









# EXPRESS NETWORK

## BRIEFLY



Bhupen Hazarika

### ASSAM

#### Cultural centre at Hazarika's Kuthori house

*Nagaon:* Assam government has acquired the land and house that once belonged to Bhupen Hazarika at Kuthori near the Kaziranga National Park to set up a cultural centre, an official said on Sunday. Kaliabor Sub-divisional Officer P K Das had handed over the seven bighas of land to the cultural department last month. The government proposes to set up a cultural project at the site in Nagaon district, which will include a museum, a cinema hall and a library to preserve Hazarika's creations, including his songs and literary works. **PTI**

### GUJARAT

#### Man kills wife by injecting cyanide in her drip bottle

*Bharuch:* A man was arrested on Sunday for allegedly killing his wife by injecting cyanide into her drip bottle while she was undergoing treatment in Ankleshwar town nearly a month ago, police said. The crime, which was allegedly committed as a result of marital discord, came to light on the basis of a forensic report received by the police on Friday, nearly a month after victim Urmila Vasava (34) died while undergoing treatment for chest pain, police said. The FSL report established that Vasava died as cyanide was injected into her body, which the police said was procured by her husband Jignesh Patel from the factory where he worked. **PTI**

### TRIPURA

#### TMC workers arrested after clash released

*Agartala:* Fourteen Trinamool Congress activists, who were arrested in Khowai district on Sunday after a clash with BJP workers in Dhalai district were granted bail and interim bail in separate cases by a local court on Monday. Soon after they were released, Trinamool leaders said all of those released would be taken to Kolkata on an "urgent basis" as they had suffered injuries. Trinamool youth leaders Sudip Raha and Jaya Dutta were injured in Sunday's clash. **ENS**

### UTTARAKHAND

#### ITBP inducts women officers in combat roles

*Mussoorie:* The Indo-Tibetan Border Police (ITBP) on Sunday commissioned its first two women officers in combat after they completed their training here. A total of 53 officers passed out from the ITBP officers' training academy located in Mussoorie after a parade was held, with Uttarakhand Chief Minister Pushkar Singh Dhami officiating as the chief guest. Dhami and ITBP director general S S Deswal put the ranks of Assistant Commandant on the shoulders of the two officers – Prakriti and Diksha – after the passing out parade. **PTI**

## NIA searches dozens of Jamaat-e-Islami premises in J&K over terror funding

**EXPRESS NEWS SERVICE**  
NEW DELHI, JAMMU, SRINAGAR AUGUST 8

THE NATIONAL Investigation Agency Sunday searched 56 locations allegedly linked to the banned Jamaat-e-Islami (JeI) in Jammu and Kashmir as a part of its probe into a terror funding case. The searches, conducted along with the Jammu and Kashmir Police, began early in the day and were going on till the evening. They were carried out in Kashmir's Srinagar, Budgam, Ganderbal, Baramulla, Kupwara, Bandipora, Anantnag, Shopian, Pulwama and Kulgam districts and Jammu's Ramban, Doda, Kishtwar and Rajouri districts. JeI was banned by the government on February 28, 2019 —

shortly after the Pulwama attack. Sources said NIA registered the terror funding case on February 5 under the Unlawful Activities Prevention Act.

An NIA statement said: "The members of the organisation have been collecting funds domestically and abroad through donations particularly in the form of Zakat, Mowda and Bait-ul-Mal purportedly to further charity and other welfare activities but these funds are instead being used for violent and secessionist activities."

It said these funds were channelled to banned groups such as Hizb-ul-Mujahideen, Lashkar-e-Taiba and others.

"JeI has also been motivating impressionable youth of Kashmir and recruiting new members (Rukuns) in J&K to participate in disruptive secessionist activities,"

It said. NIA said the raid locations include the premises of office bearers of JeI, its members, as well as offices of trusts purportedly run by the organisation.

"During the searches today, various incriminating documents and electronic devices were seized from the premises of the suspects," it said.

The houses raided by the central agency include that of former chief Sheikh Ghulam Hassan at Kulgam and former senior leader Gazi Moin in Srinagar. It also searched the premises of the affiliated Falah-e-Aam Trust that runs schools in the Valley, said sources.

In Doda, sources identified some of the JeI activists whose premises were being searched as Dr Anayatullah Wani and Abdul Hafiz Sheikh of Marmat, Sadar-U-Din of Bahalla, Mohammad Sadiq

of Thathri, Aftab Ahmed Khokhar of Doda main Bazaar, and Abdul Hafiz Sheikh of Ghat.

The Ministry of Home Affairs had banned Jamaat-e-Islami for five years following a meeting chaired by Prime Minister Narendra Modi.

Police and paramilitary forces had also launched a crackdown against the organisation on the night of February 22, 2019, raiding the houses of dozens of members and detaining more than 250.

Among those detained were top state and district leaders, including JeI chief Dr Abdul Hameed Fayaz, former secretary general Dr Ghulam Qadir Lone, spokesperson Advocate Zahid Ali and most of the district presidents. Most of the activists were detained from the four districts of South Kashmir. Fayaz continues to be in jail.

## Fully vaccinated people can travel in Mumbai local trains from Aug 15: Uddhav

**VISHWAS WAGHMODE**  
MUMBAI, AUGUST 8



Uddhav Thackeray

PEOPLE WHO have been fully vaccinated and completed 14 days after receiving the second dose of an anti-Covid vaccine will be allowed to travel by Mumbai suburban local trains from August 15, Chief Minister Uddhav Thackeray announced Sunday.

Mumbai has fully vaccinated 19 lakh people, most of whom likely entirely dependent on public transportation.

Thackeray said a meeting would be held with the state Covid Task Force on Monday to discuss easing curbs for places of worship and providing more relaxation to the hotels, restaurants and malls.

"We are allowing the local trains to the general public from August 15. In the first phase, those who have taken both the doses of vaccines and have completed 14 days after taking the second dose, will be allowed to travel by the local trains. We have prepared a mobile application where fully vaccinated people can register to get a railway pass," Thackeray said while ad-

ressing the state through social media Sunday.

The CM further said people will have to provide details of two doses of vaccines, completion of 14 days after the second dose and a QR code, which will help the railways to verify authenticity, to obtain the travel pass. People who have smartphones can download the pass from the mobile application. Those who don't have smartphones, the CM said, can get the pass through the BMC offices and Mumbai suburban railways offices.

"At present, there are around 19 lakh people in Mumbai who have taken the two doses of (Covid) vaccines and have completed 14 days after the second dose. This number will go up daily till August 15. And once we become habituated to the pass system, then we will open up restaurants, malls and others in a phase-wise manner," the CM added.

## Houseboats to hotels, Kerala tourism feels the pinch after months of curbs

**SHAJU PHILIP**  
THIRUVANANTHAPURAM, AUGUST 8

LAST YEAR, the Covid slump pushed T Vinod out of his job as Operations Manager at a resort in Munnar, the popular hill station in Kerala. The 38-year-old, hailing from the upper reaches of Idukki, tried his hand at several small jobs to feed his family of three — from working in the construction sector to selling cloth masks — and shifted his son from a private school to a government institution to cut costs.

Down south near the coast, Devassia Varghese, who was a driver on a houseboat till last year, is now desperately looking for work as a farm hand. The 56-year-old with a family of five in Chambakkulam village of Kuttanad has been without a job "for the last 14 months".

"Many of my colleagues in the houseboat sector are now going for inland fishing or other daily wage work," says Varghese. "Last week, I signed up for work under the rural jobs scheme (MNREGS)," says Vinod.

From the hill stations of Munnar and Wayanad to the backwaters of Alappuzha, the pandemic has shattered Kerala's tourism industry, which employs about 15 lakh people and contributes 11.5 per cent of the state's GDP. According to state Tourism officials, the total earnings from the sector in 2019 was Rs 45,010 crore. In 2020, it was only around Rs 11,000 crore — mainly during the months of January to March, before the pandemic struck, and mid-November onward, when the first wave eased (see box). Officials said domestic arrivals

### DIP IN TOURISTS

YEAR	FOREIGN TOURISTS	DOMESTIC TOURISTS
2019	11.88 lakh	1.83 crore
2020	3.40 lakh	49.88 lakh
2021*	14,489	2.2 lakh

\*January-March

fell by 72.86 per cent in 2020 from 2019, and international by 71.36 per cent.

In the first three months of this year, before the third wave surged, the state logged a decline of 40.53 per cent in domestic and 95.65 per cent in international arrivals from the same period last year.

Kochi-based tourism consultant Sanjeev Kumar Nair says a large number of properties are up for sale. "Most of the properties have loan liability. Even though they are not operational, a skeletal staff has to be maintained for regular upkeep," says Nair.

According to All Kerala Houseboat Owners Association representative, Tomy Pulickattil, there was "a short period of relief" in December-January after the first wave waned.

"Many of us spent Rs 5 lakh to Rs 8 lakh to re-launch since the houseboats need repairs after lying idle. Then came the second wave, and with the third now looming large, we are wary of making any fresh investment. The high fuel prices have also made resumption of operations unviable. We cannot increase the boat rent, either, at this stage," says Pulickattil.

The backwaters in Alappuzha alone has about 1,000 houseboats, each employing three-five persons. "Now, the employees as well as investors have turned to other

avenues, such as door delivery of fish and vegetables," says Pulickattil.

In Wayanad, resort operator P TJamshith says a large number of properties are in crisis "without a paisa to resume business".

"Several resorts and homestays have been closed. Many are up for sale at half the rate of pre-Covid days. Those who have taken properties on lease have abandoned them. The only relief is that bikers are now checking in at off-road resorts," says Jamshith.

The sector has to "immediately go into survival mode," says Jose Dominic, CEO of CGH Earth Group of Hotels.

"Loan schemes of the government will not work as that will only increase liability. The only solution is opening up the sector. Domestic tourism has to take place. But the negative publicity emerging from the high number of Covid cases is a matter of concern," says Dominic.

On Saturday, Kerala recorded 20,367 new cases, taking the total caseload to 3,533,918. The state also reported 139 Covid-linked deaths, with the total toll reaching 17,733. On Sunday, Tourism Minister P A Mohammed Riyas announced that his department will celebrate Onam this month-end virtually, showcasing the state's arts, culture, cuisine and destinations on a digital platform.

### TRACKING THE SECOND SURGE

525 DAYS SINCE PANDEMIC BEGAN

**NEW CASES: 34,629**

**ACTIVE CASES: 4,02,683**

**TOTAL VACCINATION: 50,68,10,492**

**DAILY DEATHS**

**447**

**TOTAL DEATHS**

**4,28,309**

**WEEKLY CFR**

**1.32%**

**OVERALL CFR**

**1.36%**

TESTS TODAY: 18,06,290 | TOTAL TESTS: 48,18,45,475

WEEKLY POSITIVITY: 2.24% | OVERALL POSITIVITY: 6.63%

### STATES REPORTING MOST CASES

STATE	NEW CASES	ACTIVE CASES	WEEKLY POSITIVITY	TOTAL VACCINATION
■ Kerala	18,607	1,77,012	12.52%	2,17,82,466
■ Maharashtra	5,508	71,510	3.12%	4,66,87,572
■ Andhra Pradesh	2,050	19,949	2.54%	2,36,21,506
■ Tamil Nadu	1,956	20,407	1.26%	2,51,39,694
■ Karnataka	1,598	23,956	1.11%	3,27,70,543

### STATES REPORTING MOST DEATHS

STATE	TODAY'S DEATHS	TOTAL DEATHS	WEEKLY CFR	OVERALL CFR
■ Maharashtra	153	1,36,336	2.53%	2.19%
■ Kerala	93	17,826	0.82%	0.54%
■ Odisha	69	6,488	3.04%	0.67%
■ Tamil Nadu	28	34,317	1.64%	1.35%
■ Karnataka	20	36,793	1.94%	1.27%

Note: Data as on Aug 8; vaccination numbers as of Aug 7. Deaths include those caused by comorbidities.

## 45 cases of Delta Plus variant in Maharashtra

*Pune:* Genomic surveillance by the state health department has identified 45 cases of Covid-19 caused by Delta Plus variant, across Maharashtra, with 13 in Jalgaon and 11 in Ratnagiri districts.

Three cases have been detected in Pune, five in Thane and six in Mumbai. Remaining cases have been detected with one each in Sangli, Kolhapur, Sindhudurg, Palghar, Aurangabad, Kolhapur and Beed districts.

Out of the 45 cases, 27 people infected with Delta Plus variant are male while the remaining are female. A total of 20 people infected by this variant are in the age group 19 to 45, 14 between the age group of 46 and 60, six children are aged below 18 and five are aged above 60. **ENS**

## BENGALURU

# Drug crackdown shows results: Spike in cases, drugs seized, arrests

**JOHNSON T A**  
BENGALURU, AUGUST 7

THE DEATH of a 27-year-old Congolese national in the custody of the Bengaluru police after being arrested for alleged trafficking of party drugs comes amidst a crackdown on drug traffickers in the city over the last two years — resulting in a nearly 10-fold rise in registered drug cases, from 285 in 2018 to 2,766 in 2020. 2021 has already seen 2,550 cases being registered.

The wide net cast by police authorities has seen the busting of celebrity drug networks serviced by foreign suppliers, who are believed to bring in drugs via various means, such as parcels to post offices, purchases on the dark net, and from cities like Delhi and Mumbai.

The number of foreigners arrested on drug trafficking charges has also seen a corresponding jump — from 82 in 2018-19 to 184 in 2020-21. In the seven months of the current year, 100-odd foreigners have been arrested. The quantity of MDMA seized in the city has increased from 876 grams in 2018-

19 to 2,571 kg in 2020 and 7,777 kg in 2021, police data show.

Lauding the police efforts, former chief minister B S Yediyurappa had said last year, "This is the first time in the country that strong action is being taken against drug usage."

Sources involved with the operations say police have managed to tap into the drug supply and consumer network — a tightly bound unit, with suppliers selling only to known purchasers — "through systematic arrests". The leads from a drug haul in November 2018, of 1.5 kg of heroin and 1,930 Ecstasy tablets worth an estimated Rs 1.5 crore, for example, led police last year to two actresses and other known names, as well as Loom Pepper, a Senegalese national and allegedly a major drug supplier.

Officers say police call records and WhatsApp data have helped police zero in on users and suppliers. "The whole network operates on mobile phones and messaging services," said a source.

Police claim to have zeroed in on Congolese national Joel Shindani Malu alias Jon, 27, who

died in police custody on August 2, through an informant. His custodial death, resulting in protests, was not the first such incident. In May 2021, a Nigerian national, Peter Ofor, had been found dead near a lake after he was reportedly picked up by police on drug trafficking charges. In 2017, another Nigerian, Ifeanyi Madu, had died reportedly when he fell off a scooter while being pursued by the narcotics wing of the Bengaluru Crime Branch.

"There are rival gangs among foreign drug suppliers. Many times seizures occur due to tip-offs provided to police on account of the rivalries," an officer said.

A senior officer admitted that police have been known to use high-handed measures, particularly against African nationals, many of whom are found to be overstaying after expiry of their visas. In fact, filing of cases ends up allowing them to remain in the country after release on bail, on account of pending trials. In 2019, the Karnataka High Court had ordered that illegal foreigners awaiting trial in the state be lodged in detention centres and not be released after bail.

### ASSAM

## Lovlina hoardings: Case against portal after DIPR alleges fake news

**TORA AGARWALA**  
GUWAHATI, AUGUST 8

POLICE HAVE registered a case against a Guwahati-based news portal after the Directorate of Information and Public Relations (DIPR), Assam alleged that the website had aired "fake news" — related to hoardings that featured Olympian boxer Lovlina Borgohain — to "malign the the image of the Minister of Information and Public Relations, Pijush Hazarika and the department in public eye".

In a complaint to Dispur Police Station in Guwahati on Friday, the director of DIPR requested that "appropriate legal action against the web portal" be taken under law for "dissemination of completely false and fabricated information designed to malign the images of innocent persons".

The police registered a case under Sections 294A/500/505(2) of the IPC and Section 45A of the IT Act on Friday. "The complaint came to us on August 6. We registered the case and now we are investigating it," said an officer in Dispur Police Station.

The now-deleted news clip, posted on the Facebook page of Assamese news website *The CrossCurrent* Friday afternoon, reportedly questioned the use of Chief Minister Himanta Biswa Sarma's photos on multiple hoardings that were put up in Guwahati in the past week — one congratulating Borgohain and the other commemorating the death anniversary of Assam's first chief minister Ginop Nath



The portal reportedly questioned the use of Chief Minister Himanta Biswa Sarma's photos on multiple hoardings.

Bordoloi.

The hoardings had large images of Sarma. In the Borgohain hoarding, the boxer's photograph was not featured at all. In the Bordoloi hoarding, the former chief minister's face was relegated to the periphery, with Sarma's occupying most of the space.

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**Registrar**

**ਪੰਜਾਬ ਨੈਸ਼ਨਲ ਬੈਂਕ** **punjab national bank**  
ਪੰਜਾਬੀ ਕਾ ਬੈਂਕ

Circle: SASTRA Centre, Sri Ganganagar, Circle Office: Meera Chowk, Sri Ganganagar, E-mail id: ca8321@pnbb.co.in

**APPENDIX IV [See Rule 8(i)]** **POSSESSION NOTICE**

Whereas, The undersigned being the Authorized officer of the Punjab National Bank under the Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 and in exercise of powers conferred under Section 13 read with rule 3 the Security Interest (Enforcement) Rules, 2002 issued a Demand notice Dated 25/05/2021 calling upon the Borrower M/s Vikram Trader through proprietor Mr. Sada Kumar W/o Mr. Gopal Singh, Guarantor/Mortgagor 1. Mr. Gopal Singh S/o Mr. Bhagiraath and 2. Mr. Rajesh Kumar S/o Mr. Prem Sagar to repay the amount mentioned in the notice being Rs.6,39,914/- (Rupees Six Lakhs Thirty Nine Thousand Nine Hundred Fourteen only) as on date 31/03/2021 with Further interest, charges & expenses etc., within 60 days from the date of receipt of the said notice.

The Borrower/Guarantor/owner of property having failed to repay the amount, notice is hereby given to the Borrower/Guarantor/owner of property and the public in general that the undersigned has taken possession of property described herein below in exercise of powers conferred on him/her under sub-section (4) of section 13 of said Act read with Rule 8 of the Security Interest Enforcement Rules, 2002 on this 03 day of August 2021.

The Borrower/Guarantor/owner of property in particular and the public in general is hereby cautioned not to deal with the property and any dealings with the property will be subject to the charge of the Punjab National Bank for an amount of Rs.6,39,914/- (Rupees Six Lakhs Thirty Nine Thousand Nine Hundred Fourteen only) as on date 31/03/2021 with Further interest, charges & expenses etc.,

The Borrower/Guarantor/owner of property attention is invited to Provisions of sub-section (5) of section 13 of the Act, in respect of time available, to redeem the secured assets.

Description of immovable property:  
EQM of the Residential Property at House No. 193 (West Facing), Ward No. 11, Gandhi Basti, Near Mahila Park, Purani Abadi, Srianganagar (Raj.), as per bank record measuring 19'x 33' = 665 Sqft. in the name of Mr. Gopal Singh S/o Mr. Bhagiraath.

Bounded: On the North by : House No. 194, On the South by : House No. 192, On the East by : Other House, On the West by : Road  
Date: - 03/08/2021  
Place: - Sri Ganganagar

Authorized Officer  
Punjab National Bank

**ਪੰਜਾਬ ਨੈਸ਼ਨਲ ਬੈਂਕ** **punjab national bank**  
ਪੰਜਾਬੀ ਕਾ ਬੈਂਕ

Circle: SASTRA Centre, Sri Ganganagar, Circle Office: Meera Chowk, Sri Ganganagar, E-mail id: ca8321@pnbb.co.in

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The Borrower/Guarantor/owner of property having failed to repay the amount, notice is hereby given to the Borrower/Guarantor/owner of property and the public in general that the undersigned has taken possession of property described herein below in exercise of powers conferred on him/her under sub-section (4) of section 13 of said Act read with Rule 8 of the Security Interest Enforcement Rules, 2002 on this 03 day of August 2021.

The Borrower/Guarantor/owner of property in particular and the public in general is hereby cautioned not to deal with the property and any dealings with the property will be subject to the charge of the Punjab National Bank for an amount of Rs.6,37,889.22/- (Rupees Six Lakhs Thirty Seven Thousand Nine Hundred Eighty Nine and Twenty Two Paise only) as on date 31/03/2021 with Further interest, charges & expenses etc.,

The Borrower/Guarantor/owner of property attention is invited to Provisions of sub-section (5) of section 13 of the Act, in respect of time available, to redeem the secured assets.

Description of immovable property:  
EQM of the Residential Property at House No. 23 (North Facing), Street No. 8, Surjeet Singh Colony, Near Gurunank Chowk, Sec. No. 4, Killa No. 6, Chak 3 A, Chhohi, Seta Colony, Srianganagar (Raj.), as per bank record measuring 15'x 50' = 750 Sqft. in the name of Mr. Rajender Singh S/o Mr. Raj Singh.

Bounded: On the North by : Road, On the South by : Other Property, On the East by : House of P.C. Chawla, On the West by : Other Property  
Date: - 03/08/2021  
Place: - Sri Ganganagar

Authorized Officer  
Punjab National Bank



THE INDIAN EXPRESS, MONDAY, AUGUST 9, 2021

## 4 Govt &amp; Politics



DELHI CONFIDENTIAL



## TWEETING STORM

A DAY after the Twitter account of Congress leader Rahul Gandhi was temporarily locked over a photograph he posted with the family of the nine-year-old Dalit rape victim, several of his party leaders Sunday tweeted the same photograph and a photograph posted by the National Commission of Scheduled Castes of its members meeting the victim's family members. They called it a double standard by Twitter and asked how fearful it is of the Narendra Modi government that it is singling out Rahul's account when government bodies did the same thing. The party also fielded four women spokespersons — Supriya Shrinete, Ragini Nayak, Alka Lamba and Amrita Dhawan — to target the government and question the silence of the women ministers in the government on the issue.

## THE PUSH

CENTRAL GOVERNMENT employees are not participating well enough in the government's campaign to set a record of maximum people singing the national anthem ahead of Independence Day. People are supposed to participate by uploading individual videos of themselves singing the anthem on Rashttagaan.in and get a certificate of participation. The Culture Ministry has now sent out a communication to all ministries that the participation by employees is "below expectation" and that a mechanism of accountability needs to be devised so officials upload their videos and WhatsApp their certificates to a person of responsibility in their respective departments.

## PANIPAT PRIDE

NEERAJ CHOPRA's Olympics achievement has found an admirer in another "Panipat boy" — US acting envoy Atul Keshap. Soon after Chopra won the gold in javelin throw, Keshap tweeted a video clip of Chopra on the podium with the national anthem playing in the background. The accompanying message said: "Olympic GOLD for India! From Roosevelt House in New Delhi, this Panipat boy bursts with joy and pride for a sporting hero from Panipat, Neeraj Chopra!" Keshap's grandparents used to live in Panipat, and he used to visit them with his NRI father in his teens in the 70s till the early 80s.

## Hopeful of IT panel taking up Pegasus issue, says Tharoor

MANOJ CGG  
NEW DELHI, AUGUST 8

ALTHOUGH THE Parliamentary Standing Committee on Information Technology could not take up a discussion on the Pegasus snooping issue at its last meeting after BJP members on the panel blocked proceedings of the meeting citing lack of quorum, panel chairman Shashi Tharoor on Sunday said he was hopeful that the committee will take up the issue going forward.

The last meeting on July 28 also saw, what Tharoor calls, "last minute refusal" by representatives of three ministries to attend it. Tharoor has since then written to Lok Sabha Speaker Om Birla, asking him to take "serious cognizance" of the matter and called the conduct of the officials "unprecedented", "breach of parliamentary privilege" and "contempt of the House".

Talking to The Indian Express, Tharoor said the IT committee had been conducting discussions on citizens' data privacy and security for the past two years. He said cyber security topics had

also featured in its agenda under the previous chairman, BJP's Anurag Thakur.

"The Pegasus issue therefore clearly falls under the purview of the IT committee and within these subjects on its agenda. So, it is only expected that members of the IT committee will ask questions about it when these topics arise. It is no secret that the committee's meeting on its established agenda was disrupted by BJP members who did not want Pegasus to be discussed," he said.

"It was unprecedented for 10 members to attend and to refuse to sign the register in order to prevent a discussion. And three officials who were supposed to testify that day appear to have been instructed not to attend, making last-minute excuses, which is a grievous assault on the prerogatives of parliamentary committees to summon witnesses," he said.

Arguing that accountability to Parliament is a cornerstone of India's democracy, Tharoor said "but it is increasingly being tossed aside in the current regime's headlong rush to autocracy".

## In MP booklet of offensive words: postman, anyway, sasur

IRAM SIDDIQUE  
BHOPAL, AUGUST 8

LAWMAKERS INSIDE the Madhya Pradesh Assembly would do well to tread carefully while mentioning the word 'postman'. Or *anyay* (injustice). Or, for that matter, ventilator, habitual, *bechara* (poor person), *halla* (noise), *bhedbhav* (discrimination), *yaar* (friend), and *bandhuwa mazdoor* (bonded labourer).

These words are among the hundreds of words and phrases expunged from the Madhya Pradesh House between 1954 and 2020 — and they have now found their way into an official advisory booklet for MLAs.

Released by the Madhya Pradesh Assembly on Sunday — a day before its Monsoon Session begins — it is meant to help MLAs exercise restraint in speech during heated arguments.

According to Speaker Girish Gautam, the words by themselves do not seem unparliamentary — but the context makes them so.

The booklet, compiled by Assembly officials, begins by flagging the word *sasur* (father-in-law) that was expunged on September 23, 1954. It moves on to *tanasha* (dictator) that was removed on March 31, 1967; *galat* (wrong) that was expunged on July 4, 1980; and *dikkat* (difficulty) that was removed on February 26, 2021.

## Threat to human rights is highest in police stations: CJI

EXPRESS NEWS SERVICE  
NEW DELHI, AUGUST 8

POINTING OUT that custodial torture and other police atrocities are problems that still prevail in society, Chief Justice of India N V Ramana Sunday said the "threat to human rights and bodily integrity are the highest in police stations".

He flagged the issues of human rights and dignity, saying these are "sacrosanct".

"The threat to human rights and bodily integrity are the highest in police stations. Custodial torture and other police atrocities are problems that still prevail in our society. In spite of constitutional declarations and guarantees, the lack of effective legal representation at the police stations is a huge detriment to arrested/detained persons," the CJI said, addressing an event organised by National Legal Services Authority (NALSA).

"The decisions taken in these



CJI N C Ramana

early hours will later determine the ability of the accused to defend himself. Going by the recent reports even the privileged are not spared third-degree treatment," he said.

"To keep police excesses in check, dissemination of information about the constitutional right to legal aid and availability of free legal aid services is necessary. The installation of display boards and outdoor hoardings in every police station/prison is a step in this direction," CJI Ramana said, as he called upon NALSA to carry out nationwide

sensitisation of police officers.

He said the concept of free legal aid to the needy has its roots in the freedom movement. "Those days, the legal luminaries rendered pro-bono services to freedom fighters, who were targeted by the colonial rulers. This spirit of service found reflection in the Constitution, with those very same legal luminaries serving as members of the Constituent Assembly."

Stressing the need to work on access to justice for all, irrespective of their socio-economic status, CJI Ramana said this is imperative to ensure that we remain a society governed by rule of law.

"If we want to remain a society governed by the rule of law, it is imperative for us to bridge the gap of accessibility to justice between the highly privileged and the most vulnerable. For all times to come, we must remember that, the realities of socio-economic diversity which prevail in our nation, cannot ever be a reason for denial of rights," he said.

Asking not to let the past determine the future, he said that project "Access to Justice" is an unending mission for the country so that it can dream of a future based on legal mobility, a future where equality is a reality. "If, as an institution, the judiciary wants to garner the faith of the citizens, we have to make everyone feel assured that we exist for them. For the longest time, the vulnerable population has lived outside the system of justice," the CJI said.

Pointing out that "prevailing obstacles like lengthy, painstaking and expensive formal justice processes add to the woes of realising the goals of Access to Justice", CJI Ramana said: "As an institution, the toughest challenge before us is to break these barriers first."

Making it clear that accessing justice in India is not merely an aspirational goal, he said, "We need to work hand in hand with various wings of the government to make it a practical reality."

## BKU to hold mega 'Tiranga Yatras' in Haryana on August 15

EXPRESS NEWS SERVICE  
CHANDIGARH, AUGUST 8

THE BHARTIYA Kisan Union (BKU), led by Gurnam Singh Chaduni, has announced that it will hold mega 'Tiranga Yatras' across the state on August 15. BJP's two-week long 'Tiranga Yatras', aimed at creating a passion for patriotism among youths, will conclude on August 14.

Chaduni on Sunday confirmed that the 'Tiranga Yatras' will be carried out by farmers on tractors and motorcycles on the occasion of Independence Day. The BKU has already started preparations to hold the yatras in villages of Haryana. Meetings are being held in villages to mobilise more farmers for the yatras to energise the ongoing agitation against the Centre's three contentious farm laws.

Farmers have been opposing events of BJP-JJP leaders for the past eight months as part of their agitation. However, this was first instance when the agitators decided against opposing BJP's Tiranga Yatra. The farmer leaders had called it a "trap to defame farmers if they would have opposed the yatras". On its part, the BJP leaders had insisted that they had undertaken such events earlier too.

Now, the BKU has decided to undertake 'Tiranga Yatras' to emphasize that farmers are the real patriots. "Our sons secure the borders and even got martyrdom for the honour of the tricolour," said Azad Palwa.

Jind BKU president, claiming that there has been an overwhelming response from the farmers and farm labourers for the proposed Tiranga Yatra of August 15.

"In Jind district, we have formed three teams of farmers and majdoor leaders to make people aware about our events. We have already covered 150 out of 306 villages of Jind district. In Jind district, we will hold Tiranga Yatras at five places," added Palwa.

## Akhilesh bonds with Mahan Dal, woos non-Yadav OBCs

ASAD REHMAN  
LUCKNOW, AUGUST 8

ASPART of his strategy to bring together smaller parties, especially non-Yadav OBCs, ahead of the Assembly elections in the state next year, Samajwadi Party (SP) president Akhilesh Yadav on Sunday addressed party workers of Mahan Dal, an OBC-based party headed by Keshav Dev Maurya, in Lucknow.

Presiding the Mahan Dal meeting as its chief guest, the SP chief lashed out at the BJP, accusing it of wedging a divide in the backward class community by pitting Yadavs against the rest of the OBC.

"The BJP says Yadavs are taking all the resources. Sometimes they say that we have snatched away what was yours. This narrative becomes more visible when elections approach... The BJP is just doing politics. You and I are Backwards. We follow the footsteps of Dr Bhimrao Ambedkar... Samajwadi Party is a party of the backwards and demands the rights for all its people," Akhilesh Yadav said, adding that if Mahan Dal and SP workers would work together in the election, the al-



Samajwadi Party chief Akhilesh Yadav in Lucknow. Express

liance could win 400 seats in the state.

The UP Assembly has 403 seats.

Once again reiterating the demand for a caste-based census, Yadav accused both the BJP and the Congress of refusing to do so. "First the Congress refused to do a caste census, then the BJP. The BJP will never do a caste-based census because they know who are demographically more. Assure all our people that when we will form the government, we will do a caste census. Even if the Central

government in Delhi refuses to do so, we will do it," the former chief minister said.

The Mahan Dal enjoys support from Backward communities like Mauryas, Khushwahas, Sakhyas and Sainis.

Speaking to The Indian Express, Mahan Dal chief Keshav Dev Maurya said his party's only aim is to remove the BJP from power. "They have not helped any community in the state. All communities are suffering — the Backwards, the Dalits, and the Muslims," he said.

## Rajbhar rules out alliance with BJP, signals SP

Lucknow: Suheldev Bharatiya Samaj Party (SBSP) president Om Prakash Rajbhar on Sunday ruled out an alliance with the BJP for next year's Assembly elections, saying his "doors are open to all parties except the BJP". Last Wednesday, the SBSP chief had said his party would not ally with the BJP if it decided to contest the polls under Chief Minister Yogi Adityanath's leadership.

Praising the Akhilesh Yadav-led Samajwadi Party (SP), he said people feel "only the SP can challenge the BJP" and claimed that the BJP would not win even one seat in eastern Uttar Pradesh if the SP joined hands with the coalition of small parties that the SBSP is a part of.

ENS

## PM to chair UNSC debate on maritime security, cooperation

EXPRESS NEWS SERVICE  
NEW DELHI, AUGUST 8

PRIME MINISTER Narendra Modi will chair a high-level open debate on the topic "Enhancing Maritime Security — A Case for International Cooperation" on Monday via video conferencing.

The Ministry of External Affairs on Sunday said the meeting is expected to be attended by several heads of state and governments of United Nations Security Council (UNSC) member states, along with high-level briefers from the UN system and key regional organisations.

"Modi would be the first Indian Prime Minister to preside over a UN Security Council Open Debate," the MEA said in a statement.

The open debate will focus on ways to effectively counter maritime crime and insecurity, and strengthen coordination in the maritime domain. Russian President Vladimir Putin is expected to attend the session, sources said.

The UN Security Council has discussed and passed resolutions on different aspects of maritime security and maritime crime, the MEA said. However, this will be the first time that maritime security will be discussed in a holistic manner as an exclusive agenda item in such a high level open debate.

"Given that no country alone can address the diverse aspects of maritime security, it is important to consider this subject in a



PM Narendra Modi

holistic manner in the United Nations Security Council. A comprehensive approach to maritime security should protect and support legitimate maritime activities, while countering traditional and non-traditional threats in the maritime domain," it said.

In 2015, Modi had put forward the vision of SAGAR — an acronym for "Security and Growth for all in the Region" — which focuses on cooperative measures for sustainable use of the oceans, and provides a framework for a safe, secure, and stable maritime domain in the region.

This initiative was further elaborated in 2019 at the East Asia Summit through the Indo-Pacific Oceans' Initiative (IPOI), with a focus on seven pillars of maritime security, including Maritime Ecology; Maritime Resources; Capacity Building and Resource Sharing; Disaster Risk Reduction and Management; Science, Technology and Academic Cooperation; and Trade Connectivity and Maritime Transport, the MEA said.

## BJP has become strong, workers told to hit back if touched, take two for one: Karnataka minister

EXPRESS NEWS SERVICE  
BENGALURU, AUGUST 8

IN A provocative statement, senior BJP leader and a minister in the Karnataka government, K S Eshwarappa, said on Sunday that if a "BJP worker is touched", the "instruction is to hit back with the same stick" and to "take away two, if even one is taken".

Speaking at a meeting of party workers in his constituency of Shimoga, Eshwarappa, state minister for rural development and panchayat raj, said the BJP has "become very strong" and its workers are now capable of giving back in equal measure when provoked or attacked by rivals.

"In neighboring Kerala, if any activist went to open a unit of the RSS, they would be murdered for speaking about Hindutva. We did not have the strength to strike back. Today, lakhs of people are with the BJP, and when there is a rally for Hindutva, lakhs gather," he said.

"In the past, they would murder our activists. Those days, our elders in the Sangh would say stay calm at all costs. We had to be calm, irrespective of the situation and how much we were attacked. We did not have the strength," he said.

"Today, the BJP has grown the world over, and if a BJP worker is touched anywhere in any corner, the instruction is to hit back with the same stick. In the past, the decision was to stay calm at all costs. Now, the decision is to take away two, if even one is taken. We have become very strong. Nobody will come to trouble us," Eshwarappa said.

Reacting to his remarks, Congress and SDPI leaders have called for his resignation. State Congress working president Saleem Ahmed said Chief Minister Basavaraj Bommai should sack Eshwarappa immediately.

"Eshwarappa is not worthy of being an MLA, let alone a minister, on account of his provocative statements. The Speaker must expel him from the Legislature, the Chief Minister must drop him from the Cabinet, and the Governor should intervene and ensure peace and stability in the state," said a spokesperson of the Social Democratic Party of India, Afsar Kodipet.

Eshwarappa, a veteran BJP leader who helped build the



KS Eshwarappa

party in Karnataka along with former CM B S Yediyurappa, is known to frequently make provocative statements on communal lines.

A few days ago, he said the BJP would have a "nationalist leader" as the CM the next time it comes to power since compromises had to be made this time to accommodate many newcomers in the party.

"Whenever we have come to power in the state, it has been with 'outside support'. I wish that in 2023 the BJP wins a majority on its own. As a veteran leader of the Sangh Parivar, I want to see a true nationalist becoming the CM," he said.

The statement was an oblique reference to the fact that Bommai is not an original member of the Sangh Parivar or the BJP, but shifted from the JD(U) in 2008.

While Eshwarappa did not make provocative statements when Yediyurappa was the CM, there is apprehension that the BJP may use such remarks by key leaders in the new regime under Bommai to stir up sentiments in the run-up to the 2023 Assembly polls.

Araga Jnanendra, the new home minister who also hails from Shimoga, has also been associated with stirring up communal passions in the past. In 2014, he was linked to protests over a communal flare-up in Thirthahalli region of Shimoga over the suicide death of a schoolgirl.

The death was given a communal turn on the ground that it was caused by a personal relationship with a person from a minority community. A CID probe found the girl's death was linked to academic issues she was facing following a change of schools.

In 2019, Jnanendra wrote to then CM Yediyurappa seeking dropping of cases against over 300 Hindu youths allegedly involved in violence over the 2014 death of the schoolgirl.





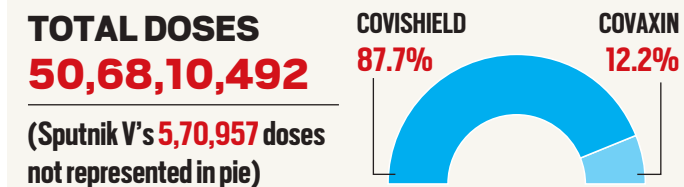
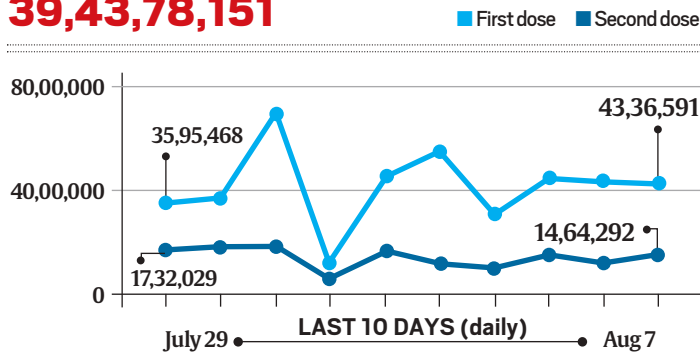
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If there are questions of current or contemporary relevance that you would like explained, please write to [explained@indianexpress.com](mailto:explained@indianexpress.com)

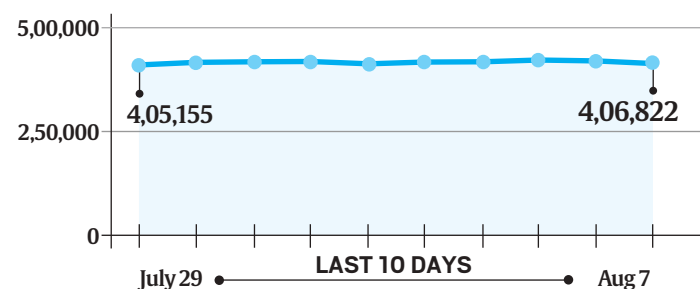
## CORONAVIRUS DASHBOARD

**TOTAL VACCINATED IN INDIA** (at least one dose)  
**39,43,78,151**



**DOSES ON AUG 07** **58,00,883**  
**AUG 06:** 56,82,014 (1ST DOSE: 44,10,510; 2ND: 12,71,504)

**INDIA ACTIVE CASES** **4,06,822**



Note: The August 7 figures in these graphs are based on the government updates on August 8

**INDIA TOTAL CASES** **3,19,34,455**  
Source: Ministry of Health & Family Welfare, updated at 11 pm on August 8

## Device that detects SARS-CoV-2 in saliva sample in one hour

ENGINEERS AT MIT and Harvard University have designed a small tabletop device that can detect SARS-CoV-2 from a saliva sample in about an hour. In a new study in *Science Advances*, they showed it is as accurate as PCR tests, MIT said in a press statement. It said the device can also be used to detect

specific viral mutations linked to some of the variants now circulating. The new diagnostic, which relies on CRISPR technology, can be assembled for about \$15, but those costs could come down significantly if the devices were produced at large scale, the researchers say. It is based on SHERLOCK, a CRISPR-based tool.

First, a pre-processing step disables enzymes called salivary nucleases, which destroy nucleic acids such as RNA. Once the sample goes into the device, the nucleases are inactivated by heat and two chemical reagents.

Then, viral RNA is extracted and concentrated by passing the saliva through a membrane.

This RNA sample is then exposed to freeze-dried CRISPR/Cas components. The reaction amplifies the RNA sample and then detects the target RNA sequence, if present.

The researchers designed the device, which they call minimally instrumented SHERLOCK (miSHERLOCK), so that it can have up to four modules that each look for a different target RNA sequence. The original module detects any strain of SARS-CoV-2. Other modules are specific to mutations including B.1.1.7, P.1, and B.1.351.

The Delta variant was not yet widespread when the researchers performed this study, but they say it should be straightforward to design a new module to detect that variant.

Source: MIT



**PAPER CLIP**

NEW RESEARCH

## EXPERT EXPLAINS

VIRANDER S CHAUHAN

From The Indian Express panel of specialists, exclusive insight

SARS-CoV-2 continues to play havoc in different parts of the world with several of its more virulent forms, particularly the Delta variant, now driving new waves of infections.

Vaccines developed against the virus are the most effective scientific intervention to control the pandemic. Developed at an amazing pace, as many as 19 vaccines have already been approved for immunisation in some part of the world or the other.

### Glaring disparities

These vaccines are the result of intense scientific collaborations among scientists in academia and industry, and early huge funding from many governments. Unfortunately, the initial collaborative efforts did not translate into equitable access, and the trajectory of access has largely replicated the classical paradigm of developed and the underdeveloped parts of the world. Glaring disparities and differences in vaccine types, their availability and distribution have emerged in vaccination programmes across the globe.

The initiative COVAX, led by the World Health Organization (WHO), has struggled to procure and distribute vaccines to low- and middle-income countries.

While the western and resource-rich countries have mostly relied on the novel platforms of mRNA based vaccines from Pfizer and Moderna, and viral vector vaccines of AstraZeneca and Johnson & Johnson, the low- and middle-income countries find themselves relying mostly on vaccines developed in China and Russia.

As of now, around 4.1 billion shots of various vaccines have been rolled out worldwide, with China (1.61 billion), India (455 million) and USA (344 million) accounting for more than half of these. Many developed countries have vaccinated more than half their populations. On the other hand, resource-compromised countries have barely started their vaccination programmes.

The gap between supply and demand of vaccines needs to be filled quickly. Clearly, we need more vaccines, but where will they come from?

### Vaccines in development

Among the 19 vaccines approved for use, a large number have been developed and approved in China, and more recently a few in



Queue for vaccination in Jaipur last week. India has administered over 50 crore doses, and hopes to procure 135 crore vaccines by December. Rohit Jain Paras

developing countries such as Cuba, Iran, Turkey and Kazakhstan. In addition, more than 30 vaccines are in large efficacy trials with a few already waiting for emergency use approval. More than 90 vaccine candidates have entered phase I/II trials. Therefore more than 120 vaccines, including many in the developing world, are under development.

Given the fact that so far only five vaccines have been abandoned following clinical trials, many of these vaccine candidates are destined to reach the regulatory stages in various countries. Although currently there is a huge shortage in supply, the space for introducing new vaccines cannot be unlimited, and only the best may be able to compete with the existing ones.

Also, manufacturers of currently in-use vaccines have announced major increases in production at multiple locations. For example, Pfizer has recently announced production of its vaccine in South Africa, specifically for use in African countries. The most cost-effective vaccine of AstraZeneca, which is approved in more than a hundred countries, is already being manufactured in many countries.

There will be additional challenges for the new vaccines. The current first-generation vaccines were tested against the original strain of the virus, but phase III trials of the new vaccines will have to deal with multiple, highly infectious variants.

Further, organising large phase III trials in itself will become more complex, particularly in locations where a large proportion of adult populations are vaccinated and/or infection rates have significantly declined.

Ethically too, phase III trials with placebo control groups may not be justifiable any more, given that efficacious vaccines are already in use.

### Hopes & challenges

The next generation of Covid vaccines could address the issues of stability at higher temperatures for easy transportation and storage, a real concern in poor countries.

Large-scale immunisation through the injection route has always been complex and at least partly contributes to vaccine hesitancy. To avoid the needle and deliver vaccines through nasal or oral routes will also be an attractive target. Several non-injectable Covid vaccines are under development, including in India.

Perhaps the most exciting development in the new vaccine arena is the recent phase III trial results of the protein-based vaccine of Novavax, which has shown an efficacy of 91.4%. Importantly, these trials were conducted at a time

when several virus variants had already emerged. However, the US regulator is yet to approve its emergency use.

Another protein-based vaccine being developed by Biological E in India, in collaboration with Baylor College of Medicine, US, has shown excellent safety and efficacy results in human trials conducted so far. Such protein-based vaccines will undoubtedly be major game-changers since they are not only safe, time tested, and highly efficacious, but also easy to produce, stable at higher temperatures, and generally very cost-effective.

But the lower-than-expected efficacy of

### THE EXPERT

**VIRANDER S CHAUHAN** is a former chairman of UGC and a former director of the International Centre for Genetic Engineering and Biotechnology. He is best known for his efforts towards developing a vaccine for malaria.

## When a silver disappoints but a bronze thrills

ATIKH RASHID  
PUNE, AUGUST 8

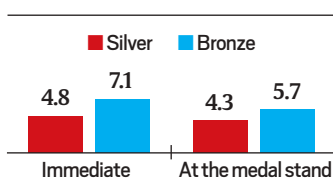
IN AN interview almost 70 years after he won a silver medal at the Stockholm Olympics of 1912, American runner Abel Kiviat described the 1,500m race as a "nightmare". "That race was the biggest disappointment of my life. I never saw Jackson," said Kiviat, who died in 1991. He was referring to Britain's Arnold Jackson, who had defeated him by just 0.1 seconds.

In the 2020 Olympics just ended, Indian wrestler Ravi Kumar Dahiya voiced similar disappointment after winning silver in the 57 kg freestyle category. "I had come here with only one target, a gold medal. This (silver medal) is okay, but it's not gold," he told reporters.

### Their emotions, on scale

In a 1995 paper in *The Journal of Personality*

### MEAN HAPPINESS RATINGS



In a 1995 study, bronze winners fared better than silver winners on a happiness scale. Medevac et al

and *Social Psychology*, psychologists Victoria Medvec, Thomas Gilovich and Scott F Madey examined why silver medalists may be feeling the way they do. They concluded that silver medalists fare poorly on a happiness scale because of the human tendency to indulge in

'counterfactual thinking' — to think of alternative circumstances to real-life events.

Bronze medalists score better than the silver medalists who had outperformed them.

"We were interested in whether the effects of different counterfactual comparisons are sufficiently strong to cause people who are objectively worse off to sometimes feel better than those in a superior state," Medvec and his colleagues wrote in the paper.

The researchers collated video footage from the 1992 Olympics and edited them in three master tapes, showing the medalists' reaction immediately after the results, while receiving the medals, and during interviews they gave about their performance.

In one part of the study, university students unaware of the results were asked to rate, on a 10-point "agony to ecstasy" scale, the immediate reactions of 41 athletes, and their reactions on the medal stand (see

*graphic*). In a second part, the participants reviewed television interviews of 22 silver and bronze medalists and rate their expressed feelings on a 10-point scale.

"To the silver medalist, the most vivid counterfactual thoughts are often focused on nearly winning the gold," the researchers explained. "... For the bronze medalist, in contrast, the most compelling counterfactual alternative is often coming in fourth place and being in the showers instead of on the medal stand."

### Similar findings

Three other researchers, who repeated the experiment in the 2016 Olympics, reconfirmed that counterfactual thoughts were higher among silver medalists than bronze winners. They found, however, that the differences in the expressed emotions were trivial or negligible.

## How Apple will scan for child exploitation images on its devices

NANDAGOPAL RAJAN  
NEW DELHI, AUGUST 8

APPLE HAS announced that software updates later this year will bring new features that will "help protect children from predators who use communication tools to recruit and exploit them, and limit the spread of Child Sexual Abuse Material (CSAM)".

Expected to go live in the US initially, the features include use of new technology to limit the spread of CSAM online, especially via the Apple platform. There will be on-device protection for children from sending or receiving sensitive content, with mechanisms to alert parents if the user is below age 13. Apple will also intervene when Siri or Search is used to look up CSAM-related topics.

### What is the tech Apple is using?

In a blog post, Apple said it will use cryp-

tography applications via iOS and iPadOS to match known CSAM images stored on iCloud Photo. The technology will match images on a user's iCloud with these known images, provided by child safety organisations. And this is done without actually seeing the image, and only by looking for what is like a fingerprint match. If there are matches crossing a threshold, Apple will "report these instances to the National Center for Missing and Exploited Children (NCMEC)".

Apple clarified that its technology keeps user privacy in mind, and hence the database is transformed into "an unreadable set of hashes that is securely stored on users' devices". The technology will determine a match without revealing the result.

At this point, the device creates a "cryptographic safety voucher" with the match result and additional encrypted data, and saves it to iClouds with the image. Threshold

secret sharing technology ensures that these vouchers cannot be interpreted by Apple unless the iCloud Photos account crosses a threshold of known CSAM content. This threshold, the blog claimed, has been put in place to "provide an extremely high level of accuracy and ensures less than a one in one trillion chance per year of incorrectly flagging a given account". So a single image is unlikely to trigger an alert.

But if the threshold is exceeded, Apple can interpret the contents of the safety vouchers and manually review each report for a match, disable the user's account, and send a report to NCMEC. Apple said users will be able to appeal if they think they have been wrongly flagged.

### How do the other features work?

Apple's new communication safety for Messages will blur a sensitive image and warn a child about the nature of the con-

tent. If enabled from the backend, the child could also be told that their parents have been alerted about the message they have viewed. The same will apply if the child decides to send a sensitive message. Apple said Messages will use "on-device machine learning to analyse image attachments and determine if a photo is sexually explicit" and that Apple will not get access to the messages. The feature will come as an update on accounts set up as families in iCloud for latest operating system versions.

Also, with the update, when a user tries to look up potential CSAM topics, Siri and Search will explain why this could be harmful and problematic. Users will also get guidance on how to file a report on child exploitation if they ask for it.

### Why is Apple doing this, and what are the concerns being raised?

Big tech companies have for years been

under pressure to crack down on the use of their platforms for exploitation of children. Many reports have over the years underlined how enough was not being done to stop technology from making CSAM content available more widely.

However, Apple's announcement has been met with criticism, with many underlining how this is exactly the kind of surveillance technology many governments would want to have and love to misuse.

Also, cryptography experts like Matthew Green of Johns Hopkins University have expressed fears that the system could be used to frame innocent people by sending them images intended to trigger the matches for CSAM. "Researchers have been able to do this pretty easily," he told NPR, adding that it is possible to fool such algorithms.

But *The New York Times* quoted Apple's chief privacy officer Erik Neuenschwander as

saying these features will not mean anything different for regular users. "If you're storing a collection of CSAM material, yes, this is bad for you," he told the publication.

### Do other big tech companies have similar technologies?

Yes. Microsoft, Google and Facebook have been alerting law enforcement agencies about CSAM images. Apple has been lagging behind because any such technology would have gone against its much-touted commitment to user privacy. As a result, in 2020, when Facebook reported 20.3 million CSAM violations to the NCMEC, Apple could report only 265 cases, *The New York Times* reported.

It is only now that it has been able to find the technology sweet spot to do this without impacting regular users, or at least spooking them. However, as the initial backlash has shown, it is still a tightrope walk.





The IndianEXPRESS

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RAMNATH GOENKA

BECAUSE THE TRUTH INVOLVES US ALL

## THE RISING FLAME

Tokyo 2021 busts many myths about Indian sports, points to the country's emergence as a sporting nation

AUGUST 7, 2021, Tokyo would be as much of a watershed moment for Indian Olympics sports lore as June 25, 1983, Lord's was for cricket. In its magnitude and potential influence, Neeraj Chopra's Olympic gold-medal-winning feat has only one parallel in the country's sporting heritage, the World Cup victory 38 years ago, a moment that changed India's sporting sensibilities. In a similar way, Chopra's accomplishment could alter perceptions of how Indians perceive athletes. This is a myth-busting gold medal, a testimony that Indian, or even Asian, athletes can not only match their European adversaries but also beat them, provided they get access to world-class facilities, top-draw coaching and unfettered support of the sporting fraternity. The unscientific assumption about Indians having inferior athletic DNA, something that undermines their medal-winning chances on the global stage, was hurled out the window and it landed 87.58 metres far. Chopra's gold would not only draw a clear route-map to global success but also banish the inferiority complex that Indian athletes carry to elite events. Athletics now has the momentum to jump in the sand pit of global competition and wrestle with the best.

Though India improved the London count by just one medal, the significance of that one medal cannot be overstated enough. Each of the medals they won was a statement of India's incremental rise as a sporting nation. It is foolhardy to expect India to match the US or China overnight, but the trajectory of the graph is constantly moving upwards. That those medals came in various streams is a further reason for optimism. In badminton and wrestling, it's time India is considered among the powerhouses; in weightlifting, there is a generational talent in Mirabai Chanu; in boxing, there is finally someone to look beyond Mary Kom. The revival of men's hockey would not have been better timed, the often-ignored women's hockey too blazed in promise. Shooting was an aberration — expect many of those who left in tears to bounce back stronger and hungrier. Overall, the Tokyo Games could leave a long-lasting influence on Indian sports.

The Olympics itself would be remembered as a metaphor of hope in the Covid-altered world. There were fears that the event would emerge as a super-spreader of the virus, it would see a stoppage and the competition wouldn't be top-notch. It has answered negatively to each of those doubts. With no runaway leader on the medals tally — just one gold separated the US and China — this was the most closely fought Games in recent times. Tokyo showed that with coaches seamlessly crossing borders and sporting knowhow spreading, the Olympic world was flattening. Top German coaches sitting in Chopra's corner as he left his Dresden-born arch-rival, Johannes Vetter, far behind was a frame that best captured the levelling of the playing field.

## STANDING WITH KABUL

UNSC meet exposes duplicity of Taliban and Pakistan, who talk peace and pursue war at the same time

A SPECIAL MEETING of the United Nations Security Council on Afghanistan convened under India's presidency last Friday, did not produce a new international consensus on arresting the tragedy triggered by Taliban's military offensive with the full support of the Pakistan army. On Afghanistan, there is no unanimity among the five permanent members, which is critical for any consequential decisions by the world body. An ambitious China seeking to extend its regional footprint, and an opportunistic Russia that tags behind Beijing seem to support Pakistan's game plan to reinstall the Taliban in Kabul. Given its special ties to the Pakistan army, London tends to be wobbly on the Taliban. The US, which spent much blood and treasure in rebuilding Afghanistan after ousting the Taliban from power in 2001, has ceded much ground by deciding to withdraw all its troops in Afghanistan by the end of this month. In Europe (represented by France which has a permanent seat in the UNSC) too there is a decline in political support for a continued Western military intervention in Afghanistan.

Although the UNSC discussion may not have moved the political needle on Afghanistan, it has laid bare the depth of the crisis there and the duplicity of the Taliban and Pakistan that talk peace and pursue war at the same time. Addressing the UNSC, the head of the United Nations Assistance Mission in Afghanistan, Deborah Lyons, pointed to the "dangerous turning point," in the nation. "Ahead lies", she added, "either a genuine peace negotiation or a tragically intertwined set of crises: An increasingly brutal conflict combined with an acute humanitarian situation and multiplying human rights abuses." That the Taliban could not have mounted the massive military operations on its own was the burden of the presentation by the Afghan envoy to the United Nations, Ghulam M Isaczai. He told the Council that more than 10,000 foreign fighters are in the country, including from a number of UN designated terror organisations, participating in the Taliban's military offensive. He also pointed to long-standing Taliban sanctuaries in Pakistan and Rawalpindi's massive logistical support for the Taliban's current military offensive in Afghanistan.

Although the world was optimistic about the peace talks in Doha ending the prolonged conflict in Afghanistan, the Taliban and Pakistan have merely used them to delay negotiations on devising a new political order in Afghanistan while stepping up their violent campaign to overthrow the legitimate government in Kabul. India must continue to stand with the people of Afghanistan, whose dreams for a peaceful future are being shattered. Delhi must continue to mobilise international opinion in all global forums as well as work with its close partners to mount pressure on Pakistan and the Taliban to stop fighting and start talking peace with Kabul.

FREEZE FRAME



E P UNNY



SANJOY HAZARIKA

THE INITIAL STEPS have been taken in calming the roiling waters on the Assam-Mizoram border confrontation. First, the FIRs and cases which were filed against each other's leaders — involving both Assam Chief Minister Himanta Biswa Sarma and K Vanlalvena, Mizo National Front (MNF) MP — have been withdrawn. Cases against officials from both states have been dropped. While these should not have been initiated in the first place, stepping back in this manner is a good way to reduce the political and emotive temperatures, which were soaring on both sides.

A sharp war of words and aggressive social media posts on either side did not help. Indeed, an outsider may be excused, if after listening to, watching or reading the passionate, angry and even, in some cases, inflammatory remarks by either side, for being perplexed by these declarations — were they, s/he may well have wondered, by citizens of neighbouring states or opposing nations. Some have added fuel to the fire by casting aspersions on the citizenry of their brethren on the disputed border or referring inappropriately to a part of their own state. These need be seen in the background of the extensive suffering faced by the region as a result of misunderstanding and ill will.

Second, the Assam chief minister's decision to send two ministerial emissaries from Assam to Aizawl is a good gesture to open dialogue and appears to have paid off initially. Both states have agreed to the deployment of neutral Central forces at the disputed stretches of the interstate border. Atul Bora, one of the ministers sent to Aizawl is from the Asom Gana Parishad (AGP) in the BJP-led coalition, and also party president. The significance of an AGP leader in the peace mission should not be underestimated. The AGP led a regional coalition in the 1980s and 1990s in the Northeast that emerged as an anti-Congress front. The MNF had been part of this process and has had good relations with the AGP from that time.

Part of the confidence-building measures

Goodwill amongst Assam, Mizoram, all Northeast states, holds key to Act East Policy

Communities at the border, stakeholders such as business leaders and transporters as well as civil society need to be involved in conversations and dialogue for sustainable settlements. Political leaders must set the pace and provide the platform. However, since both sides use different yardsticks of history and geography to negotiate, it is difficult to visualise a situation where either side will emerge as a clear winner. There will have to be give and take, count net gains against losses.

has been the welcome withdrawal of the Assam government's travel advisory which asked people not to travel to Mizoram and urged people from the state working or staying there to "exercise utmost caution".

There is a third element that has become a seemingly endemic part of political confrontation between states. These are the blockades that have closed roads and highways in Assam leading to Mizoram — and in the past few days to Tripura. This has happened repeatedly in confrontations between different states in the region such as Nagaland and Manipur and last year between Assam and Mizoram.

These crackling tensions go far beyond interstate border disputes and have regional, national and international repercussions. For one, they have adverse economic impacts which are felt most sharply at the local level, leading to a rise in prices and shortage of commodities. This is a time when Covid-19 cases continue to rise in all the states of the region, including Mizoram and Assam, and essential supplies cannot be blocked by public agitations.

The economic fallouts of such actions are felt down the entire supply chain, from producer to transporter and receiving customers/markets. National highways are the direct responsibility of the Centre and it must ensure that these economic veins remain clear for passenger and freight traffic.

In addition, images, especially of violence and confrontation, go "viral" without delay. They move from mobile to mobile, over social platforms, one group to the other, leaping across boundaries of state and nation. Among those who look at them are potential investors and policymakers, not just in Delhi but other state and national capitals. The adverse impacts of these can be considerable.

For decades, we must remember, the public image of the Northeast was shaped by conflict and confrontation, bandhs and violence. It had been shedding that image slowly and steadily, facing many hurdles, ag-

itations and risks. Sustainable peace continues to be elusive although flawed insurgencies have failed and fallen. There are new challenges such as border divides and sharpening sectarian tensions. Economic growth is visible as are continuing concerns. Lakhs of young people from the region, despite discrimination and pressures, have moved and made their lives in other parts of the country, engaging with the idea of India, before, during and after the waves of the pandemic.

That is why communities at the border, stakeholders such as business leaders and transporters as well as civil society need to be involved in conversations and dialogue for sustainable settlements. Political leaders must set the pace and provide the platform. However, since both sides use different yardsticks of history and geography to negotiate, it is difficult to visualise a situation where either side will emerge as a clear winner. There will have to be give and take, count net gains against losses. That is the practical side which politicians are best equipped to deliver. Herein lies the importance of the concept of a Development Corridor on the border that would have to be agreed to by both sides and guaranteed by the Centre. This could build on the natural advantages of the bordering states — vegetable, meat and fruit processing, handicrafts and designer handlooms to name just five — and create jobs, livelihoods and better incomes for people on the border and beyond, building an equitable supply chain.

A fundamental point needs to be underscored: The visionary Act East Policy and its predecessor Look East Policy rest on the pillars of peace and trust, not just better roads and physical infrastructure. They depend on good relationships between neighbours which enable economic cooperation, transport and trade not just cultural and social collaboration.

The writer is director, Centre for North East Studies and Policy Research, Jamia Millia Islamia



M P NATHANAEL

THE DEATH OF a fruit stall owner, 47-year-old A Murugesan, allegedly as a result of a brutal thrashing by a special sub-inspector of Tamil Nadu police in Vazhapadi in Salem district on June 22, has revived memories of Bennis and his father Jayaraj who died in custody last year in June in Thoothukudi. While two other policemen stood watching the gory scene, Murugesan's friends pleaded for him to be spared but to no avail.

An army man Resham Singh was brutally tortured while his mother and two sisters in Pilibhit, UP, were humiliated on May 3, drawing the Allahabad High Court's ire. Two sub-inspectors and six constables were booked, and the station house officer sent to lines. Singh's medical report confirmed injuries due to brutal torture.

On May 21, an 18-year-old vegetable vendor Faisal Hussain was allegedly beaten to death in Bangarmau police station in UP's Unnao district for violation of Covid-19 directives. Though the market in the town was open, Hussain was beaten up and taken to a police station from where he was shifted to a hospital. He was declared dead on arrival. The post-mortem report attributed his death to head injuries. Two police constables and a home guard have been charged with murder.

Custodial deaths in police stations, even in jails, seem to be commonplace these days.

Union Home Minister Amit Shah, while speaking at the inauguration of the Centre of Excellence for Research and Analysis of Narcotics and Psychotropic Substances of the

## ENDING POLICE BRUTALITY

Prompt action against errant personnel is a must to stop custodial torture

It's up to senior officers to ensure that prompt actions are initiated against policemen who resort to brutal torture. When erring personnel are promptly punished, the message goes out loud and clear to other rogue policemen that the law will catch up with them. In the case of custodial deaths, those guilty should be tried for murder.

National Forensic Sciences University in Ahmedabad on July 12, said that the police in our country are accused of either "No Action" or "Extreme Action". He has hit the nail right on the head. Victims of crime shudder at the thought of having to visit a police station. More so if one happens to be from a marginalised section of society.

According to the National Crime Records Bureau (NCRB) data, 100 cases of custodial deaths were reported in 2017, 42 of which were in police custody. Thirty-three policemen were arrested while 27 were charge-sheeted. Forty-eight police personnel were charge-sheeted and three convicted in cases of human rights violation. Overall, 2,005 cases were registered against police personnel, 1,000 of whom were charge-sheeted. With 456 cases, Maharashtra topped the list, while Gujarat and Rajasthan followed with 191 and 169 cases, respectively; 128 personnel were convicted.

According to the NCRB's 2019 figures, 85 cases of custodial deaths were reported in the year with Tamil Nadu registering the highest number of cases followed by Gujarat, Punjab and Rajasthan and Odisha. No policeman was convicted, though 14 personnel of Gujarat were arrested, and charge-sheeted. For six custodial deaths in Rajasthan, three magisterial inquiries and two judicial inquiries were initiated against erring policemen.

In a written reply in the Lok Sabha, the former Minister of State for Home Affairs G Kishan Reddy stated that 1,697 custodial

deaths were registered between April 2019 and March 2020, of which 1,584 deaths were in judicial custody while the rest (113) were in police custody. Uttar Pradesh topped the list with 400 custodial deaths followed by Madhya Pradesh (143). This meant that about five custodial deaths took place every day in our country. But on August 3, Minister of State for Home Affairs Nityanand Rai stated in the Lok Sabha that 348 custodial deaths and 1,189 cases of torture by police were reported across the country in the last three years.

While several policemen do get convicted, there are good reasons to believe that many go scot free — by manipulating records, intimidating complainants or political patronage. It's up to senior officers to ensure that prompt actions are initiated against policemen who resort to brutal torture. When erring personnel are promptly punished, the message goes out loud and clear to other rogue policemen that the law will catch up with them. In the case of custodial deaths, those guilty should be tried for murder.

Police personnel who remain spectators when people in custody are being tortured are also complicit in the crime. Sub divisional police officers and superintendents of police should be held accountable for the impropriety committed by those under their supervision.

The writer is a retired Inspector General of Police, CRPF



## AUGUST 9, 1981, FORTY YEARS AGO

### CABINET RESHUFFLE

PRIME MINISTER INDIRA Gandhi carried out a minor reshuffle of her cabinet on August 8. Narayan Dutt Tiwari has been shifted from the Planning Ministry to the Industries Ministries. S B Chavan has been moved from the Education Ministry to planning. The Minister of State for Industry, Charanjit Chanaana, who has been looking after the industry ever since Indira Gandhi returned to power will continue in his position with Tiwari heading the ministry. Tiwari will continue to hold the temporary charge of the labour portfolio. The PM is yet to announce the name of the new education minister. She has asked Shiela Kaul, minister of state for education and culture, to take temporary charge of the ministry.

Mrs Gandhi is said to be looking for talent outside the parliamentary party but the search is yet to bear fruit.

### AMU EXPULSIONS

THE VICE-CHANCELLOR OF the Aligarh Muslim University, Uttar Pradesh, Saiyid Hamid, has rusticated Irfanullah Khan, president of the dissolved union of the university and convener of the Students Action Committee for a period of five years. Fifteen other students were also rusticated for a period ranging from two to five years for what the university called, "acts of indiscipline". Nine student leaders were expelled last month for a period of one to three years.

### DACOITS STRIKE IN UP

NINE POLICE PERSONNEL and three villagers lost their lives in an encounter with dacoits in Uttar Pradesh's Etah district. The dacoits, who are reported to have numbered approximately 45, were from the gangs of Chabiram Yadav, Poti Yadav and Anar Singh Yadav.

### LOANS WRITTEN OFF

THE UNION GOVERNMENT has taken a decision not to recover about Rs 1,412 crore given to states as assistance between 1977-78 and 1978-79 for coping with natural calamities. It has proposed to treat this amount as an additional assistance for these years.



# THE IDEAS PAGE

## Engineering a crisis

Constant tampering of curricula without giving students knowledge of the basics, a deficit in industry-instruction link continue to be the bane of country's technical education



SS MANTHA AND  
ASHOK THAKUR

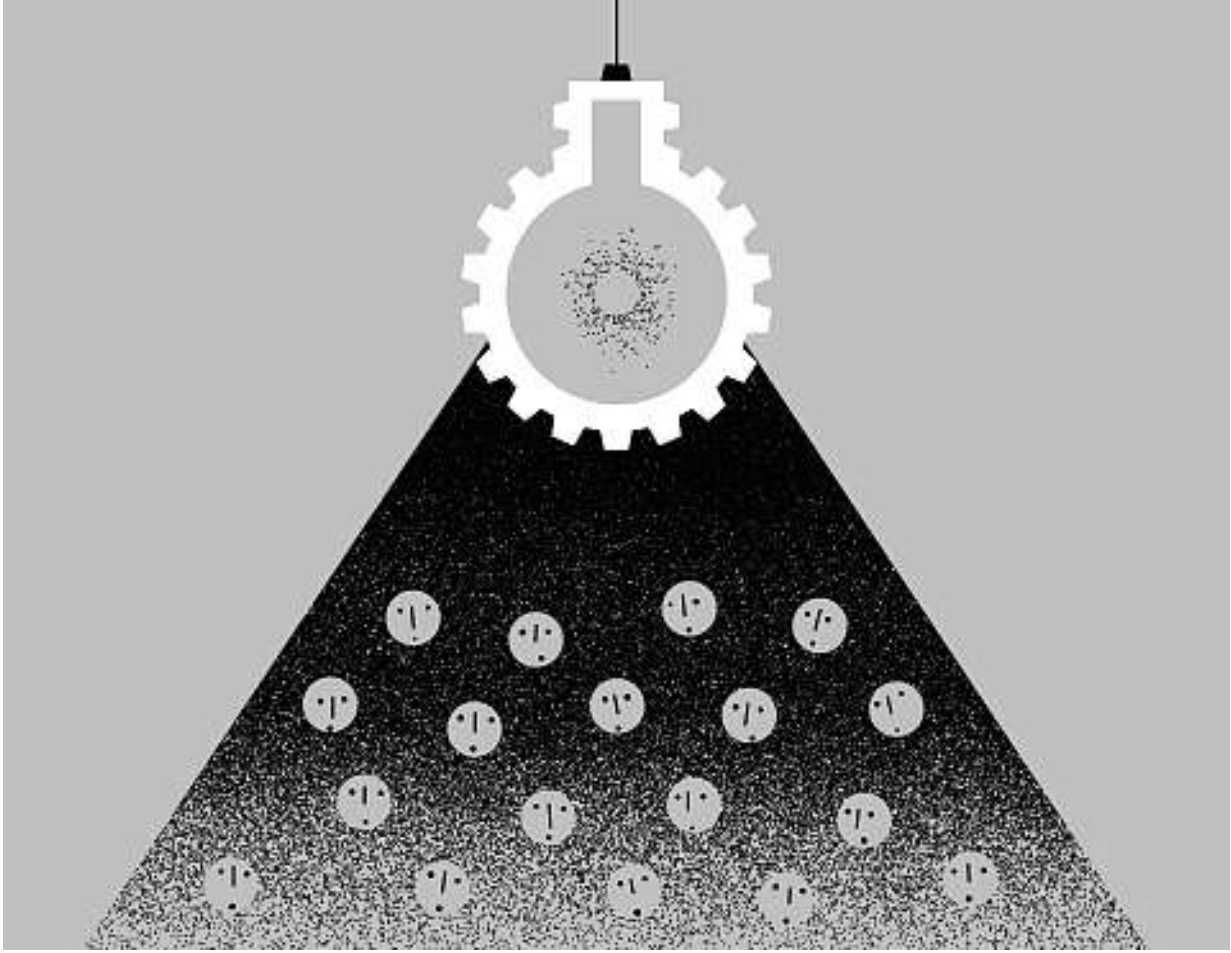
ENGINEERING IS AN applied science and therefore its pursuit preconditions a sound knowledge of its civil, mechanical and electrical branches, these being its building blocks. Offshoots like metallurgy and chemical engineering have sprung up from mechanical engineering and a host of other branches like electronics, communications, computer science and IT grew from the electrical branch of engineering. A common thread that bound these specialisations was a sound engineering base rooted in materials, applied physics and thermodynamics.

Private entrepreneurs took the lead to meet the growing demand of the country in technical education in the mid-Eighties, but with little idea of the subject. As a result, the faculty of these institutions drove the agenda of their management – and sometimes their own. When the management's agenda entered academic bodies of various universities, the first casualty was the curriculum. Important courses such as those mentioned above were the first to be jettisoned since they were both tough to teach for the teachers and tough to pass for the students. Subjects like materials, applied physics and thermodynamics became dispensable. Several universities merrily revised their curriculum at the expense of these courses.

This softening of subjects coupled with unfettered expansion in the early and mid-2000s, though it ensured that everyone who aspired to technical education could find a seat commensurate with his/her abilities, resulted in real dilution of the overall standards in the country. At its peak in 2014-15, AICTE-approved institutes had almost 35 lakh seats, mainly due to the increased employment opportunities in the country. However, a series of reports by this paper in December 2017 revealed no takers for at least 51 per cent of the 15.5 lakh seats in 3,291 undergraduate engineering colleges in 2016-17. These reports laid bare the regulatory gaps, poor infrastructure, lack of qualified faculty and the non-existent industry linkage that contributed to the abysmal employability of graduates from most of these institutes.

Some consolidation is bound to happen in every expanding system, but that also calls for intelligent interventions to connect with the available employment opportunities if the fruits of expansion are to be enjoyed. Since 2015-16, at least 50 colleges have closed each year and this year, AICTE approved the closure of 63 institutes. However, 54 new colleges were approved for the academic year, 2021-22 in backward districts. Similar statistics rule every year. Did anyone also study the available employment opportunities in those districts before approving them? When political and economic reasons override the establishment of new entities, why discuss declining standards? Several such decisions only contributed to the cumulative deterioration of standards overall.

Not a single industry body, be it CII, FICCI or ASSOCHAM has managed to effectively



C R Sasikumar

inform the education planners on the growth in different employment sectors. Nor has the government taken any tangible steps to set up an independent body to advise AICTE on this vital aspect. In the absence of any credible information on demand side numbers, investments made by institutions will only be based on perception. Yesterday, it was IT and its applications that propelled a growth in IT and Computer Science courses. Today, it is automation. Be it RPA, AI, ML, blockchain, hard robotics or IOT, the thrust is on complete automation. What happens when these areas get saturated? Several jobs have already disappeared with the base of the pyramid having shrunk considerably.

Lack of adequate number of teachers, lack of quality in those available, inability of the management to make adequate investments in a dynamic environment, lack of employment opportunities, shelf life of skills coming down with every technology-related intervention and a constant experimentation with curriculum have all been the bane of quality in technical education. Rather than being reactive, institutions must proactively define the practicing elements of education. The corrective measures for these shortfalls are technology intensive, are experiential, and need investments in teaching. Colleges are unwilling or not in a position to make those investments resulting in serious decline in quality.

Not all experiments are worth doing though. A constant fiddling with the curriculum, reducing total credits, giving multiple choices in the name of flexibility, dispensing with mathematics and physics at the qualification level, teaching in local languages may all be good arguments, but one must assess their utility and their effect on technical education in the long run. An IT-heavy curriculum in every specialisation is not called for.

Not a single industry body, be it CII, FICCI or ASSOCHAM has managed to effectively inform the education planners on the growth in different employment sectors. Nor has the government taken any tangible steps to set up an independent body to advise AICTE on this vital aspect. In the absence of any credible information on demand side numbers, investments made by institutions will only be based on perception. Yesterday, it was IT and its applications that propelled a growth in IT and Computer Science courses. Today, it is automation.

Reducing total credits has not only reduced the rigour of engineering education, but also meant loss in jobs for several faculty streams. National pride may be non-negotiable, but then will teaching in Marathi or Tamil increase employment opportunities besides causing several pedagogy and copyright-related issues? Is there a national report available on this? Over a period of time, such experiments tend to reduce interest levels in technical education itself.

The ultimate measure of performance is embedded in quality assurance. Various rating and ranking agencies insist that programme and course outcomes are paramount for quality. The larger question, however, is if these can be measured in the spirit in which they are written and if the gap in performance can be used to improve the system akin to a closed loop control system? What if the guaranteed outcomes are not realised? Can the stakeholders sue the administrators on reneging on promises? The need of the hour is to create a truly autonomous quality assurance body at an arms-length from the government, manned by eminent persons both from industry as well as academia.

The education paradigm is staring at a large shift, due to the pressures of a large growing and young population, the exponentially increasing cost of education and the need to reach the unreached with quality, which is being fast forwarded by Covid-19. That being said, Steve Jobs' words of 2005 ring true – "You can't connect the dots looking forward; you can only connect them looking backwards. So, you have to trust that the dots will somehow connect in your future." Will we be able to connect ours?

Mantha is Former Chairman AICTE and Thakur Former Secretary Gol, MHRD

## WHAT THE OTHERS SAY

"There have been times when it seemed Olympic sport would go the way of other sports, and be more about cynicism than grace, contracts than courage. Even in the absence of crowds, however, there have been plenty of moments in these Games that have shown the original flame still flickers." — **OBSERVER**

## The job gap

Decline in unemployment rate is based on a statistical approach that masks the deterioration in quality of employment on the ground



RADHICKA KAPOOR

A QUICK LOOK at the recently released Periodic Labour Force Survey (PLFS) reveals a decline in the unemployment rate from 5.8 per cent in 2018-19 to 4.8 per cent in 2019-20. This fall in the unemployment rate from the 45 year high of 6.1 per cent as reported in the first PLFS (2017-18) is indeed a respite. However, these statistics need to be interpreted with caution. They are based on the "usual status" approach wherein the activity status of a person is captured for a reference period of 365 days preceding the date of survey. Those who are reported as unemployed by this approach are those who are chronically unemployed. In developing countries, where casual and intermittent work and part-time and temporary jobs are widespread, employment estimates based on this approach tend to include the under-employed workforce. Consequently, unemployment rates derived from the usual status approach give a misleading picture of the extent of labour underutilisation and the employment challenge faced by the economy. In PLFS (2019-20), we observe that the unemployment rate based on the weekly status (which corresponds to the activity status of a person for a reference week) is not only higher than the usual status measure, but has also remained unchanged at 8.8 per cent compared to 2018-19. The divergence in these statistics only reinforces the need for anchoring the policy discourse in India on weekly status measures and not the usual status measures.

Significantly, even beyond the issue of using the weekly status measures, the lower unemployment rate (based on usual status approach) appears to be a consequence of economic distress and lack of gainful employment opportunities which have pushed jobseekers into low productivity and low paying work, thereby intensifying the challenge of under-employment.

To begin with, an examination of the composition of the workforce by employment type shows that the share of self-employment in total employment has increased to 53.5 per cent, up from 52.1 per cent as reported in the previous two PLFS rounds (2017-18 and 2018-19). Self-employed workers comprise three broad categories – own-account workers (those who run their enterprise without hiring any labour); employers (those who run their enterprise by hiring labour) and unpaid family workers/helpers in household enterprises. The third group comprises those who are engaged in their household enterprises, working full or part time, but do not receive any regular salary or wages in return for the work performed. It is this latter category, considered as poor quality employment, that has witnessed an increase in its share in total employment from 13.3 per cent (2018-19) to 15.9 per cent (2019-20) and contributed to the falling unemployment rate. The increase in this category of workers is reflective of rising underemployment. As the number of members working

in household enterprises rises, each worker simply works for less time than before and a large section of the workforce is underemployed. The share of the other two categories of self-employed workers, that is, own account workers and employers has declined. The share of regular salaried workers, which had been steadily rising in India until the PLFS 2018-19 and is considered as a more stable and secure form of employment, is now showing a decline. Significantly, even amongst regular salaried workers, those who are not eligible for any social security benefits has increased from 51.9 per cent to 54.2 per cent suggesting that formalisation would have been adversely impacted.

Interestingly a sectoral breakdown of the workforce shows that the share of the workforce engaged in agriculture has risen to 45.6 per cent (2019-20) from 42.5 per cent (2018-19). This increase is significant as it is the first time that the share of agriculture in total employment (in percentage terms) has increased since the NSS surveys started. This is indicative of a stalled structural transformation process, one which had picked up pace after 2004-05 with both the share and absolute numbers of workers engaged in agriculture declining with a concomitant rise in the non-agricultural sector. However, as non-agricultural sectors have failed to create jobs at a rapid pace in recent times, many jobseekers have been pushed back into the agricultural sector resulting in its emergence as an "employer of last resort".

Two trends that point to a deterioration in quality of employment merit attention vis-à-vis the sectoral composition. First, in the non-agriculture sector, the share of those engaged in informal enterprises increased from 68.4 per cent in 2018-19 to 69.5 per cent in 2019-20. Second, within the agricultural sector, much of the increase is coming through the category of unpaid family helpers. Their share in agricultural employment has increased (from 25.7 per cent to 29.7 per cent), while that of own account workers and employers has declined (48.4 per cent to 44.5 per cent) between the two rounds. Significantly, the share of rural women engaged in agriculture has increased substantially from 71.1 per cent (2018-19) to 75.7 per cent (2019-20) and these women are increasingly being employed in the category of unpaid family workers.

It is worth noting that India has been witnessing a rapid decline in female Labour Force Participation Rate (LFPR) since 2004-05. This trend has been partly attributed to the withdrawal of women from the workforce as a consequence of an "income effect" – an increase in their family's income. The PLFS 2019-20, however, shows a sharp increase in the female LFPR by 5.5 percentage points. Much of this is driven by the increased LFPR of rural women. This rise coupled with their increasing engagement as unpaid family workers (and not better forms of employment such as regular salaried work) appears to mark a reversal of the trend of reduction in distress participation of women in the workforce.

These metrics suggest that the decline in unemployment rate based on the usual status approach masks a deterioration in the quality of employment and rising underemployment, challenges which are only likely to have intensified post Covid.

The writer is a senior visiting fellow at ICRIR



ASOKE MUKERJI

## Securing the Indian Ocean

UNSC debate seeks to address maritime security peacefully, holistically

objective in the Indian Ocean.

The five pillars of SAGAR are: One, India's role as a net security provider in the Indian Ocean region (IOR). Two, active engagement with friendly countries in the IOR. India would continue to enhance the maritime security capacities and economic resilience of these countries. Three, developing a network to take effective collective action for advancing peace and security in the region. Four, a more integrated and cooperative focus on the future of the IOR, which would enhance the prospects for the sustainable development of all countries in the region. Five, the primary responsibility for peace, stability and prosperity in the IOR would be on those "who live in this region". India would continue its engagement with other nations having strong interests and stakes in this region through dialogue, visits, exercises, capacity building and economic partnership.

Sustaining international cooperation to enhance maritime security requires two supportive frameworks in the policy and operational areas. An effective legal policy framework must underpin a rule-of-law based approach to securing the maritime domain. The open debate will focus on the application of the 1982 UN Convention on the Law of the Sea (UNCLOS), bringing to the fore new challenges to peace and security including from non-state actors such as terrorists, pirates and criminal gangs engaged in drug trafficking.

The discussion can become the catalyst for reviewing the operational effectiveness of the UNCLOS, especially regarding the enforcement of its provisions on freedom of navigation, the sustainable exploitation of maritime resources, and the peaceful resolution of disputes. India's credentials in presiding over this discussion are enhanced by the fact that in July 2014, it accepted an UNCLOS tribunal award on the maritime boundary arbitration between India and Bangladesh, contributing a new impulse to effective international economic cooperation among the littoral states of the Bay of Bengal (BIMSTEC).

Securing the sea lanes of communication (SLOCs) that traverse the oceans is of central importance to enhancing maritime security. The debate must focus on ensuring equal and unrestricted access to SLOCs by states while resolving differences through peaceful means. In the Indian Ocean, three major SLOCs that play a crucial role in the energy security and economic prosperity of states include the SLOC connecting the Red Sea to the Indian Ocean through the Bab al-Mandab (that transports the bulk of Asia's international trade with its major trading partners in Europe and America), the SLOC connecting the Persian Gulf to the Indian Ocean through the Strait of Hormuz (transporting the bulk of energy exports to major import destinations like India, ASEAN, and East Asia), and

the SLOC connecting the Indian and Pacific Oceans through the Straits of Malacca (integral to the smooth flow of trade with ASEAN, East Asia, Russia's Far East and the US).

Sharing data on threats to commercial shipping is an important component of enhancing maritime security. India's initiative to establish an International Fusion Centre (IFC) for the Indian Ocean region in Gurugram in 2018, jointly administered by the Indian Navy and Indian Coast Guard, serves the objective of generating Maritime Domain Awareness on safety and security issues. It is projected that 40 international liaison officers from partner countries will eventually be located at the IFC.

The debate would illustrate the increasing role of the private sector in the maritime domain, whether it is in shipping, sustainable development through the Blue Economy, or using the maritime domain to provide the critical submarine fibre-optic cables supporting the Digital Economy. The ability of the UNSC to respond to the debate by endorsing a multiple stakeholder approach to enhancing maritime security would be a significant outcome, setting a paradigm for upholding "multi-dimensional" security in the 21st century.

The writer is a former ambassador and Permanent Representative of India to the United Nations in New York

## LETTERS TO THE EDITOR

### IMAGE DENTED

THIS REFERS TO the editorial, 'Better late' (IE, August 7). There's a saying that it is only the bad laws that receive unanimous support. This is true for the retrospective tax law. In its near-decade of existence, the law didn't just attract a bad rep for doing business in India but also for the hypocrisy of the political structure which, despite criticising the law back in 2014, made no efforts to rectify it. As per the ministry statement, the deal was not in consultation with Cairn, which leaves it as a wild card.

Udit Sarkar, Kolkata

THIS REFERS TO the editorial, 'Better late' (IE, August 7). The government's move to refund dues to Cairn is a correct one, even though it waited for an arbitration push to do so. Junking an unfair amendment of 2012 after nearly a decade exposes Centre's indecisiveness. This episode should be a case in point on how to avoid being caught napping by being proactive in resolving all pending, contentious matters. Else, investor friendly-promises shall remain as dubious as the sudden rise in our rankings in the ease of doing business.

Raja Bandopadhyaya, Vadodara

### SHAMEFUL ATTACK

THIS REFERS TO the report, 'Casteist abuse shameful, says women hockey team skipper' (IE, August 7). It is disheartening that in our country, people

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cannot come to terms following the drubbing of our team. Our women's hockey team has accomplished a exceptional feat and it is our moral duty to embolden and motivate them.

Aanya Singhal, Noida

## GREAT GAMES

THIS REFERS TO the report, '87.58m, a billion hearts, first athletics medal: Neeraj Chopra makes history' (IE, August 8). India's campaign at the Tokyo Olympics ended on a high on Saturday with Neeraj Chopra winning India's first-ever Gold medal in Athletics. The previous best medal haul came at the 2012 London Olympics.

SS Paul, Nadia



8

IDEA EXCHANGE

NEWSMAKERS IN THE NEWSROOM

MIRABAI CHANU, OLYMPICS SILVER MEDALLIST; COACH VIJAY SHARMA

“*Khushi ke maare neend nahin aati. We waited so many years for this... I feel one day I’ll also have a record lift*”

Chanu talks about putting the heartbreak of Rio behind, missing her mother, and retaining composure in the face of pressure; coach Vijay Kumar explains the determination and discipline which lie at the heart of his 26-year-old ward’s success. The session was moderated by Senior Assistant Editor Shivani Naik

**SHIVANI NAIK: Which was more stressful — the snatch of 87 kg or the clean & jerk of 115 kg?**

**Mirabai:** The last snatch was the most tense because technique-wise, I fell a little short. I gave my best and tried, but I fell a bit short.

**SHIVANI NAIK: Coach Sharma, what was going through your mind at the time?**

**Vijay Sharma:** Definitely during each lift, the blood pressure shoots up, but after the first lift you can relax a little. This time, I was feeling a lot more pressure thinking about Rio. Even though we had some great performances after that, psychologically, there is always the feeling that this is the Olympics, hope nothing goes wrong. That was the idea behind the 84, 87 kg starts, to take it safe and secure a medal. When the snatch finished, we relaxed a little thinking, ‘Yes, we are in the competition now. *Kar lenge* (‘We’ll do it)’.

**NIHAL KOSHIE: Mira, after the Rio Olympics, did you discuss your future with your mother? How big an influence is she?**

**Mirabai:** She has been my pillar. She likes sports, and the family has dreamt of me becoming a sportswoman one day. In earlier days, there were problems with getting a good diet. My mother tried, she went all out. She told me, ‘Don’t look back, whatever comes, we are there to support you’. She once said I can’t feed you properly but I will try my best to take you to the top. If I had a bad day, or didn’t have a good day, she would come to know from my voice. She knows when I’m sad or not feeling well. I would lie many times but she would come to know. She used to motivate me regularly, that ‘If today is your bad day, keep working hard, tomorrow will be your good day’.

**NIHAL KOSHIE: How crucial was her support after Rio?**

**Mirabai:** Just after my competition got over in Rio, I called my mother and couldn’t control my weeping. I told her I could not win a medal despite training so much. I knew somewhere she was also disheartened. She told me, ‘When you come back, we will talk about it’. I asked her what more I needed to do. I even thought maybe I should give up weightlifting. Later, I asked her if I should do so. She said winning and losing are part of sports, that whatever happened has happened, it’s past now, that I should try to plan my future, think of how much more hard work I can do. Later, I realised that I can do a lot, I can plan something. ‘Whatever happened has happened...’ it was great motivation from my mother.

**SHIVANI NAIK: What did your coach tell you post Rio?**

**Mirabai:** After Rio, I was clueless. I had done all the hard work but failed. I didn’t know what to change. I used to ask him what more I needed to do. Where was I going wrong? Coach made me understand, he changed my style of training, he changed my technique. After I changed my technique, my coach said, I can go ahead in my game and in the next Olympics I will surely win a medal. He motivated me a lot.

**DEVENDRA PANDEY: Coach Sharma, one year after the Rio Games, Mirabai became the world champion. What changed in that one year?**

**Vijay Sharma:** The Rio 2016 setback was a very bad time for us. But two months later, we were back in proper training. Mira took a couple of months to mentally and physically regain her form. Her mother’s role in that period was instrumental. I too was there for her at that time. We discussed training — what to do, what not to do, how to go about it, what all was there to achieve. But all of it was possible because of how determined Mira is — if she wants to achieve something, she will absolutely achieve it.

**DEVENDRA PANDEY: What was the thinking behind the entry list total weight of 210 kg (at the Olympics)?**

**Vijay Sharma:** There are some psychological aspects to the game that a coach must consider. Mira had a problem physically before the event and the declaration of weight was tactical.

**SRIRAM VEERA: Mira developed menstrual cramps the day before the event. How did you guys handle it?**

**Vijay Sharma:** It’s a coach’s duty to keep tab of everything, from small to big. That is why bonding is so important. We



WHY  
MIRABAI CHANU,  
VIJAY SHARMA

Never before Tokyo has India enjoyed such a confident start to the Olympics, with Mirabai Chanu winning silver in 49-kg weightlifting, with a total lift of 202 kg, on Day 1. Thus, helped by her coach of seven years, Vijay Sharma, the Manipuri superstar erased the memories of Rio, where she had struggled to make a single lift

need to know what’s happening in her body and we can speak about these things only when the relationship is completely open and we trust each other.

With Mira, let’s put it this way: if not A to Z, I know A to W at least of her! We share a lot. This time in the US, we met a gynaecologist as we have had problems with this in the past. We asked that gynaecologist what to do if it crops up. We also did Zoom chat with a doctor Mira had been in touch with from before. So we had our bases covered as this can happen to a woman any time.

We also carried precautionary medicines to Tokyo. The thing is, you can’t be sure 100% with these things. And that’s what happened. We missed the 117-kg lift — she had done 119 kg just a few days ago. So if that (menstrual cramps) hadn’t set in, she might perhaps have done even better. But this is part of the game, you have to be ready for anything. But yes, it does affect performance.

**SHIVANI NAIK: How much would you say Mirabai has evolved since she started to train with you, and how much of a learning experience has this been for you as well?**

**Vijay Sharma:** Mirabai came into the national camp after she had won a medal in the junior championships. At that time, I was in charge of the men’s team but training used to happen together. She has been with me since the 2014 Commonwealth Games. When she won a silver then, she had lifted clean & jerk weight of 98 kg. Slowly from there, we

worked hard, and today she can lift 119 kg in the same category. It has been a long and tough journey but Mirabai has put in honest work and discipline, the result of which is her being here, at this position.

**DEVENDRA PANDEY: Coach Sharma, it’s all about the medal now, but how tough were the last few years with this single-minded pursuit?**

**Vijay Sharma:** The bond between a coach and the athlete is significant. Luckily, my bond with Mira gradually became as strong as a father-daughter’s. That is why we bounced back after every injury, every problem, and gave this result.

This was a pursuit of five years. 2019 and 2020 were absolutely crucial for us. At the Kolkata nationals (in February 2020, where Mirabai won gold), we performed brilliantly and there was regular improvement. And suddenly, we got to know that the Olympics had been postponed. We were distraught. But again, it’s the resolve. In our hearts we knew that we have to do this, it will be delayed now, but we will perform. We didn’t go back home during the lockdown. The thought process then was whatever happens, happens for the best. We didn’t spare any opportunity. In rooms, corridors, whenever we got any opportunity, we trained.

**SANDEEP DWIVEDI: Mira, the pandemic time must have been a setback for you guys. How much did it impact your training and how much of a difference does no crowds make?**

**Mirabai:** Everyone likes crowds, they bring a different energy.

**SANDEEP DWIVEDI: What is the thinking like after each lift? When does the thought of a medal kick in?**

**Mirabai:** I was not thinking about a medal, every player has a different way of thinking. We have six lifts, first three and later three. My first goal was to clear the first three lifts. If I think about the medal after one lift, things will be over for me. I was thinking about giving my best performance.

**SANDEEP DWIVEDI: Do you ever get angry in real life, because there is hardly any tension on your face?**

**Mirabai:** Sometimes I do get angry (*laughs*). It happens sometimes.

**SANDEEP DWIVEDI: Do you meditate or read to bring that calmness?**

**Mirabai:** I have been like this since childhood. The mind needs to be relaxed as a relaxed mind always helps.

**SRIRAM VEERA: What was going through your mind between lifts?**

**Mirabai:** You do feel the pressure as everyone is watching you, there is pressure to do well. I recall the time I spent during training, I keep calm, I tell myself that the way I pull through during my training, I will do the same here. The situation then feels normal.

**SHIVANI NAIK: Coach Sharma, how is Mirabai different from the other lifters you have trained?**

**Vijay Sharma:** *Talented bachche bahut hain* (There are many talented children). But the two things that separate Mira from these other weightlifters are her discipline and her self-determination. *Aaj bhi cycle pe training karne aati hai hostel se*

(Even today she comes for training on a cycle from the hostel). In the last five years, she hasn’t been home for even 10 days, she has missed her own sister’s wedding and she has done nothing but eat, sleep and train. These things are very tough for other talented weightlifters.

**NIHAL KOSHIE: Mira has had many issues in the past. There was the mystery back issue and problems with her shoulder. In a power sport like weightlifting, how challenging is it to make a comeback after injury?**

We didn’t go home during the lockdown... In rooms, corridors, any opportunity, we trained... In 5 years, Mira home for not even 10 days, missed her sister’s wedding

**Mirabai:** I used to think about home every day. There was not a day when I didn’t miss my mother and my family. I have not been home for the past few years now. At the same time I would tell myself that I was in the US so that I could win a medal for my country. I had to keep my emotions aside and focus on my training.

**SHIVANI NAIK: How does a coach balance between training and injury management in weightlifting?**

**Vijay Sharma:** When you are regularly watching a student, even a small difference during their lifts should tell you that there is fatigue, the body isn’t working properly today. Then, depending on the communication with the athlete, you will immediately know if there is a problem and you have to change the training.

**SRIRAM VEERA: The stereotype is that weightlifting is an aggressive sport and lifters work themselves into almost a frenzy before lifts. Mira is calm, composed...**

**Vijay Sharma:** It’s up to the DNA of every wrestler. You can be quiet and calm and perform really well. Some need to get really hyper, they shout loudly, to perform. It differs from person to person. It depends on your nature and we tailor the training according to it.

**SHIVANI NAIK: Mira, how do you typically react when you hear, say, that Chinese lifter Zhizhi Hou (the eventual champion), has lifted a record 96 kg? Does it add to the pressure?**

**Mirabai:** There was no pressure. She had a good snatch and I will just try to match it someday. I feel one day I will also lift 96 kg so I need to continue my hard work and keep training.

**SRIRAM VEERA: Coach Sharma, in these tense and emotional times of preparation, have there been any lighter incidents that stick in the mind?**

**Vijay Sharma:** Our federation’s secretary general Sahadev Yadav ji, who was in daily touch with us and took care of all the details, had met a sports psychologist who said, ‘Keep Mira laughing, don’t allow her to get stressed, just light-hearted stuff daily’. Twice daily, for 5-10 minutes, we would keep her laughing. Just to not let her get too serious.

**SHIVANI NAIK: Mira, how good was returning home after long?**

**Mirabai:** I’m very happy, the way I was welcomed. Everyone here is happy, be it my family, my friends. I got plenty of gifts. I am just happy.

**NIHAL KOSHIE: Mira, after winning at Tokyo, whom did you call first?**

**Mirabai:** I did speak to my mother, she told me there were celebrations back home. Lot of well-wishers had come by. We couldn’t speak much, but I saw it on TV later. I wanted to talk more to her, but couldn’t.

**SHIVANI NAIK: How did you celebrate the medal back at the Athletes Village?**

**Mirabai:** Due to the pandemic, I couldn’t celebrate after I won because there were too many restrictions. I didn’t enjoy it much either. I spoke to Sir and he said it was a dream which everyone had seen together for the last five years. We worked so hard to get this. Finally, the day had come. We sat in the evening and recalled those past five years.

**SRIRAM VEERA: We have read that two years ago, when you couldn’t sleep well, you used to reverse count from 100 to 1. Is the problem solved?**

**Mirabai:** It has been solved. There is no issue now.

**SRIRAM VEERA: So after winning a medal now, do you get good sleep?**

**Mirabai:** (*Laughs*) *Khushi ke maare neend nahin aati* (Now I can’t sleep out of sheer happiness). We waited so many years for only this day.

**SHIVANI NAIK: Do you miss training now? And what will be the challenges ahead of the Paris Olympics?**

**Mirabai:** Yeah, I miss it a lot. I want to go back to training!

Three years is less time. I have to start again. Time is running fast. There will be qualification rounds and later the Commonwealth Games and Asian Games. I have very little time actually.

Illustration: Suvajit Dey

A coach must keep tab of all... what’s on in her body. We can speak of things like menstrual cramps only due to trust. If not A to Z, I know A to W of her!



# 9 ECONOMY

FIRMS LIKELY TO STRUCTURE ASSETS ACCORDINGLY WHILE DOING DEALS HEREON

## Retro tax repeal: Sovereign right to tax intact post-2012, but mist clears for cos

AANCHAL MAGAZINE  
NEW DELHI, AUGUST 8

THE GOVERNMENT'S recent move to bury the controversial policy of retrospective taxation will provide relief to companies that undertook indirect transfer of assets before May 28, 2012, but the country still continues to retain its sovereign right to taxation under Section 9(1)(i) of the Income-tax Act. With the removal of the retrospective feature, however, a clear and predictable taxation law and intent has been presented to the companies, which are expected to structure their assets accordingly while doing deals hereon.

Experts said this removal of the

retrospective aspect now also provides clarity for deals between companies of countries where these are not covered under any tax treaty benefits.

"... Any indirect transfer of assets where underlying assets are in India, the tax is payable in India and accordingly they will arrange their assets. That is tax planning as far as the future is concerned. And for the future, the amendment in the law is now settled, and you arrange the assets in a manner that tax liability is reduced to the minimum," said V Lakshmi Kumar, managing partner, Lakshmi-kumar & Sridharan Attorneys.

The immediate beneficiaries would only be those who did their transactions before 2012 and from

**EXPLAINED**  
**E. Why was this tax brought in**

THE GOVERNMENT had, in 2012, retrospectively amended the Income-tax Act. This was in response to a Supreme Court verdict, which had held that Vodafone cannot be taxed for a 2007 transaction that involved its purchase of a 67 per cent stake in Hutchison Whampoa.

them the government will not collect the tax. And if collected, they

will refund it, he added.

The government has proposed amendments to the Income-tax Act and Finance Act, 2012 to effectively state that no tax demand shall be raised for any indirect transfer of Indian assets if the transaction was undertaken before May 28, 2012.

Section 9(1)(i) of the Income-tax Act states that any income accruing or arising outside India due to a business connection in India is deemed to accrue or arise in India and shall be taxable in case of all assesseees irrespective of their residential status. Companies are now expected to withdraw their litigation claims for deals prior to 2012, experts said.

"They are not saying that the

law was wrong. They are just saying the retrospectivity in the law is wrong which they are taking back. There is not much future planning shift which can happen, it is only the past which has been corrected. For the future, there is no new law in place... the companies don't have a reason to continue with the arbitration (for cases before 2012) because they have been given a winning deal. Whatever they were saying, the government has now agreed to it. They stand to gain by withdrawing the litigation and then there will be a refund of any taxes that have been already paid or refunded in respect of any demands that have been adjusted," Neha Malhotra, tax partner, Nangia & Co said.

## Power consumption up 9.3% in August first week

The country's power consumption grew 9.3 per cent in the first week of August to 28.08 billion units after easing of lockdown curbs , as per Power Ministry data

During August 1-7 in 2020, the power consumption was 25.69 BU. It was 25.18 BU during August 1 to 7 in 2019

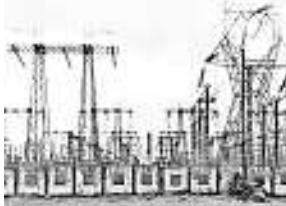
Recovery in power demand and consumption in the first week of August 2021 is consistent and would further improve as many states have eased lockdown

restrictions for boosting economic activities

Power demand as well as consumption would see improvement due to higher commercial and industrial demand in coming days but the only fear is another wave of pandemic

## PEAK POWER DEMAND

met or the highest supply in a day stood at 188.59GW in the first week of August, which is 14 per cent higher than 165.42 GW in the same period last year



April 2021 saw year-on-year growth of nearly 38.5 per cent. The second wave started in the middle of April and affected the recovery in commercial and industrial power demand as states started imposing restrictions	Source: Power Ministry/PTI
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## Task cut out for DoT to convince FinMin on telecom relief package

AASHISHARYAN & SUNNY VERMA  
NEW DELHI, AUGUST 8

THE DEPARTMENT of Telecommunications (DoT) may find it difficult to convince the Finance Ministry to give the go ahead for telecom sector-specific relief as the latter has expressed apprehensions about the bailout options laid out by the department, sources told *The Indian Express*.

Among the relief package options chosen by the DoT are a possibility of extending the moratorium on spectrum payment obligations by another couple of years or allowing the telcos to encash, for some years, the bank guarantees the firms have submitted before asking them to re-submit these, the sources said.

"The discussions are still on. A sector-specific relief will be difficult because the government has received requests from other sectors such as the food and beverages, hotels industry as well for relief," a senior government official said. The discussions for relief to the telecom sector have gained pace after Kumar Mangalam Birla, former non-executive chairman and direc-

## ON THE TABLE

■ Among the relief package options are a possibility of extending moratorium on spectrum payment obligations by couple of years or allowing telcos to encash, for some years, the bank guarantees the firms have submitted before asking them to re-submit these, sources said

tor of Vodafone Idea (Vi), wrote to the Central government in June offering to "hand over" his 27 per cent stake in the company to any public sector, government, or domestic financial entity or to any other firm that the government may think fit, to keep Vi going.

The June letter, however, was not the first time that Birla had raised the request for a package from the government. In December 2019, he had, following the Supreme Court judgment on adjusted gross revenue, said that Vodafone Idea would have to "shut shop" if there was no relief forthcoming from the government.

Following his comment, the majority stakeholder in Vi, Vodafone Group's chief executive officer Nick Read too had ruled out any further equity infusion in the debt-laden telecom joint venture it runs in India.

For some time now, Vi has been unsuccessfully scouting the globe, trying to either raise funds of up to Rs 25,000 crore or bring in a strategic partner. In his June 7 letter, Birla made a mention of the company's efforts to raise the funds and said that all the non-Chinese investors they had talked to so far had asked to be assured that the Indian government wanted to "have a three-player telecom market".

"To actively participate in this fundraising, potential foreign investors (mostly non-Chinese and we are yet to approach any Chinese investors) want to see clear government intent to have a three-player telecom market (consistent with its public stance) through positive actions on long-standing requests such as clarity on AGR (adjusted gross revenue) liability, adequate moratorium on spectrum payments, and most importantly, a floor pricing regime above cost of service," Birla wrote.

## MARKET WATCH

### FPIs INVEST ₹1,210 CR IN AUG SO FAR

New Delhi: Overseas investors were net buyers to the tune of Rs 1,210 crore in domestic markets in the first five trading sessions of August on the back of domestic factors. In equities, they invested Rs 975 crore during August 2-6, as per depositories data. PTI

## New chemistry cell battery tech set to diversify, disrupt sectors: From electricity storage to EVs

ANIL SASI

NEW DELHI, AUGUST 8

WITH AT least three energy storage-linked projects of scale being planned in India, new advanced chemistry cell battery technologies, which could potentially enable battery storage ecosystems to diversify away from the established lithium-ion formula and scale up the viability threshold, offer an array of potential options to policymakers. The suitability of some of these frontier battery technologies are likely to be evaluated based on the end-use application of the battery storage projects in the works — electricity storage for the grid or their use in electric vehicles (EVs).

While policymakers in the NITI Aayog and the Power Ministry maintain that the established lithium-ion ecosystem is likely to continue to be the mainstay for the projects that are on the verge of being rolled out, there is now a fresh impetus to examine these new technological breakthroughs from an improved viability and end-use perspective while drafting new project proposals.

The new technologies include a novel rechargeable iron-air battery developed by a US-based startup for electricity grid storage that promises to deliver power at less than a tenth of the cost of lithium-ion batteries, alongside solid-state batteries that use alternatives to the aqueous electrolyte solutions — an innovation that could lower the risk of fires, sharply increase energy density and potentially take only 10 minutes to charge a battery — is being explored by mobility.

The government has already commenced work on a blueprint for a project of around 4,000-megawatt hour of grid-scale battery storage system at the regional load dispatch centres (RLDCs) that control the country's power grid, primarily to balance the vagaries of renewable generation. Apart from this, Reliance Industries Ltd has recently announced plans to set up an Energy Storage Giga factory while state-owned NTPC Ltd has floated a global tender for grid-scale battery storage project.

The Union Power Ministry's large grid-scale battery storage project is being envisaged as an intervention mechanism aimed at counterbalancing any sharp fluctuation in grid frequency because of renewables, with part of the envisaged capacity set to be reserved

## FRESH IMPETUS

■ There is now a fresh impetus to examine these new technological breakthroughs from an improved viability and end-use perspective while drafting new project proposals

as an ancillary for the grid controllers, and part to be made available to the project developer to be leveraged on a commercial basis by storing energy during off peak hours and drawing from it during peak hours. Mega battery storages are expected to add to the stability of India's electricity grids. Posoco, India's electricity grid operator, manages the grid through the National Load Despatch Centre and a combination of five RLDCs and 33 state load despatch centres. The storage is planned at the RLDC-level to manage growing share of renewables in the country's electricity generation mix.

There are also other wings of the government that are active in this area. The Department of Science and Technology has launched a "Materials for Energy Storage" and "Materials for Energy Conservation and Storage Platform" programme, and set up centres on batteries and supercapacitors with Indian Institute of Technology Bombay and Indian Institute of Science, respectively, for developing energy materials for efficient electrochemical energy storage devices. This is in addition to the Ministry of New and Renewable Energy supporting a broad-based Research and Development Programme on energy storage.

One of the the new breakthrough technologies globally, announced in July, is by US company Form Energy Inc: a rechargeable iron-air battery capable of delivering electricity for 100 hours at a claimed system cost competitive with conventional power plants and at less than 1/10th the cost of lithium-ion. "We conducted a review of available technologies and have reinvented the iron-air battery to optimise it for multi-day energy storage for the electric grid," according to Mateo Jaramillo, Form Energy's CEO and co-founder. "With this tech, we are tackling the biggest barrier to deep decarbonisation: making renewable energy available when and where it's needed, even during

multiple days of extreme weather or grid outages." The battery leverages the concept of 'reversible rusting' — the battery uses oxygen from the air and converts iron metal to rust while discharging, and while charging, the application of an electrical current transforms rust back to iron and the battery releases oxygen back into the air. But the problem pertains to the battery's size and weight, which makes its application impractical in EVs. In case of grid storage, though, it works well as it's about the size of a small refrigerator.

The other really promising technology involves solid-state batteries that use alternatives to aqueous electrolyte solutions — an innovation that could lower the risk of fires, sharply increase energy density and potentially take only 10 minutes to charge an EV, cutting the recharging time by two-thirds. Despite the improvements in lithium-ion batteries over the last decade, long charging times and weak energy density are still barriers.

Some of the alternatives being fostered globally to achieve more optimal options include:

■ Toyota's solid state battery: The Japanese automaker is attempting to wrest back the lead from the Chinese, who are current Li-ion battery pack leaders. It plans to be the first company to sell an EV equipped with a solid-state battery and will unveil a prototype this year. Nissan, too, is in the fray.

■ Apple battery tech: Apple has said it's moving forward with self-driving car technology and will target 2024 to produce a passenger vehicle.

■ QuantumScape's solid-state battery: Earlier efforts to create a solid-state separator (electrolyte) capable of working with lithium metal had to compromise on its other aspects like cycle life, operating temperature, cathode loading, among others. QuantumScape seems to have circumvented this, and its use of a solid state separator technology eliminates the side reaction between the liquid electrolyte and the carbon in conventional lithium-ion cells' anode.

■ Tesla's new tabless battery: A tab is part of the battery that forms a connection between the cell and what it is powering. Tesla will produce its new batteries in-house, which CEO Elon Musk predicts will help dramatically reduce costs and help sell EVs for the same price as petrol-powered ones.

Full report on [www.indianexpress.com](http://www.indianexpress.com)

## INTERVIEW WITH FOUNDER AND CEO OF EMCURE PHARMACEUTICALS

### ‘On track to deliver 60 mn doses of our mRNA vaccine by yr-end’



Satish Mehta

be surprises and we don't know what the Delta variant would do.

Genova has been given the target to supply vaccines by the year-end. What stage are you on your mRNA vaccine?

The government has given us a target of 60 million doses by the end of the year. We are on track and committed to delivering it. Right now we are in Phase 1. We are very satisfied with the primary outcome of safety. As we speak, secondary outcome of efficacy or immunogenicity is also being reviewed and studied by drug safety and monitoring board — an independent body. Post that, we will submit our data with the Central Drugs Standard Control Organisation and apply for phases 2 and 3. That's when the regulatory bodies would comment and guide us in terms of next steps.

We are on track but there are different types of challenges. First and foremost is that the product has to be shown safe through the clinical trial process. Simultaneously, the supply chain aspects are daunting because gaining access to some of the key raw materials (particularly for the mRNA vaccines) is a big challenge.

So we are taking efforts to plan for manufacturing and securing raw material supply. We are repurposing some of our own capacities within the company for fulfilling the requirement of the vaccine.

By when do you think you would you be able to do second and third phase trials?

We don't have a timeline for that and it is very difficult for me to say that as of now. We can focus on the processes and do them diligently, then we have to work closely with government agencies. I am very optimistic. The government is handholding and supporting us quite a lot.

How do you see your vaccine and demand for it?

We are very bullish on our mRNA vaccine because within 45-50 days the vaccine can also be developed for the new variant including Delta variant. Unlike other vaccines (that we have), which has Adenovirus or attenuated live virus, this has a dynamic platform where you can come out with a new vaccine. It is important because I think this cat-and-mouse game would go on for 2-3 years.

While mRNA is undoubtedly the best vaccine that we have, Pfizer and Moderna are supplying to the regulated markets. The rest of the world (EMS) would be happy to take mRNA and we see them as a market. While Moderna and Pfizer are required to be kept at very low temperatures, the vaccine that we have developed is stable between 2 and 8 degrees, and that makes the job lot easier.

Full interview on [www.indianexpress.com](http://www.indianexpress.com)

## SECTOR WATCH INSURANCE

### Covid health claims of ₹10,703 cr pending before insurers despite HC, Irdai directive

GEORGE MATHEW  
MUMBAI, AUGUST 8

WITH INSURANCE claims going through the roof amid the Covid pandemic, insurance companies are sitting on almost one-third of the claims submitted by patients since the pandemic hit the country in the beginning of 2020-21.

Over 3.06 lakh Covid claims for Rs 10,703 crore are pending before insurance companies as of August 6, indicating the pressure being faced by insurers despite Delhi High Court and Irdai, directing insurance firms to complete the settlement of Covid claims in an hour after discharge.

Health insurance companies have received a total of 23.06 lakh claims worth Rs 29,341 crore as on August 6, 2021, according to figures compiled by General Insurance Council. However, insurance firms have settled only Rs 17,813 crore involving 18.99 claims so far.

Of the total claims, 13.19 lakh claims worth Rs 14,783 crore came between April 1 and August 6, 2021 during 2021-22 while 9.86 lakh claims for Rs 14,560 crore were reported during the financial year ended March 2021.

According to insurers, the sharp rise in Covid claims has hit them substantially. "Yes, health claims have gone up a lot. While the number of claims went up, the average cost of a covid claim is twice the size of non-covid claims. Thus, the hit has been substantial," said Kamesh Goyal, chairman, Digit Insurance.

The big rise in claims even

As per insurers, the sharp rise in Covid claims has hit them substantially

forced some insurance companies to stop issuing health policies for some periods. Many companies were even forced to go slow on issuing term policies as death claims also shot up. "I'm sitting on a 400 per cent loss in Covid claims," said the regional manager of a public sector insurer.

The General Insurance Council, the representative body of 34 general insurers in the country, has laid down a basic framework for seeking the cooperation from hospitals to implement the directives. It has asked hospitals to submit all the patient discharge documents in one go without having to be reminded of the missing documents like cashless treatment approval reference, copy of the case sheet, prescriptions, diagnostic reports, bills, discharge summary, Covid positive and the subsequent Covid negative reports.

According to the Council, when the patient's progress is good and discharge is planned for the next day, hospitals should inform the insurance company or TPA of the impending discharge the soonest and submit the available documents and bills. "Balance documents and bills pertaining to the last 24 hours could be submitted at the discharge time so that the insurance company or TPA could also start working on the discharge simultaneously," it had said.

## BRIEFLY

### Sebi probed 94 new cases

New Delhi: As many as 94 fresh cases pertaining to flouting of securities norms were taken up for investigation by Sebi in 2020-21, marking a fall of 42 per cent from the preceding financial year, as per the regulator's latest annual report. PTI

### US board diversity

New York: The US Securities and Exchange Commission approved a proposal from Nasdaq that requires its listed companies to have diverse boards or explain why they do not. The proposal requires that companies have two diverse directors, including one who identifies as female and another as an underrepresented minority or LGBTQ+. REUTERS

## Rankings must be transparent; digital dominance a concern: CCI Chairman

KARUNJIT SINGH  
NEW DELHI, AUGUST 8

ONLINE PLATFORMS must make ranking systems transparent and treat all sellers in a non-discriminatory manner, CCI Chairman Ashok Kumar Gupta told *The Indian Express* in an interview.

Gupta said instances of digital players abusing their market power had become a concern for the competition regulator. The CCI has ordered investigations into the conduct of major online platforms including Flipkart, Amazon and MakeMyTrip. The CCI is also conducting investigations into Google's conduct in the smart TV, mobile operating system and on-line payment platform spaces.

"Of late, instances of digital players abusing their dominance or market power by adopting anti-competitive means, have been brought to the attention of the



CCI Chairman Ashok Kumar Gupta. via @CCI\_India Twitter

Commission. That is a concern," said Gupta, adding while the Commission did not think it was always necessary for there to be multiple players in a market segment, dominant players should not abuse their market power. The Commission is currently investigating allegations against Google: that the tech giant requires original equipment manufacturers in the smartphone and smart TV space to sign agreements

which prevent such manufacturers from making forked versions of Android operating system and require they include the entire suite of Google apps on their devices if they want to pre-install the Google Play Store on their devices. Gupta also highlighted key issues of opaque ranking systems, exclusive selling arrangements and deep discounting.

"In search ranking, you have to be transparent and your algorithm has to be unbiased. You cannot just rank businesses in your own opaque ways which nobody knows," said Gupta, noting that it was important that platforms charge commissions to sellers in a non-discriminatory manner.

"When people don't have effective alternatives, you become like an essential facility, you acquire the characteristics of a public good," he said. CCI officials have previously said a large number of sellers are becoming increasingly

dependent on online platforms.

"Prima facie we have also seen that the ecosystem of exclusive agreements, deep discounting, and preferred sellers put together by online platforms commanding market power are also raising competition concerns," he said.

Gupta added differential treatment in terms of commissions charged to sellers were also a cause of concern. The National Restaurants Association of India has approached the CCI, alleging Swiggy and Zomato have misused their market power by unilaterally raising commissions charged to restaurants and masking consumer data from restaurants.

"Our endeavour is that people should be able to shift lock, stock and barrel from one platform to another seamlessly. One hindrance in that is the absence of data portability. If you want to shift from one platform to another, you may lose your data," Gupta said.



# 10 THE WORLD/SPORT

## TOP OF THE WORLD



Ochre markings painted on stalagmites, *Reuters*

### SPAIN

#### Cave paintings show Neanderthals were artists

NEANDERTHALS MAY have been closer to our species of prehistoric modern human than previously believed after cave paintings found in Spain proved they had a fondness for creating art, one of the authors of a new scientific report said. Red ochre pigment found on stalagmites in the Caves of Ardales, near Malaga in southern Spain, were created by Neanderthals about 65,000 years ago, making them possibly the first artists on earth, according to the study published in *Proceedings of the National Academy of Sciences* journal. **REUTERS**

### PAKISTAN

#### 2 cops killed in blast near luxury hotel in Quetta

AT LEAST two policemen were killed and eight others injured on Sunday when a powerful blast targeted their vehicle near a luxury hotel in Quetta, the capital of Pakistan's Balochistan province, officials said. "The initial probe showed that the bomb was fitted with a motorbike," a Balochistan government spokesperson said, adding that the blast targeted the police mobile van at Tanzeem Square near Serena Hotel in Quetta. **PTI**

# Taliban seize key Afghan city of Kunduz

Sar-e-Pul, another provincial capital, also captured; insurgent group pushes into Tالقان city

**CHRISTINA GOLDBAUM, NAJIM RAHIM, SHARIF HASSAN & THOMAS GIBBONS-NEFF**  
KABUL, AUGUST 8

THE TALIBAN seized the city of Kunduz in northern Afghanistan on Sunday, officials said. It is the first major city to be overtaken by the insurgents since they began their sweeping military offensive in May, and it happened just weeks before US forces were set to complete a total withdrawal from Afghanistan.

It was also the third provincial capital to be overtaken by Taliban in three days, and a major blow to the Afghan government.

Kunduz, the capital of a province of the same name, is a significant military and political prize. With a population of 374,000, it is a vital commercial city near the border with Tajikistan.

"All security forces fled to the airport, and the situation is critical," said Sayed Jawad Hussaini, the deputy police chief of a district in Kunduz city.

Clashes between government forces and Taliban fighters were continuing in a small town south of the city, where the local army headquarters and the airport are situated, security officials said.

Security forces, who had retreated to the town earlier in the morning, began an operation to flush Taliban fighters out of the city on Sunday evening, accord-



In Kunduz on Sunday after fighting between Taliban and Afghan security forces. *AP*

ing to security officials.

In the two preceding days, the Taliban had taken two other provincial capitals: Sheberghan, the capital of Jowzjan Province in the north, and Zaranj, the capital of Nimruz Province on the Afghanistan-Iran border. As Kunduz was collapsing on Sunday morning, the Taliban also seized Sar-e-Pul, the capital of another northern province of the same name, officials said.

"Taliban are walking in the streets of the city. Local residents are terrified," said Sayed Asadullah Danish, a member of the Sar-e-Pul provincial council. Provincial officials had taken shelter in an army base on the outskirts of the city, where clashes were continuing,

he added.

After sweeping through the country's rural areas, the insurgents' military campaign has shifted to brutal urban combat in recent weeks.

Taliban fighters pushed into another northern provincial capital on Sunday, local and military officials said. The fighters had been contained at the gates of Tالقان, the capital of Takhar Province, since June. But as the Kunduz city centre fell, the insurgents moved toward Tالقان, threatening to topple a fifth provincial capital in three days.

"The situation is chaotic, and the front lines are not clear now," said Mohammed Omar, a district governor in Takhar who is leading militia fighters in Tالقان. **NYT**

## EXPLAINED Kunduz a major win for Taliban

TALIBAN IN recent days have stepped up their efforts to seize provincial capitals, and on Sunday, they pushed into three, including the strategically important Kunduz city. It represents a significant victory for the group as it is the first major city they have captured since foreign troops announced their departure. The city is also important because it serves as a gateway to the mineral-rich northern provinces and Central Asia.

## Official: Airstrikes in Lashkar Gah hit clinic, school

*Kabul:* Airstrikes damaged a health clinic and high school in the capital of southern Afghanistan's Helmand province, a provincial council member said Sunday. A Defence Ministry statement confirmed that airstrikes were carried out in parts of the city of Lashkar Gah. It said forces targeted Taliban positions, killing 54 fighters and wounding 23 others. Majid Akhund, deputy chairman of the Helmand provincial council, said airstrikes hit a health clinic and a school in the city on Saturday. **AP**

## Air Force pilot killed in Kabul bombing

*Kabul:* An Afghan Air Force pilot was killed by a bomb in Kabul on Saturday, officials said, in an attack claimed by the Taliban. The pilot, Hamidullah Azimi, died when a sticky bomb attached to his vehicle detonated, officials said, adding that five civilians were wounded in the explosion. Azimi was trained to fly US-made UH60 Black Hawk helicopters and had served with the Afghan Air Force for almost four years, the force's commander, Abdul Fatah Eshaqzai, told Reuters. He had moved to Kabul with his family a year ago due to security threats, Eshaqzai said. **REUTERS**



**PROTESTS AGAINST FRENCH VACCINE PASS:** At a protest against Covid-19 vaccine passports, in Paris on Saturday. Thousands of people marched in Paris and other French cities to protest against the special pass and what they see as restrictions of personal freedoms. *AP*

# Britain eases travel restrictions for India

**ADITI KHANNA**  
LONDON, AUGUST 8

THE UK on Sunday eased travel restrictions for India by moving the country from its "red" to "amber" list, which means fully vaccinated Indian passengers will no longer be subjected to a compulsory 10-day hotel quarantine on their arrival in Britain.

The Department of Health and Social Care (DHSC) has confirmed that all arrivals from India who have been vaccinated in India, which is on the amber list as at 4 am local time on Sunday, are re-

quired to isolate at home or their designated location mentioned on the compulsory locator form.

While the requirement for a compulsory 10-day self-isolation in a government-approved facility at an additional cost of £1,750 per head will no longer apply, only those vaccinated in the UK or EU would qualify for an exemption of the home quarantine requirement. "We recognise there are a large variety of Covid-19 vaccines being administered worldwide and work is ongoing to determine which non-UK vaccines and certification solutions to recognise," a DHSC source said. **PTI**

# Iran sees highest daily virus case, death counts

**ASSOCIATED PRESS**  
TEHRAN, AUGUST 8

IRAN, GRAPPLING with its most severe surge of the coronavirus to date, reported more new infections and deaths across the country on Sunday than any other single day since the pandemic began.

Health authorities logged over 39,600 new cases and 542 deaths from the virus. The fatality count shatters the previous record set

during Iran's deadliest coronavirus surge that gripped the country last November, signalling the current wave will likely only get worse. The new all-time highs push Iran's total number of infections over 4.1 million and death toll over 94,000 — the highest in the Middle East.

The crush of new cases have overwhelmed hospitals. The country has never seen so many Covid patients in critical condition, with 6,462 more severe cases reported Sunday.



**The day-five washout at Trent Bridge means both India and England log four World Test Championship points each from the first Test. *AP***

# Day 5 washed out, but Kohli finds 'template'

**PRESS TRUST OF INDIA**  
NOTTINGHAM, AUGUST 8

THIS TEAM will be "our template" going ahead, Indian captain Virat Kohli said after the rain-marred opener against England ended in a draw on Sunday, meaning they will stick to the 4-1 pace-spin combination in the remainder of five-Test series. So it will be a toss-up between Ravindra Jadeja and Ravichandran Ashwin in the upcoming four matches, with the former preferred for the first Test in which India were deprived of a victory owing to persistent rain that washed out the fifth day.

"We were expecting rain on days three and four but it chose to come on day five. It would have been enjoyable to play and watch, but it's a shame," Kohli said after the match. "This is exactly what we wanted to do; start strong. On day five we knew we had our chances. We certainly felt like we were on top of the game."

India needed to score 157 runs on the final day but the rain did not allow a single ball to be bowled.

"Getting that lead was crucial, but it's a shame we couldn't finish day five. Getting to fifty overnight

was important. We just didn't want to play for survival. Our intent kept us ahead. It's hard work of three odd weeks for our bowlers with the bat."

"Most likely this will be our template in this series, but adaptability has been our strength. The conditions and the pace on the wicket needs to be seen, but this team will be our template. England and India have always been a blockbuster, and looking forward to the next Test."

As part of the new World Test Championship cycle, both India and England logged home four points each. Only 250 plus overs out of a maximum 450 were possible due to the weather. India, chasing a target of 209, were well-placed at 52 for one in 14 overs at the end of fourth day. Though India had their nose ahead, English skipper Joe Root said rain marred "what would have been a very interesting final day".

"Great Test match to play in and watch as well. Sets up the series really well and hopefully we can take it into the next games. We certainly believed we could win. We knew we would have opportunities if we took our catches and kept our fields. It's a shame it ended this way," Root said.

# Messi breaks down, says wasn't ready to leave

**ASSOCIATED PRESS**  
MADRID, AUGUST 8

LIONEL MESSI began crying before he even started speaking. His "most difficult" moment of his career had arrived and he wasn't ready for it.

It was time to say goodbye to Barcelona after more than two decades with the Catalan club.

"I don't know if I'll be able to speak," he said while trying to compose himself during his farewell news conference at the Camp Nou Stadium on Sunday. "It still hasn't sunk in that I'm leaving this club, that my life will be changing completely. It will be a difficult change for me and especially for my family. But we have to accept it and move on."

Messi struggled to control his emotions and cried profusely as he stepped up to the podium at the Camp Nou. "This is very hard for me after so many years, after being here my entire life," he said. "I wasn't prepared."

Messi said that, unlike last year when he asked to leave, he had his mind set on staying with Barcelona and did everything possible to make it happen, including reducing his salary by 50%. He said he was surprised to hear he wouldn't be able to stay because of the club's debt and the Spanish league's financial fair-play regulations. "In these last few days I was thinking about what I would say today, but to be honest I couldn't come up with anything. I was blocked, like I still am right now," Messi said. "I was convinced that we would remain with the club, which is our home."

Messi's family and some of his teammates were at the Camp Nou for the emotional farewell. He was applauded several times by those in the audience.

The 34-year-old Messi avoided speaking specifically about his future, saying he received offers from several clubs after the announcement that he would leave the Catalan club. When asked about Paris Saint-Germain, considered the frontrunner to sign him, Messi admitted it was "a possibility."

"At this moment I don't have a



Lionel Messi avoided speaking about his future, saying he has offers from several clubs. *Reuters*

deal with any club," he said.

PSG has been in talks over the weekend with Messi's team trying to finalize a deal.

Sports daily L'Equipe reported on its website Sunday that Messi was to fly to Paris later Sunday to put the finishing touches on the deal with a view to having a medical exam on Monday morning.

An email from The Associated Press to PSG seeking to confirm the report was not immediately answered. Messi said he hopes to return to Barcelona in some capacity one day and that he wished he could have said goodbye to fans in a match with a capacity crowd chanting his name. He said it was sad to leave after not being able to play in front of fans for nearly a year and a half.

He said his best moment was his first-team debut in 2004, because "that's when it all started." He said he has "no regrets," but believed he was part of a generation that should have won more Champions League titles.

**In these last few days I was thinking about what I would say today, but to be honest I couldn't come up with anything. I was blocked, like I still am right now. I was convinced that we would remain with the club, which is our home.**

### LIONEL MESSI

He said it will be "strange" to see Barcelona without Messi, "but with time people will get used to it." He said the club still has good players and can continue to succeed without him.

Barcelona announced Thursday it could not keep its greatest player because it wasn't able to fit a new contract within the Spanish league's financial fair-play regulations. The club's salary cap has been significantly slashed because of its huge debt. President Joan Laporta blamed the club's

struggles on the coronavirus pandemic and particularly on the previous administration led by Josep Bartomeu.

Messi asked to leave at the end of the 2019-20 season but had his request denied by Bartomeu, with whom he had clashed. "I wanted to leave then, but not now," he said. "I didn't expect it, so it's sad to have to say goodbye."

Messi spent nearly two decades with Barcelona after arriving from Argentina as a 13-year-old to play in its youth squads. He made his first-team debut as a 17-year-old, then played 17 seasons with the main squad. He helped the club win the Champions League four times, the Spanish league 10 times, the Copa del Rey seven times and the Spanish Super Cup eight times. Messi leaves as Barcelona's all-time leading scorer with 672 goals. He played in 778 matches with the club, also a record. He is also the overall top scorer in the Spanish league with 474 goals from 520 matches.

# What Messi's exit means for Barcelona

**SHAMIK CHAKRABARTY**  
AUGUST 8

LIONEL MESSI broke down at his final press conference as a Barcelona player. Since making his senior debut at Camp Nou in 2003, Messi has played 778 games for the Catalan club, scoring 672 goals. He claimed he wanted to stay at the club and had even accepted a 50 percent salary cut to sign a new contract. But as it turned out, Barcelona couldn't even afford a cut-price Messi.

### Why is Messi's Barcelona exit a football tragedy?

Messi has spent over two decades at Barcelona, and is the most decorated player in the club.

Even his children are Argentine-Catalan. There were several brinkmanship attempts when things didn't go well on the pitch, including a call to leave the club ahead of the 2020-21 season. He shared an acrimonious relationship with erstwhile club president Josep Bartomeu. But when Joan Laporta replaced Bartomeu, Messi committed his future to Barcelona.

By July 1 he was a free agent, with a new contract being formalised. "... at the last minute, it couldn't happen. This year I wanted to stay and I couldn't. Last year I didn't want to stay, and I said it," Messi said.

### What did Barcelona say on Messi's exit?

On August 5, Barcelona confirmed that Messi "will not continue" with the club. A day later, Laporta said: "Leo wanted to stay and the Club wanted him to stay, but with the LaLiga rules it has not been possible." The club wanted to extend the 34-year-old's contract by two years, but LaLiga's Financial Fair Play (FFP) rules prevented it. As per the rules, Barcelona's wage-to-turnover percentage has to be 70 percent.

### Why can't Barca afford Messi?

Barcelona couldn't have resigned the six-time Ballon d'Or winner even if he had played for free. As Laporta explained, with Messi on board, the club's wage-to-turnover percentage was 110 percent. And without him, it would have been 95 percent — well above the FFP cut-off mark. As per the latest financial report, the club's debt exceeded £1 billion, which includes money owed for Philippe Coutinho and Frenkie de Jong. The wage bill for their first-team squad is around £235 million-a-year.

"Before anything, I want to explain that we have received a terrible inheritance from the previous board," Laporta said. "There's no room to manoeuvre and the (FFP) rules mark the limits... we had to accept an agreement that mortgaged the Club's TV rights for half a century and FC Barcelona is above everything else."

### Is this the end of Messi at Barcelona?

A tearful goodbye suggests so. Messi has been the Spanish league's most lucrative player in terms of commercial deals and TV rights, and according to some pundits, this could well be a pressure tactic from Barca to force LaLiga to water down its FFP rules. Interestingly, Real Madrid also released a statement, attacking LaLiga, on the heels of Barcelona confirming Messi's exit.

### Is Messi going to PSG?

Messi remained coy on his next move. But he has reportedly spoken with PSG coach Mauricio Pochettino and the club is making arrangements for an Eiffel Tower unveiling of Messi. PSG are one of the very few clubs that can afford the Argentine. Also, owned by Qatari investors, Messi's arrival could unlock huge commercial possibilities ahead of the 2022 World Cup in Qatar.



# Men behind the medals: Seven foreigners, 1 Indian

The podium has place for only the athletes who perform in front of the world. But there's always guiding hands and wise counsel that show the right path to a medal. The seven medals India won at Tokyo too owe a lot to the coaches who worked behind the scenes to ensure their wards succeeded on the biggest stage.

**UWE HOHN**  
**(HEAD COACH) & DR KLAUS BARTONIETZ**  
**(BIOMECHANICAL EXPERT)**  
COUNTRY: GERMANY  
ATHLETE: NEERAJ CHOPRA  
EVENT: JAVELIN THROW  
MEDAL: GOLD



THE JAVELIN thrower's body is like a bow and the javelin an arrow. This is Dr Bartonietz's philosophy and it worked like a charm for Chopra. Bartonietz has immense knowledge about the intricacies of the event and is credited with making Chopra stronger, yet more elastic, in his movements. He was part of the core team which developed javelin-specific work-out machines German throwers swear by.

UWE HOHN, the only man to throw the spear over 100 metres, coached Chopra when he won the Commonwealth and Asian Games gold medals in 2018. He roped in Bartonietz for his expertise in early 2019. Both Germans had worked with the Chinese national team earlier.

**VIJAY SHARMA**  
**(CHIEF NATIONAL COACH)**  
COUNTRY: INDIA  
ATHLETE: MIRABAI CHANU  
DISCIPLINE: WEIGHTLIFTING 49KG  
MEDAL: SILVER



MIRABAI CHANU came under the guidance of Sharma, a former national champion, in 2014, the same year he took charge of the men's team for the Commonwealth Games. Sharma's own career as a weightlifter was curtailed because of a wrist injury. He has been a constant during the highs and lows faced by Chanu. After she failed to produce one legal lift in the clean and jerk at the 2016 Rio Olympic, it was Sharma, along with her mother, who coaxed her out of thoughts about retirement. Sharma joined the national camp in 2012 after UP, the state he coached, became national champions.



**GRAHAM REID**  
COUNTRY: AUSTRALIA  
TEAM: MEN'S HOCKEY  
MEDAL: BRONZE

**KAMAL MALIKOV**  
COUNTRY: RUSSIA  
ATHLETE: RAVI DAHIYA  
EVENT: 57KG FREESTYLE WRESTLING  
MEDAL: SILVER

BROUGHT IN to prepare Sushil Kumar for Tokyo Olympics' qualification, Malikov was meant to be a fitness trainer, a sparring partner and observer for India's two-time medallist. But once that was no longer feasible, Malikov was employed from April 2021 under the Target Olympic Podium Scheme (TOPS) to help Dahiya. For the Indian wrestler, Malikov was able to procure prime sparring partners in Vladikavkaz (Russia). The 23-year old's defeat in the gold medal match at the Poland Open would prompt the 34-year-old coach and student to work harder at improving reaction times and the speed of counters. Dahiya is a product of wrestling coach Satpal Singh and the set-up at Delhi's Chhatrasal Stadium.

THE STINT with the Indian team was a shot at redemption for Reid, who was at the helm with Australia when they crashed out of the Rio Olympics in the quarterfinals with a 4-0 thrashing against the Netherlands. He has changed the team's psyche, making them less prone to

**SHAKO BENTINIDIS**  
COUNTRY: GEORGIA  
ATHLETE: BAJRANG PUNIA  
EVENT: 65KG FREESTYLE WRESTLING  
MEDAL: BRONZE



BAJRANG'S RISE to become one of the top wrestlers in the 65kg category occurred after Bentinidis took over the reins of the 26-year-old. An animated coach, Bentinidis has facilitated sparring partners for Bajrang from the United States and Russia. The wrestler from Haryana, thus, travelled across the world looking for wrestlers who can attack him with speed. The goal – to improve his leg defence, an aspect that continues to be a weakness, and his reaction times. While still not perfect, the influence of Bentinidis has led to improvements in Bajrang's arsenal and an Olympic bronze medal to boot.

making costly errors at inopportune moments. After the loss to Belgium in the semifinal, it was Reid's job to pick the team up for the bronze-medal playoff against Germany, and India gave one of their most rousing performances in a long time. Earlier in the tournament,

**RAFFAELE BERGAMASCO**  
**(HIGH PERFORMANCE DIRECTOR)**  
COUNTRY: ITALY  
ATHLETE: LOVLINA BORGOHAIN  
EVENT: WOMEN'S WELTERWEIGHT BOXING  
MEDAL: BRONZE



SON OF an Olympian, Bergamasco was a five-time national champion and took part in the Beijing, London and Rio Olympics as a coach. After guiding the Italian women's team from 2001 to 2007, he took over their senior and junior men's sides and contributed to six Olympic medals. He was let go after a barren run in Rio, and found his way to India in 2017, orchestrating the country's best ever medal haul at Youth Boxing Championships (five gold, two bronze) that November. A month later, he was promoted to high performance director for senior women.

after the 7-1 hammering against Australia, Reid ensured the team didn't panic and fought on level terms with all teams. He has toughened the team and history will record that he was in charge when India climbed the Olympic podium in hockey after a gap of 41 years.

**PARK TAE-SANG**  
COUNTRY: SOUTH KOREA  
ATHLETE: PV SINDHU  
EVENT: WOMEN'S SINGLES BADMINTON  
MEDAL: BRONZE



SINDHU'S GAME was based on strength and impressive hand speed, and she often overpowers opponents. But she needed more variety and dimensions to win consistently against the best players in the world. Enter Korean coach Park, who had chiselled into shape players like Sung Ji-Hyun, whose on-court movement had the smoothness of a swan in still water. Park not only gave Sindhu assurance in her stride, but importantly, worked long quality hours on her defence - always a target owing to her rangy frame. He would also inject confidence in Sindhu's game at the net. Where she would earlier swat at the shuttle and lift copiously to move the battle away from the forecourt, in Tokyo Sindhu expertly engaged with Akane Yamaguchi and didn't shy away from the dribbles. The smash-tap forced opponents to dig deep, and that mostly worked in the Indian's favour. Park was also animated - something Sindhu draws great energy from.

EXPRESS NEWS SERVICE

## Sporting world flattens

Reading the medal tally: Tightest race ever between Top 2, record gold-winning nations, more countries on podium



The one gold medal gap between the top two countries is the closest ever. Before Tokyo Olympics, it was at Athens 2004 that the USA with 36 gold and China with 32 gold were involved in such a tight and frenetic race. AP

their traditional strongholds like swimming (16 in Rio, 11 in Tokyo), athletics (13 in 2016 and seven now) and gymnastics (four and two). The retirement of Michael Phelps and the withdrawal of Simone Biles affected the tally. But the Americans still managed to gain new strides in other events - wrestling, shooting, golf, fencing, and the new 3x3 basketball and surfing events.

China meanwhile improved their already impressive performance in weightlifting (seven gold medals this time compared to five in Rio) while matching the seven they won in diving from five years ago. Shooting was a successful event, as they clinched four gold, compared to the solitary gold Zhang Mengxue won in the 10m air pistol event in Rio. They also tripled their gold medal in

MEDAL TALLY				
COUNTRY	G	S	B	TOTAL
1. USA	39	41	33	112
2. China	38	32	18	88
3. Japan	27	14	17	58
4. Great Britain	22	21	22	65
5. ROC	20	28	23	71
6. Australia	17	07	22	46
7. Netherlands	10	12	14	36
8. France	10	12	11	33
9. Germany	10	11	16	37
10. Italy	10	10	20	40
48. India	01	02	04	07

\*G- Gold, S- Silver, B- Bronze

swimming to three, but couldn't defend their women's volleyball title.

### New horizons

The Americans won gold in Tokyo in several events not always considered their strengths. Lee Keifer won an individual foil gold in fencing, Nevin Harrison won in canoeing while Anastasija Zolotic triumphed in taekwondo's featherweight class.

For China, gymnastics was a big success with four gold medals (including trampoline), while in Rio they failed to win a single gold medal. They also secured top spots on the podium in sports like canoeing, fencing, rowing, sailing and cycling.

### India's new high

With their best-ever tally (one gold, two silver, four bronze), India finished 48th on the table – their highest position since the 1980 Moscow Olympics which was boycotted by 66 countries because of the Soviet-Afghan War. India finished 23rd in Russia, having won just the men's hockey gold. In fact, the 48th position in Tokyo is India's best finish at any Olympics where they won more than two medals (they were ranked 26th with a gold and bronze at Helsinki 1952).

### Golden sunrise in Japan

Japan finished third – their best – in the overall medal table for the third time (after Rome 1960 and Tokyo 1964). The 58 medals

they won – 27 gold, 14 silver and 17 bronze – in 2021 make this their most successful edition. A stellar performance in judo helped the hosts in the overall ranking. In London, Japan won one gold medal in the sport and three in Rio. Over the 15 events in Judo this past fortnight, they won nine gold, two silver and a bronze.

The Japanese also dominated the new skateboarding event, winning three of the four gold medals on offer. They also maximised the return of baseball and softball to the Games' line-up, taking both gold medals.

### Different name, similar haul

Since the end of the Cold War, this was the sixth Olympic Games where 'Russia' competed as a country. But they could not use their name, flag or anthem based on International Olympic Committee (IOC) sanctions due to the country's infamous doping scandal in 2014. Instead the contingent went by the name Russian Olympic Committee (ROC). This was also the second smallest contingent from the country, 333 compared to the 282 that travelled to Rio.

In terms of total number of medals won in Tokyo, the 71 (20 gold, 28 silver and 23 bronze) put ROC third on the leaderboard. But they were fifth based on gold medals – the official standard – behind the USA, China, Japan and Great Britain.

This was a better performance from the ROC compared to the 19 golds each in London and Rio. The gold medal in the women's team gymnastics event – their first ever as Russia – made the difference.

### The Olympic 'Ashes'

A rivalry that transcends sports, Great Britain again pipped the Australians in the gold medal tally, 22 to 17 to finish fourth and sixth respectively in the overall tally, though the latter had a much better showing this time – they won just eight golds in Rio. The Australians, courtesy Ariarne Titmus' double gold over USA's Katie Ledecky, won nine golds in swimming compared to the three from Rio. Meanwhile the Brits continued dominating the cycling event like only the Brits can, winning six gold, four silver and two bronze medals just as they did five years ago.

### IRISH HERO

## Cleaner at psychiatric hospital, LGBTQ idol and now boxing champion

**SRIRAM VEERA**  
AUGUST 8

A HORSE carriage from a neighbour, the bunting from a recent funeral of a loved figure is all over her street, helium balloons from a resident, gifts from the local 'lolly-pop lady', a song recorded by neighbour – the neighbourhood in Dublin's north inner-city is waiting proudly for the return of the gold-winning Irish boxer Kellie Harrington.

When she won the semi-final bout of women's boxing lightweight event to enter the final, she plunged for the most philosophical line of our times from Lion King: "Like I said, Hakuna Matata, it means no worries." A role model for the inner-city kids, Harrington is openly lesbian, a part-time cleaner in a psychiatric hospital and someone who loves her job and the jabs.

It's a long cry from her teens when she feared she might end up in prison. "That's (prison) was a great possibility. Thankfully I didn't. There's no doubt it was the boxing

(that turned my life around). I just needed something and boxing was cheap, cheerful and there's a boxing club on every second corner in the inner city," she said in 2019. "I could never have gone to sailing or GAA or horse riding. One, my family wouldn't have had the money and two, they're not in the area. "It's nearly like a tradition in the inner city. Everyone has a family member who's boxed. For me, that was my option. Growing up, you would always see people walking around with their (kit)bags or out jogging. Ever since then I haven't looked back."

Boxing gave her gold and also a partner. She met Mandy Loughlin, who doesn't box anymore but is a coach. "She's not competitive anymore. But that's how we ended up meeting. It's a small world."

Putting smiles on people gives her the greatest joy. Like her cleaning job at the hospital, which she has held for 10 years. She used to be in the catering department before shifted to cleaning. Some patients saw it as a demotion. "Ah Jesus, Kellie" and I'll say, 'What's wrong with you? "And she'll



Ireland's Kellie Anne Harrington after her bout with Brazil's Beatriz Ferreira in the lightweight 60-kg boxing gold medal match in Tokyo. AP

say, 'I'm so sorry you got demoted'. "I'm on the deck laughing. I'm like, 'Don't worry about it, someone has to do it, it's a tough job but someone has to do it,'" she told reporters in '18. "It's a rewarding job for me. The job itself is not so great but it's the interaction. They're vulnerable people and I just like being able to go in and put a smile on their face basically."

The Irish Times has this lovely snippet from a meeting with the parents Yvonne, the mother, and Christy Harrington, the father. Here is the mother about the strange events after her daughter's win. "Two lads arrived from a newspaper and they wanted to photograph us sprinkling around holy water from Lourdes," laughed Christy. "They said no. "Then he wanted Christy to water the plants with it," said the mother Yvonne. "I think it's because I say I go out into the garden and pray when Kellie is on – as any mother would. But I'm not hugely religious: if you do a good turn for someone, that's my belief."

The father compared the thrill of watch-

ing her daughter to the famous bouts of Mohammad Ali and Jo Frazier. "I was confident watching her. You know by Kellie when she is getting into the ring when she is focused, focused, you just know she is going to give everything. It was like when we were kids, you got up to watch Muhammad Ali and Joe Frazier, except that was our Kellie."

There is a famous Dublin landmark near home with an Indian connection. The Five Lamps, at the intersection of five streets that includes Harrington's Portland Row is in honour of a general who served in India. It's claimed that the lamps symbolise five battles fought by the British in India in the 19th century. The website Dublin Live also posits that it represents the "five lamps lit for luck during the Hindu festival". Whatever be its origins, it's about to turn golden in the night to celebrate the best boxer of their neighbourhood and the world.

On the fight day, the neighbourhood congregated in masks in a common area with a big screen hoisted on a pole from a

tempo van. Dublin Live covered it live, breathlessly for over an hour. Bunting fluttered above their heads, drinks in their hands, and Irish cheers and screams of 'C'mon Kellie!' rung the air. As the seconds ticked towards the end, everyone started to scream her name. And a slight hush fell as they waited for the verdict. Raucous cheers go up as the announcer's voice went, "in the red," and an impromptu dance starts. Tears. Laughter. And all start to run along the rain-soaked street to Harrington's home. The family emerges dazed, euphoric, emotional – and more screams and tears flow.

Kellie's mother, clad in a t-shirt with her daughter's face plastered, is joyously tearful and is hoisted upon the shoulders. On a t-shirt of her grandma, the text runs, "Hakuna Matata!" and she too finds herself on shoulders. Music blares from a speaker and dance breaks out in the street. The mother then waves a homemade banner, "Kelli, Our Golden Girl ... The Olympic Champion". And someone screams, "oh what a day!"





TOKYO 2020  
CLOSING CEREMONY



Athletes from the United States walk into the Olympic Stadium for the closing ceremony.

# Japan’s flag bearer, one to watch out for in Paris

THEY ACED the debuting sports in Tokyo, and Japan have seemingly thrown down for Paris 2024 as well. One of the flag bearers for the hosts at the closing ceremony was **Ramu 'Ram' Kawai**, the 2018 youth Olympics breaking champion. As per the qualification process, the Kanagawa-born B-girl first floored the judges with a one-minute, unedited video of her performance, then won the continental qualifier in Taipei City before wind milling and head spinning her way to gold in Buenos Aires.



Last December, breaking — the competitive form of breakdancing — was confirmed as part of the final line-up for the Paris Games. And Kawai, a member of one of the most famous breaking crews in the world 'Floorioz', is earmarked to become the first female Olympic breaking champion.

## Vignettes of Tokyo for those who missed out

Just after a stunning light show, a Sunday afternoon park in Tokyo was recreated to the accompaniment of orchestral music. Just to give a representation of what Japanese people are up to in a park on Sunday. An idea germinated to give the athletes unable to get out of the village due to covid restrictions. If they and the fans (not allowed this Olympics) had stepped out to the streets, this is what they would have witnessed.

## Sombre to peppy: Contrasting ceremonies

In contrast to the sombre, almost brooding, ruminative theme is the opening ceremony, the end was immensely peppy. Orchestral bands and DJ Matsunaga, a winner of works DJ championship, strutted his stuff on the turntable. Before the Greece flag went up in honor of where it all began.

## Eiffel Tower misses out because of bad weather

The plan was to use Eiffel tower in Paris as the largest flag pole in the closing ceremony shots but due to bad weather they had to drop the plan. They did a successful rehearsal of it in June.

SRIRAM VEERA, GAURAV BHATT

### BY INVITATION

# ‘He may be an Olympic champion but I still dread sharing a room with Neeraj’

TEJASWIN SHANKAR

THIS MORNING when I was asleep, I got a video call from Wayne Lombard, a dear friend and scientific advisor of the Indian women's hockey team. I picked up Wayne Bhai's call and saw a smiling Neeraj with a medal around his neck.

I was still half-asleep and for a moment thought it was a dream. I quickly went to the bathroom and washed my face and applied some talcum powder. "Bhai tu soh raha tha na?" (You were sleeping?), Neeraj asked me. "Of course, you'll find most people asleep at six in the morning," I replied.

But I was touched. I am not an emotional person but had tears in my eyes which I tried best to hide with a little help of the powder. Neeraj took me through his throws. I was only concerned if he was okay because after the fourth throw, he seemed to be in some discomfort. I was relieved when he told me

he was fine.

He is very different from us. Imagine he has won India's first-ever athletics medal but he's telling me that he's feeling bad for (Johannes) Vetter. He's one of those persons who can never say no to you if you're his friend. I remember him telling me once that a lot of people had borrowed money from him and that he's not even cared to make a note or a list. I honestly feel he's too nice for his own good.

## Inspirational

The moment Neeraj sealed the gold, I had a rush of adrenaline and, believe it or not, I went down on the floor and did 20 push-ups. I was so pumped up that Paris 2024 was already running in my mind.

In 2016 after his Junior World Championship gold medal, I was taking a walk with Neeraj at the JSW facilities in Bellary. I asked him what he's done with all the prize money or if he's secured a govern-



Tokyo Olympics gold medallist Neeraj Chopra and high jumper Tejaswin Shankar during the Commonwealth Games in Gold Coast.

He's one of those persons who can never say no to you if you're his friend. I remember him telling me once that a lot of people had borrowed money from him and that he's not even cared to make a note or a list.

ment job. He didn't seem interested in the conversation at all and was extending his arm and doing this weird throw action. I asked him, "What are you doing? Why aren't you responding?" He replied, "You know, I can easily add another two metres if I get my block (the extension of his left leg at the point of release) right. I realised that day that money and recognition don't matter to him. He had his eyes set on just improving himself. From that day, he became a person I

looked up to.

But I think he owes me something. After his World junior medal, his Instagram got flooded with messages, especially from women. Although he wasn't interested in any of them, for courtesy's sake, he asked me to reply to them. He told me what he wanted me to write in Hindi and I would do the rest.

We even shared a room for 15 days in Bangalore. Honestly, he may be an Olympic champion now but I still dread sharing a room with him. He's a bit disorganised. If you enter his room, you'll find his clothes drying on the bed or his socks in the middle of the room. I didn't say anything to him because sharing a room with Neeraj was a huge thing for me. We bonded over fried rice and matka kulfis for the next fortnight. The only boys' talk we had was about video games. He was crazy about Mini Militia then and now he's into PubG. I'll ask him if he has a girlfriend when I meet him next time.

We spoke before the qualification round

and he just said how I knew for sure that my brother would win the gold. After the fourth round, I was on my feet shivering in nervous excitement. I have not seen PT Usha ma'am or (GS) Randhawa sir but I have seen Neeraj and I am blessed to be born in this generation.

I met Neeraj for the first time in a dope-testing room in Hyderabad back in 2015 and had no idea who he was. I was like, who is this guy with hair. We spoke and later exchanged numbers. Our real bonding happened during the 2016 South Asian Games. We both were among the youngest athletes and I was feeling a bit out of place as I didn't have any friends. I spoke to Neeraj and he told me that I belong here and like other athletes, I too have met the qualification standard to be there. That's where our friendship began and it didn't take long for it to blossom into brotherhood.

(TEJASWIN SHANKAR IS THE NATIONAL RECORD HOLDER IN MEN'S HIGH JUMP. HE SPOKE TO ANDREW AMSAN)

CURTAIN FALLS: The word Arigato, thank you in Japanese, appears on a giant screen during the closing ceremony of the Tokyo Olympics on Sunday.

# Gold for sound artists

Thousands of high-tech microphones captured every thud, swish, grunt and relayed it to millions

## EXPRESSAT OLYMPICS

MIHIR VASAVDA  
TOKYO, AUGUST 8



VIKTORIA LISTUNOVA walks up to the uneven bars. Pauses. Mutters some words. Takes a deep breath.

Latches onto the bar and twirls on it. Completes her routine, bows and walks back in an empty, silent arena. Watching it from the stands, it felt a little hollow.

But then, you watch it on the TV, and the experience transforms: when the Russian gymnast walks onto the platform, you can hear her soft, small steps. When she pauses at the edge, you can hear the words she mutters and feel the tension when she deeply inhales; and when her hands slap the wood while she performs, you can hear every thud and the flexing of the bar.

The surreal Tokyo Olympics took place in these two parallel worlds: one, inside the stadiums, where it was mostly deathly silence, and the other on the television, where the sights and sounds felt more intimate than ever before; where it almost didn't matter that the athletes were performing in front of empty stands. When it was announced that the Games would be held without spectators, owing to the pandemic, the grand fest that the Olympics is was instantly reduced to a made-for-TV event.

For Nuno Duarte and his team, this meant the challenge to make sure the emotions of the venue and the feelings of the athletes reached every living room across the world got even more thrilling.

Duarte, the senior manager, audio, of the Olympic Broadcasting Services, puts the channels of information into two brackets: moving images that we see, and the sound we hear. The latter, many think just happens. But Duarte, who has won Emmys for the sound design of the London and Rio Olympics, explains his biggest challenge: making the sport accessible to even those



Nuno Duarte, senior manager (audio) of the Olympic Broadcasting Services, at the International Broadcasting Centre in Tokyo.

who do not understand it through the sound of it. "It's the perception of emotions," Duarte tells The Indian Express.

"For example, the famous movie of (Steven) Spielberg, Shark... if you see that movie without sound, you don't have emotion or suspense. (But) Once you put the sound, all emotions change. It's the same in sport."

To generate the same emotions without the fans in the stadiums, who are an integral part of it, was a challenge. In Tokyo, the organisers tried to recreate a semblance of that atmosphere by playing fake crowd noises at some of the venues.

For Duarte, a purist, this wasn't an option for the Games' broadcast even though it practically became a norm for all matches that were held without fans.

The OBS, instead, decided to transmit what actually was happening in the stadium. "If we do synthetic or fake crowd, we are not showing what's going on in the heart of the athletes and competition," he says.

It is here, his secret 'weapons' made a difference: 3,600 microphones of 32 different models. "It's important to use correct microphones," he says, holding up his latest toy,

which shaped like a spike-protein, hung on the roof of the venues and is so small that, from a distance, it can be hard to spot it at a venue. That mic, a prototype that is being used for the first time at the Olympics, captures the ambient sounds at almost all venues, which helps in creating the 'immersive sound' experience that Duarte is excited about for these Games.

## Discreet placements

The other mics are placed discreetly, so they don't get in an athlete's face but still capture all the sounds. They are hung on the nets, submerged in sands and underwater, on the cars and underneath the carpets.

In archery, for instance, mics are placed not just near the shooting line, but they are also hidden under the carpet leading up to the target to capture the 'whoosh' of the arrow when it pierces through the air. In the pool, when the swimmers touch the wall, a production official leans over and dips a camera that has a mic attached to it so as to get the sound of what goes on underwater.

On the golf course, another production assistant walks the entire course with the golfers with a boom mic, not getting too close

to them but close enough to capture all the drama. The toughest, perhaps, is rowing where most of the action takes place in the bay, and it's not always possible to get the mic close to the rowers to capture the sound of the paddle hitting the water.

"Here, if the mics fail, then we use artificial sounds. But that's just a backup option in case something goes wrong," Duarte says. "You need to see a sport like music. All sports have a sound, and we have to capture it. The best way to capture is mics. The international federations understood the importance of the sound of the sport. So, they also allow this to get near to the athletes, to get their sound. If you have the sound, you understand the sport better."

He gives the example of skiing, where some former players told him they were able to gauge if the snow was hard or soft just by listening to the sound of the pole swooshing through it. "That way, they know if the athlete will be faster or slower than the previous one."

The mics are most essential in capturing the sound on sight. From there, it travels to an OB van that's at the venue. There, the engineers under the sea to all TV stations that have the rights to broadcast the Olympics before it is finally relayed to millions of homes.

The IBC is where all the action is in terms of the broadcast of the Games. It's located inside a funnel-shaped building by the Tokyo bay and in a tiny corner office, a supervisor, with control to audio from all venues, completes the final checks.

The sound is then synced with the video and then, it is transported through the fibre cables under the sea to all TV stations that have the rights to broadcast the Olympics before it is finally relayed to millions of homes. "That's a simple way of putting it," Duarte says. "All this happens in milliseconds to get it on air."

Sometimes, the broadcasters add fake crowd noise to their production. Like it has happened in Tokyo, in some cases, Duarte, a purist, scoffs at the mere thought of it. For him, an ideal sound of sport is basic. "The one where I close my eyes, I can feel emotions of the venue and feel of the athletes."

Many watching the Tokyo Olympics from home might have had the best seat in the house.

# Kipchoge is marathon king again

ASSOCIATED PRESS  
SAPPORO, AUGUST 8

ELIJAH KIPCHOGE just decided it was time to sprint away. Simple as that. He never really even looked back. Except near the finish, simply to see if anyone was there. Of course, no one was even close.

Kipchoge pulled away late and pretty much went for a stroll in the park — Odori Park — as the 36-year-old Kenyan defended his Olympic marathon title Sunday.

Immediately after his finish, he held up two fingers to acknowledge his back-to-back marathon titles.

Clearly, though, he's No. 1. "King," one of his fellow racers said as he walked by.

Kipchoge finished in 2 hours, 8 minutes, 38 seconds on a breezy and humid day along the streets of Sapporo. It was 80 seconds ahead of runner-up Abdi Nageeye of the Netherlands. Bashir Abdi of Belgium earned bronze to close out the track and field portion of the Tokyo Games.

This was a running clinic put on by Kipchoge, who even fist-bumped a fellow racer. Kipchoge becomes the third athlete to win multiple gold medals in the men's marathon, joining Abebe Bikila (1960, 1964) and Waldemar Cierpinski (1976, 1980).

About his reaction before making his move: "That smile is the happiness," Kipchoge said. "They say to enjoy this world is to be happy." About that late surge: "I wanted to test my fitness. I wanted to test how I'm feeling. I was feeling right."

About his legacy: "I want to be the inspiration for the next generation."

The temperature was around 77 degrees Fahrenheit (25 degrees Celsius) at the start and climbing to 84 degrees (29 degrees). The men's race stayed at the same time after the women's race was moved up an hour the day before to avoid the heat. It was humid, though, at around 81% as the runners wound their way through Sapporo, about 500 miles north of Tokyo. The race was moved to escape the extreme heat.

