop.

3. Status: According to the statement, 15 million old people in India are living alone, either because they have lost a partner or because their families had to move away owing to unavoidable employment obligations.

4. The problem of loneliness or a lack of companionship, which has been the main factor contributing to the decline in the mental and physical health of senior adults, will be addressed by Goodfellows.

## UNESCO GLOBAL NETWORK OF LEARNING CITIES

1. The Indian cities, Nilambur and Thrissur in Kerala, have gained recognition from UNESCO after they became the nation's first entrants in the UNESCO Global Network of Learning Cities along with Telangana's second largest city, Warangal.

2. According to UNESCO's website, the network is a global policy-oriented network offering "inspiration, know-how and best practice".

3. There are six features that define a learning city: Effectively mobilises its resources in every sector. To advocate inclusive learning. Revitalises learning in families and communities. Facilitates learning for and at workplaces. Extends the use of modern learning technologies. Augments quality and excellence in learning. Fosters a culture of learning throughout life.

## FOUNDATION LEARNING STUDY (FLS) SURVEY

1. FLS survey by the Ministry of Education and NCERT has revealed that 11% of Class 3rd students lack basic maths skills and about 37% lack basic skills in maths. Tamil Nadu performed

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**idea of shutting down the nuclear plant through a judicial order as an “extraordinary measure”.**

**India maintained a studied silence a day after the U.S. announced a \$450-million package to refit Pakistan’s large F16 fighter fleet with the latest technological advances. The announcement from the U.S. State Department came against the backdrop of intersessional talks that senior Indian and U.S. officials, including Assistant Secretary of State for South and Central Asian Affairs Donald Lu, held on Wednesday.**

poorly. Basics: Foundational learning forms the basis of all future learning and includes two main pillars – foundational literacy and foundational numeracy which a child is expected to acquire by Grade 3.

2. Foundational literacy means being able to read with comprehension by grade. Child’s ability to solve basic maths problems (such as addition and subtraction.) Foundational Literacy and Numeracy (FLN) is one of the major themes of the NEP 2020.