

KSG: NEWSPAPER CRUX

7TH SEPTEMBER 2022

NEWSPAPER HIGHLIGHT

14,500 number of schools to be developed as model schools under the Pradhan Mantri Schools For Rising India (PMSHRI) scheme, Prime Minister Narendra Modi announced on the occasion of Teacher's day. Mr. Modi said that the schools developed under the new scheme would become model schools, encapsulating the full spirit of the new National Education Policy. The pedagogy adopted in these schools is expected to be more experiential, integrated, and inquiry driven.

India and Bangladesh should resolve all bilateral issues, including the differences over the waters of the Teesta, "at an early date", Bangladesh Prime Minister Sheikh Hasina said. After holding bilateral talks with Prime Minister Narendra Modi, the visiting leader described India as the "most important and closest neighbour" that is bound with Bangladesh through 54 common rivers and 4,096 km of border. The two sides signed seven agreements covering railways, science and technology, space cooperation, media, and water sharing.

16 number of States, including Odisha, Tamil Nadu and Bihar to have integrated with the National Single Window System (NSWS) so far with an aim to promote ease of doing business, according to a senior official. The NSWS was aimed at providing support to investors, including pre investment advisory, information related to land banks, and facilitation of clearances at the Centre and State levels. The NSWS portal is envisioned as a one stop shop for investors for taking all the regulatory approvals and services related to investments.

A Constitution Bench of the Supreme Court on Tuesday asked the governments at the Centre and the States and petitioners to address a list of concerns raised in the Supreme Court about granting reservation on a purely economic basis, one of them being whether it is a violation of the Basic Structure of the Constitution to exclude the Scheduled Castes, the Scheduled Tribes and some of the most impoverished Socially and Educationally Backward Classes in the country from its scope.

India's first nasal COVID19 vaccine, developed by Bharat Biotech, has

STUDY ON CLIMATE PLEDGES

1. A new study on different countries' Climate Pledges or the Nationally Determined Contributions (NDC) was published recently. The Paris Agreement is a global treaty wherein countries agreed to cooperate to reduce GHG emissions and rein in climate change. It seeks to limit global warming to below 2°C, preferably to 1.5°C, compared to pre-industry levels.

2. The study included eight countries - India, the US, China, Australia, Saudi Arabia, Russia, Australia and Brazil - and the European Union. This study ranked the Climate Pledges or the Nationally Determined Contributions (NDC) of different countries on the basis of, Compliance and Ambition.

3. This study ranks India's updated climate pledges to the Paris Agreement 4th in ambition, 5th in compliance. The European Union (EU) took the lead while the United States was ranked last in compliance and second to last in ambition.

RULE CURVE

1. The Rule Curve for Mullaperiyar Dam comes into effect between June 10 and November 30, during which the dam gets maximum inflows from the South West Monsoon. According to Tamil Nadu Water Resources Organisation, Mullaperiyar is the first reservoir to have Rule Curve implemented, in India. Rule Curve is a tabulation that specifies quantum of storage of water or empty space to be maintained in a reservoir during different times of a year, based on the rainfall data for 35 years.

2. The rule curve also decides on fluctuating storage levels of the reservoir. It is also the deciding factor on the opening of the reservoir gates. The rule curve is set by the Central Water Commission and during the monsoon, the number is fixed every 10 days once, based on the water level present. It helps in decision-making for officials in charge of the dam, for smooth operation of shutters, especially for moderation of flood, during monsoon times without permission from the top hierarchical ladder.

3. Rules - Kerala insisted with the Supreme Court to insist that Tamil Nadu, which maintains and operates the dam, prepare a Rule Curve for flood control and flood management. As a result of implementation of the Rule Curve, Tamil Nadu will have to keep the water level below the permitted maximum level of 142 feet for 150 days in a year, the period when the dam gets heavy inflows.

4. Under the Rule Curve method, water is not allowed to be stored to the permissible maximum level at the time when the reservoir receives huge inflows. Problem -Mullaperiyar dam has the unique limitation of lesser head sluice discharge with a maximum discharge capacity of 2,300 cusecs.

5. **Head sluice discharge is the withdrawal of water from the dam through tunnel towards Tamil Nadu side. This is minimum in comparison to the dam's maximum flood design of 1.24 lakh cusecs. In 2017, the dam received 30,000 cusecs of inflow.** Surplus water is released towards Idukki district of Kerala through shutters.

FLOATING GAS

1. Terminals As winter nears, European nations have embraced a short-term fix to replace the natural gas they once bought from Russia by opening a series of roughly 20 floating terminals. The floating terminals are essentially liquefied gas tankers that can return the fuel to its gas state themselves, which means a complete port is not required.

2. These floating terminals would receive liquefied natural gas from other countries and convert it into heating fuel. Some scientists warn that these terminals would perpetuate Europe's reliance on natural gas, which releases climate-warming methane and carbon dioxide when it's produced, transported and burned.

3. The floating terminals will end up becoming a long-term supplier of Europe's vast energy needs that could last years, if not decades. Such a trend could set back emission-reduction efforts that experts say have not moved fast enough to slow the

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been approved for primary immunisation in those 18 and above, Health Minister Mansukh Mandaviya said on Tuesday. The company said it was optimised for supply and administration. The approval from the Central Drugs Standard Control Organisation for restricted use in emergencies will further strengthen India's fight against the pandemic, the Minister tweeted.

₹7,183 crore, the sixth instalment of the revenue deficit grant released to 14 States by the Finance Ministry for the current fiscal. The States for which the Post Devolution Revenue Deficit grant has been recommended by the 15th Finance Commission during 2022-23 are Andhra Pradesh, Assam, Himachal Pradesh, Kerala, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Rajasthan, Sikkim, Tripura, Uttarakhand and West Bengal. The grant is released in 12 equated monthly instalments.

1,325 number of people killed due to catastrophic floods in Pakistan, with at least 11 killed in the last 24 hours. Efforts are on to minimise the losses by rescuing the people and providing them with food and shelter. The National Disaster Management Authority (NDMA) said that 12,703 people were injured due to accidents related to the floods. Though the situation has improved in the mountainous north, the Sindh province in the south is still braving floods.

The people of Chile resoundingly rejected a new constitution which was set to replace a charter imposed by General Augusto Pinochet 41 years ago. In 2019, over a million people took to the streets of Chile for greater equality and more social protections. The protests culminated with the then right wing President Sebastian Piñera approving a referendum on the constitution. B The main changes to the constitution involved reforms to the pension system, mining grants, the nature of property ownership as well as policies with respect to the environment.

Marking some progress on the delayed implementation of the \$500 million defence Line of Credit (LoC) extended by India to Bangladesh, Dhaka has recently shared a wish list of military platforms and systems that its armed forces would like to procure from India, according to official sources. This includes a diverse range of equipment,

damage being done to the global environment. Floating Gas technology makes the production, liquefaction and storage of natural gas possible at sea.

GEMINI NORTH TELESCOPE

1.The Gemini North telescope in Hawai'i captured this brilliant image of a pair of spiral galaxies interacting as they clash and merge into each other. The spiral galaxies NGC 4568 and NGC 4567 are entangled in their mutual gravitational fields and should eventually combine to form a single elliptical galaxy in around 500 million years.

2.The Gemini North Telescope is one of the twin telescopes at the International Gemini Observatory, Maunakea, Hawai'i. This optical/infrared telescope is operated by the US National Science Foundation's (NSF) NOIRLab. This telescope was built to take advantage of the superb atmospheric conditions on this long-dormant volcano that rises about 4214 meters into the dry, stable air of the Pacific. Since 2002 Gemini North has also been known as the Frederick C. Gillett Gemini North telescope.

3.**International Gemini Observatory-International Gemini Observatory consists of two 8.1-metre telescopes, Gemini North Telescope, located on the dormant volcano Mauna Kea on the island of Hawaii in the Northern Hemisphere, and Gemini South Telescope, located at the Cerro Tololo Inter-American Observatory on Cerro Pachon in Chile** in the Southern Hemisphere. The Gemini Observatory's international headquarters is located in Hilo, Hawai'i at the University of Hawaii Hilo's University Park.

4.The two telescopes have been optimized for observations at infrared wavelengths by having their primary mirrors coated with silver. The silver coatings do not emit as much thermal infrared radiation as the more commonly used aluminum coatings. Both of the Gemini telescopes have been designed to excel in a wide variety of optical and infrared capabilities. By incorporating technologies such as laser guide star adaptive optics and multi-object spectroscopy, astronomers in the Gemini partnership explore the universe in unprecedented depth and detail.

5.Goals Twin telescopes in both hemispheres provide participant members with access to the entire sky To provide the best image quality possible from the ground for telescopes of their size. To provide the cleanest possible (i.e. lowest possible emissivity) telescopes, for optimal infrared observing from the ground.

MOHENJO-DARO

1.The recent spell of heavy rains and floods that ravaged large parts of Pakistan's Sindh province has taken a heavy toll on the archaeological site of Mohenjo-daro. Mohenjo-daro, a group of mounds and ruins, is a 5000-year-old archaeological site. Mohenjo-daro is located on the bank of the Indus river, northern Sindh province, southern Pakistan.

2.Mohenjo-daro, which means 'mound of the dead', was one of the oldest cities of the world. Mohenjo-Daro was the largest city of the Indus Valley Civilization. Known to be a model planned city of the Indus Valley Civilisation, the houses here had Great Bath, bathrooms, toilets and drainage system. The sheer size of the city, and its provision of public buildings and facilities, suggests a high level of social organisation.

3.The archaeological importance of the site was first recognized when archaeologist RD Banerji visited it in 1922, one year after the discovery of Harappa. Mohenjo-daro was designated a UNESCO World Heritage site in 1980. But, it might be removed from the world heritage list, if urgent attention towards its conservation and restoration is not given.

RAMON MAGSAYSAY OF THE PHILIPPINES

1.Former Kerala health minister K K Shailaja has declined her nomination for the 2022 Ramon Magsaysay Award Shailaja said that in view of the anti-communist stance of Ramon Magsaysay, the former Philippines president whose legacy the prestigious award honours, and for its foundation's decision to consider her as an individual recipient for what was a state initiative, she had declined her nomination.

2.**About Ramon Magsaysay Award: Launched in 1958, the Ramon Magsaysay Award, widely considered to be Asia's**

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including a floating dock, and logistics ship and oil tanker for the Bangladesh Navy, among others.

The Supreme Court wondered whether the government can “lower the scale” of eligibility for disabled candidates applying for the Indian Police Service (IPS) even as the petitioners said if Israeli, American, and Canadian forces can accommodate the disabled, India can well try.

equivalent to the Nobel Prize, recognises outstanding leadership and communitarian contributions in Asia.

3. Who was Ramon Magsaysay Ramon del Fierro Magsaysay Senior was the seventh president of the Philippines, from 1953 until his death in an air crash in 1957.