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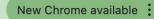


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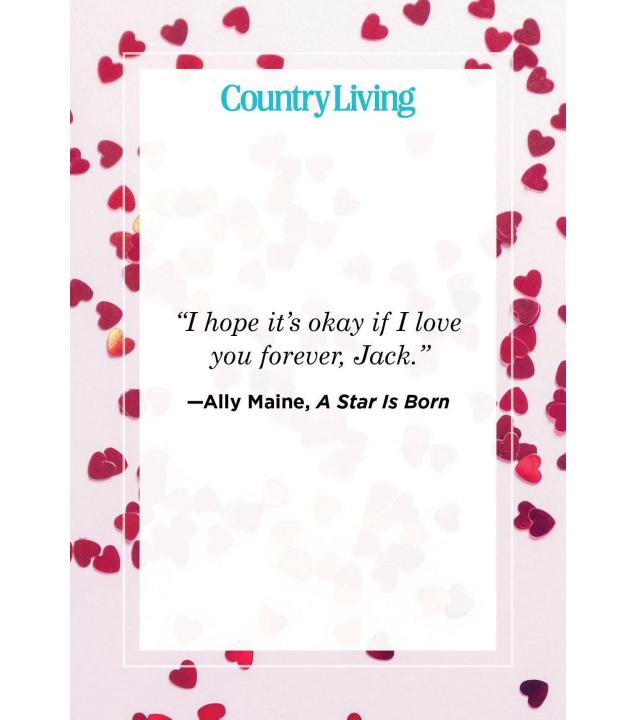


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Tungabhadra dam gate repair begins STATES » PAGE 3





CM calls for survey to reorganise districts NEWS > PAGE 4

Disinformation. Al and cyber chakravyuh There is a growing danger of digital threats



Net direct tax kitty surges by 22.5% **BUSINESS » PAGE 12**

INSIDE



Minorities issue being used to 'defame nation'

NEW DELHT

Ruiss on Monday said that a aign was being run acros were not safe in India. He

20 Afghan Sikhs gets citizenship under CAA

Twenty Sikhs from Alghanistan, part of the first group of Afghan Sikhs who had applied for citizenship online nearly 100 days ago, have been (CAA), 2019 in the past one week in New Delhi. ** PAGE 4

SC declines plea against decision to hold fresh NET

Iran could launch 'significant' attack this week: U.S.

WASHINGTON Iran could faunch a "significant" attack on Israel a soon as this week, the White House said on Monday. "We have to be prepared for what could be a significant set of attacks," National Security

Cloud over SEBI chief: BJP rejects JPC probe

It alleges 'wider conspiracy' between Congress, Hindenburg Research to 'destabilise economy' and 'crash the stock marker'; Congress threatens nationwide protest if demand is not met; Congress urges Supreme Court to transfer the probe against Adami group to the CBI or a special investigation team given the likelihood that SEBI is compromised

he Bharatiya Janata Party (BJF) and the Congress on Mon-day continued to spar over Hindenburg Research's al-Hindenburg Research's al-legations against Securities and Exchange Board of In-dia (SEBI) Chairperson Madhabi Puri Buch, with the ruling party rejecting the Opposition demand for a Joint Parliamentary Com-

Mr. Prasad said billionaire George Soros is an in-vestor in Hinderburg and is known to be "running propaganda against the go-vernment led by Prime Mi-

rendra Modi" "It is obvious that Him-denburg is in the same game... the pathological harred of the Congress lea-dership against the Prime Minister has developed in-to a harred against India it-self," Mr. Prasad soid, ad-ding that the report was "fictitious". "It is obvious that Him-

government afraid of a JPC? Doesn't it imply that there is something to hide and be afraid of?

Why is the

which has ruled the coun-try for 55 years?" Mr. Pra-

the Upposition definited Sec.

The BIF alleged that the
Congress was part of a

fig Hindenburg Research
and "a tool kir" gang to

Toom Raj"

Toom Capital

Control Raj"

Control Raj

Contr

Stock markets remain calm

Lalatendu Mishra

Contrary to fears of a massive fall owing to the publication of the Hindenburg Research

compromised?.

"The SESI chairperson, responsible for regulating the stock market, ensuring in credibility and taking in credibility and taking in credibility and taking in credibility? he added. On Sururday, Hindenber ed by has investments in shell companies (associated with Adam Group), How both the spire such a serious allegation, Ms. Buch restor, "Congress general secretary (organisation), K. C. Venugopal said in The Prime Minister's articles all goodly used by those of Adam's group vision," Congress general secretary (organisation), K. C. Venugopal said in The Prime Minister's affaid of a JPC?"

Record low

benchmark stock indices. on Monday ended range-bound.

"Doesn't it imply that there is something to hide and be afraid of," he asked,

that a critical investigation, likely regarding whether Adam violated Rule 19A relating to minimum public shareholding, remains incomplete, he added.
"The fact is that SEBI's

delayed the publication of its findings for over a year. This delay conveniently at-lowed the Prime Minister to make an entire gener-

Adieu Paris



Statistical effects pulled inflation to 59-month low of 3.54% in July

Vikas Dhoot

Inflation in India's consum r prices cooled dramati-ally from 5.1% in June to catty from 5.1% in June to an almost five-year low of 3.54% in July, with food price rise moderating to a 13-month low of 5.4% from

price rise imboordance on a six-mouth high of 9.4% a month earlier. However, this fixed from less that the most of the six of the si

India's retail inflation slid to nearly five-year low of

Jan. 2020 5.9% compared with 4.6% in urban areas. In June, ru-ral food inflation was lower at 9.15% while urban food prices rose to 9.6%. July's inflation pace is not only the slowest re-corded since September 2019, but also marks the first time since then that it

median target pursued by the Reserve Bank of India (RBI) in its monetary policy framework. With the RBI raising its inflation pro-RBI raising its inflation pro-jection for the July to Sep-tember quarter to 4.4% at its latest monetary policy review hist week, price rise is expected to regain mo-mentum over this month and next.

has dropped below the 4%

and mext.

Vegetables inflation recoorded the biggest drop in

6.8% in July from 25.2% in

June. While the Statistics
and Programme Implephasised that July clocked

phasised that July clocked

a decline in all groups of

the Corsumer Price Index,

getables, fruits and spices

sub-groups, economists

points remain.

IIT-Madras retains top spot in NIRF ranking for sixth consecutive year

The Hindu Bureau

best educational institushows the overall ranking based on parameters iden-tified and defined in the National Institutional Ranking Framework

In the 2024 rankings, re-leased here by Union Edu-cation Minister Dharmers dra Pradhan on Monday, the BT-Madras also re-tained the first position in engineering for the ninth year since 2016. The Indian Institute of Science, Benga-luru is the top institution

since 2016 and 2021,

respectively.
The ranks were given in The Indian Institute of 16 categories this year, Technology, Madras is the three more than last year. Open universities, skill universities and State public universities are the three new categories. Mr. Prad-han said the Ministry is considering "sustainabili-ty" as a criterion, probably

from next year.
While the IIM-Ahmeda-bad continued to be the

Top institutions in India

Partiks.	Oversili	Top universities.	State universities
1	IIIT-Madicas	IrSc, Bengaluru	Arms University
2	HSc, Bengsturu	Jawahartal Nebru University	Jadavpur University
3	IIT-Bombay	Jamia Milia Islamia	Savitribal Phule Universit
-8	IIT Delhi	MANE, Manipul	Calicutta University
5	BT-Kanpur	Banaras Hindu University	Punjab University
- 6.	HT-Kharagpur	University of Dethi	Oursania Deiversity
T	Alles, Debi	Amrita Vishwa Vidyapoetham	Andhra University
-8	HT-Roorkee	Aligarh Huston University	Sharathiar University
9	IIT-Guwahati	Jadayper University	Rerata University
10	JMU	Vellers Institute of Technology	CUSKT

sity, Chennai tops the State public universities catego-ry and Indira Gandhi National Open University (IG-NOU). New Delhi is the best open university. Sym-biosis Skill and Profession-Increased participation

al University, Pune emerged the best in the skill universities category. Jawaharlal Nehru Un-iversity and Jamia Millia Isspecific or dons While the IBM Ahmedia Southwest of the Consecutive year since 2000. The Indian Southwest of the Consecutive year since 2000. The Indian Southwest of the Southw

A total of 6,517 institution participated in the ranking under overall, categoryrankings. "In all, 10,845 ap-plications for ranking were

research institution sub-ject.

Fresh draft Broadcasting leges category. IITs in Ma- Bill likely after dras and Delhi secured se-cond and third places in review: govt.

The Hindu Bureau

Broadcasting Ministry on Monday extended the time the draft Broadcastin





IIT-Madras retains top spot in NIRF ranking for sixth consecutive year

The Hindu Bureau

NEW DELHI

The Indian Institute of Technology, Madras is the best educational institution in the country for the sixth time since 2019, shows the overall ranking based on parameters identified and defined in the National Institutional Ranking Framework (NIRF).

In the 2024 rankings, released here by Union Education Minister Dharmendra Pradhan on Monday, the IIT-Madras also retained the first position in engineering for the ninth year since 2016. The Indian Institute of Science, Bengaluru is the top institution under both the universities and research categories, retaining both positions since 2016 and 2021, respectively.

The ranks were given in 16 categories this year, three more than last year. Open universities, skill universities and State public universities are the three new categories. Mr. Pradhan said the Ministry is considering "sustainability" as a criterion, probably from next year.

While the IIM-Ahmedabad continued to be the top management institute for the fifth consecutive year since 2020, the All India Institute of Medical Sciences (AIIMS), New Delhi is the best place to study medical sciences as it retained the top spot for the seventh consecutive year.

The IIT-Bombay is the best 'innovational institution' followed by the IIT-

Top institutions in India

The table shows the top 10 overall institutions and Central and State universities, according to India Rankings, 2024. IIT-Madras secured the top spot in overall category

Ranks	Overall	Top universities	State universities
1	IIT-Madras	IISc, Bengaluru	Anna University
2	IISc, Bengaluru	Jawaharlal Nehru University	Jadavpur University
3	IIT-Bombay	Jamia Millia Islamia	Savitribai Phule University
4	IIT-Delhi	MAHE, Manipal	Calcutta University
5	IIT-Kanpur	Banaras Hindu University	Punjab University
6	IIT-Kharagpur	University of Delhi	Osmania University
7	AIIMS, Delhi	Amrita Vishwa Vidyapeetham	Andhra University
8	IIT-Roorkee	Aligarh Muslim University	Bharathiar University
9	IIT-Guwahati	Jadavpur University	Kerala University
10	JNU	Vellore Institute of Technology	CUSAT



Madras, and IIT-Delhi.

Jamia Hamdard, New Delhi is the best college for pharmacy, while Saveetha Institute of Medical and Technical Sciences, Chennai is the best college to pursue dental science.

Colleges from New Delhi

remained at the top in the colleges category with Hindu College and Miranda House being the top two. The IIT-Roorkee retained its first position in architecture and planning for the fourth consecutive year. The National Law School of

India University, Bengaluru was named the best law school, for the seventh year in a row.

The Indian Agricultural Research Institute, New Delhi is the best institution to study agriculture and allied sectors, according to the rankings. Anna University, Chennai tops the State public universities category and Indira Gandhi National Open University (IGNOU), New Delhi is the best open university. Symbiosis Skill and Professional University, Pune emerged the best in the skill universities category.

Jawaharlal Nehru University and Jamia Millia Islamia, both in New Delhi, have secured the second and third ranks in the university category. Jadavpur University, Kolkata and Savitribai Phule Pune University, Pune are the second and third best universities under State public universities category. St. Stephen's College, New Delhi and Ramakrishna Mission Vidyamandira, Howrah shared third place in colleges category. IITs in Madras and Delhi secured second and third places in research institution subject.

Increased participation

A total of 6,517 institutions participated in the ranking under overall, category-specific or domain-specific rankings. "In all, 10,845 applications for ranking were made by these 6,517 unique institutions under various categories/domains," the Ministry said in a release, highlighting a "noticeable increase" in institutional participation in the rankings exercise.

Mr. Pradhan said the Centre is considering inclusion of institutions in the neighbouring countries in the ranking to make it more comprehensive.





IIT-Madras Ranking

Retained top spot in NIRF ranking for the sixth consecutive year.

IIT-Madras is the best educational institution in India since 2019.

Retained first position in engineering category for the ninth year since 2016

2024 NIRF Rankings

Rankings released by Union Education Minister Dharmendra Pradhan.

IIT-Madras topped overall and engineering categories.

IISc Bengaluru:

Topped the universities and research categories.

New Categories Introduced:

• Open universities, skill universities, and state public universities.

Consideration for Next Year:

"Sustainability" as a criterion in rankings.

Тор	Top Institutions in Specific Categories	
Тор	IIM-Ahmedabad: Top management institute for the fifth consecutive year.	
Place	AIIMS, New Delhi: Best place to study medical sciences for the seventh consecutive year.	
Best	IIT-Bombay: Best 'innovational institution.'	
Best	Jamia Hamdard, New Delhi: Best college for pharmacy.	
Best	Saveetha Institute of Medical and Technical Sciences, Chennai: Best college for dental science.	
Best	India Agricultural Research Institute, New Delhi: Best institution for agriculture and allied sectors.	
Law	National Law School of India University, Bengaluru: Best law school for the seventh year.	

Increased Participation

6,517 institutions participated in 2024 rankings.

Total of 10,845 applications for rankings across various categories.

Highlighted by Ministry as a "noticeable increase" in institutional participation.

Consideration to include institutions from neighboring countries in the rankings for comprehensiveness.

Best Universities by Category

State Public Universities: Anna University, Chennai.

Open University: Indira Gandhi National Open University (IGNOU), New Delhi.

Skill University: Symbiosis Skill and Professional University, Pune.

Top Universities:

- Jadavpur University, Kolkata
- Savitribai Phule Pune University, Pune
- Jawaharlal Nehru University (JNU), New Delhi

- Consider the following statements regarding the National Institutional Ranking Framework (NIRF)
 2024:
- 1. IIT-Madras has retained the top position in the overall NIRF rankings for the sixth consecutive year.
- 2. The Indian Institute of Science (IISc) Bengaluru has topped both the universities and research categories.
- 3. AIIMS, New Delhi, has been ranked the best place to study medical sciences for the tenth consecutive year.
- Which of the above statements is/are correct?
- Answer:
- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) 1, 2, and 3

INDIA'S TOP 5

	2024	2023
Overall		
IIT Madras	1	1
IISc Bengaluru	2	2
IIT Bombay	3	4
IIT Delhi	4	3
IIT Kanpur	5	5

Universities

IISc Bengaluru	1	1
JNU	2	2
Jamia Millia Islamia	3	3
Manipal Academy of Higher Education	4	6
BHU	5	5

	2024	2023
Engineering		
IIT Madras	1	1
IIT Delhi	2	2
IIT Bombay	3	3
IIT Kanpur	4	4
IIT Kharagpur	5	6

Medical

AIIMS Delhi	1	1
PGIMER Chandigarh	2	2
CMC, Vellore	3	3
NIMHANS Bangalore	4	4
JIPMER Puducherry	5	5

Adieu Paris



Flag bearers: Manu Bhaker and P.R. Sreejesh led the Indian contingent at the closing ceremony of the Paris Olympics on Monday. Los Angeles will host the 2028 edition of the Games. ANI (REPORT ON: PAGE 16)

India at the 2024 Summer Olympics



Flag of India

IOC code IND

NOC Indian Olympic Committee

Website olympic.ind.in ∠

in Paris, France

26 July 2024 – 11 August 2024

Competitors 110 in 16 sports

Flag bearers P. V. Sindhu and Sharath Kamal

(opening)

Flag bearers Manu Bhaker and P. R. Sreejesh

(closing)

MedalsGoldSilverBronzeTotalRanked 71st0156

India at the Olympics



Flag of India

IOC code IND

NOC Indian Olympic Association

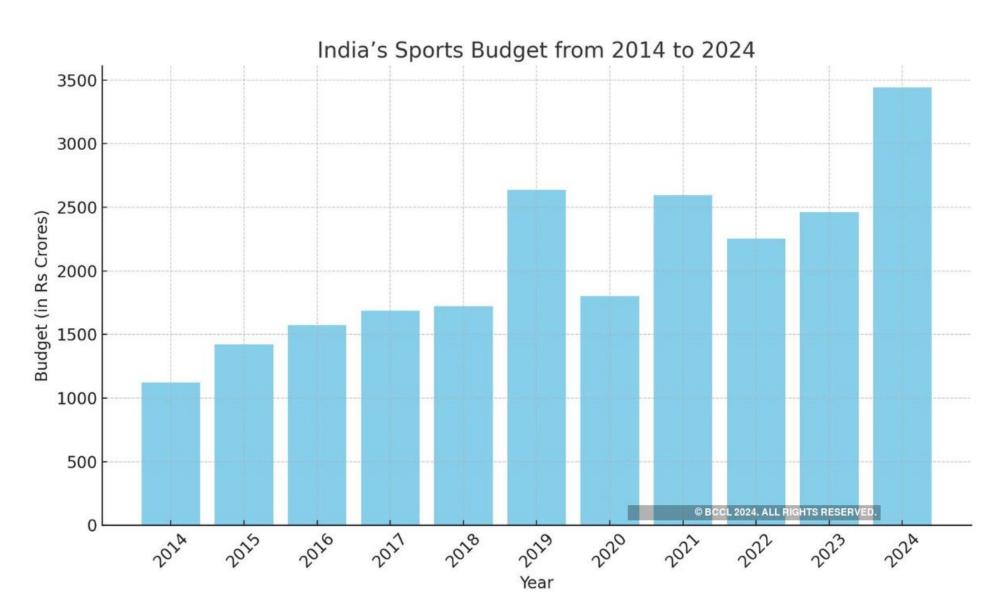
Website olympic.ind.in ☑

Medals Ranked 58th Gold Silver 10

Bronze 21

Total 41





Rooted in the Soviet model, the Chinese system relies on the state to scout tens of thousands of children for full-time training at more than 2,000 government-run sports schools.

To maximize its golden harvest,
Beijing has focused on less
prominent sports that are
underfunded in the West or
sports that offer multiple
Olympic gold medals.

It's no coincidence that nearly 75 percent of the Olympic golds China has won since 1984 are in just six sports: table tennis, shooting, diving, <u>badminton</u>, gymnastics and weight lifting.

More than two-thirds of China's golds have come courtesy of female champions, and nearly 70 percent of its Tokyo delegation are women.

It's no coincidence that nearly 75 percent of the Olympic golds China has won since 1984 are in just six sports: table tennis, shooting, diving, <u>badminton</u>, gymnastics and weight lifting.

More than two-thirds of China's golds have come courtesy of

female champions, and nearly 70 percent of its Tokyo

delegation are women.

POPULATION-TO-MEDAL RATIO OF INDIAN STATES

(PARIS OLYMPICS 2024)

India Medals

6

Individual Medals

5

Team Medal(s)
in Hockey

1

States	8 Medals	2 Population	Population Per Medal
Haryana	4	28 м	7 м
Maharashtra	1	125 м	125 м

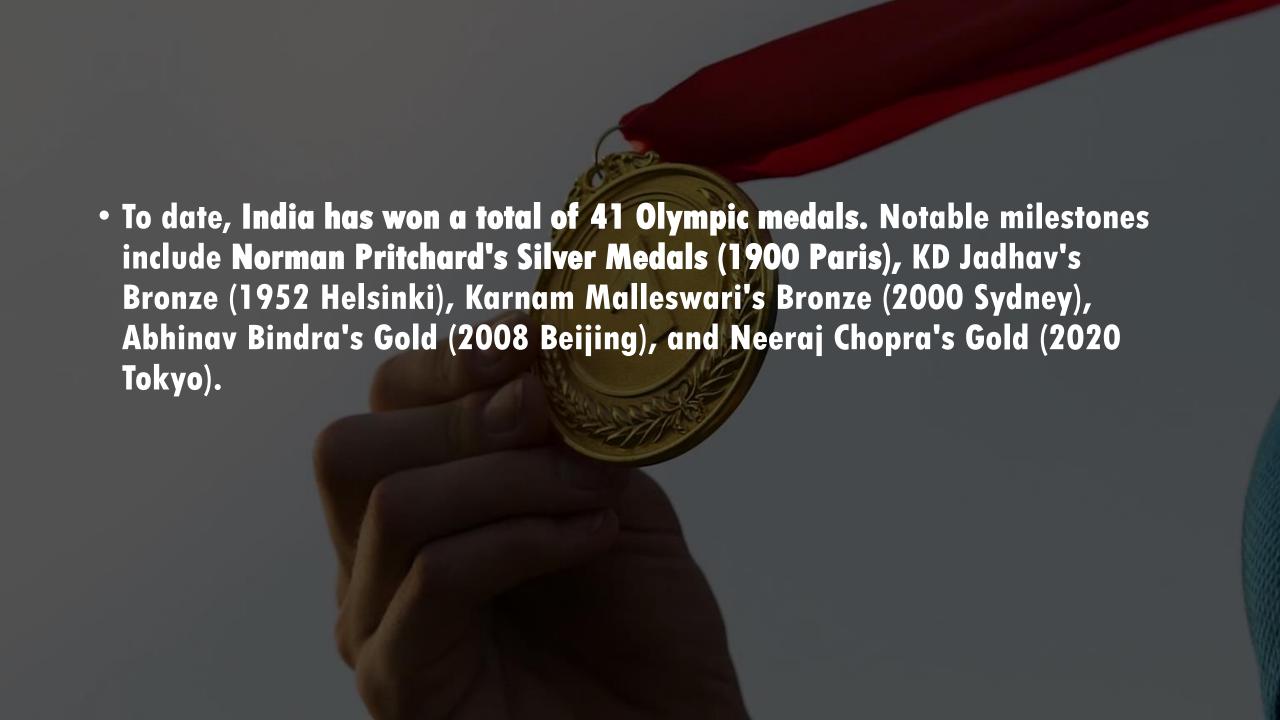
POPULATION-TO-MEDAL RATIO (PARIS OLYMPICS 2024)

Country	X Medals	2 Population	Population Per Medal
India	6	1.45 B	241.67 м
China	91	1.42 B	15.6 м
US	126	332 м	2.64 м
Brazil	20	203 м	10.15 м
Kenya	11	55.65 м	4.44 M



Indian Medal Winners at Paris Olympics 2024

Indian athletes	Medal	Event
Manu Bhaker	Bronze	Women's 10m air pistol event
Manu Bhaker and Sarabjot Singh	Bronze	10m air pistol mixed team event
Swapnil Kusale	Bronze	Men's 50m rifle 3 positions
Indian hockey team	Bronze	Men's hockey
Neeraj Chopra	Bronze	Men's Javelin Throw
Aman Sehrawat	Bronze	Wrestling Men's 57kg freestyle event



 Men's Hockey has won 13 medals, including eight golds, and Wrestling has won eight medals. India's best-ever Olympic performance was at Tokyo 2020, with seven medals, including one gold. India's second-best performance was in the 2012 London Olympics when it won six medals(two silver and four bronze).

- Why India Struggles to Secure Olympic Medals?
- Talent Identification:
- Infrastructure and Resources
- Cricket's Dominance
- Insufficient Sports Policies:
- Long-term Development:
- Corruption and Politics in Sports Administration
- Absence of a Sports Culture

- Consider the following statements in respect of the Laureus World Sports Award which was instituted in the year 2000: (2021)
- 1. American golfer Tiger Woods was the first winner of this award.
- 2. The award was received mostly by 'Formula One' players so far.
- 3. Roger Federer received this award maximum number of times compared to others.
- Which of the above statements are correct?
- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3



SP names six in-charges for U.P. Assembly byelections

Samaiwadi Party on Monday announced its Samajwadi Party on Monday announced Its in-changes for six out of IO Assembly seats in Uttar Pradesh where byelections are to be held the Pradesh where byelections are to be held Singh Yadaw Wil be in-change of Katehari seat, Palzabad Wil Awadhesh Prasad and Leder of Cader of Park Pradesh Prasad and Park William Park Pradesh Prasad and Park William Park Pradesh Prasad and Park William Park Pradesh Prasad American William Pradesh Prasad Pradesh Prasad Pradesh William Pradesh Prasad Pradesh Prasad Pradesh William Pradesh Prasad Pradesh William Pradesh Prasad Pradesh William Pradesh Pradesh Pradesh William Pradesh Pradesh Prasad Pradesh William Pradesh Pradesh Pradesh Pradesh William Pradesh Pradesh Pradesh Pradesh William Pradesh Pradesh Pradesh William Pradesh Pradesh Pradesh William Pradesh Pradesh Pradesh William Pradesh Pradesh Pradesh William Pradesh Pradesh William Pradesh Pradesh William Pradesh Opposition in U.P. Legislative Council Lal Bihari Yadav will be in-charge of Milkipur seat, a senior SP leader said. MP Virendra Singh has been given charge of Mailtwa seat, ex-Minister Chandradey charge of Majiwa sear, ex-Minister Chaincradev Yadav will be in-charge of Karhal, MLA Indraject Saroj will be in-charge of Phulpur seat and MLA Rajendra Kumar will be in-charge of Sishamau seat, he said. pn

Women Sakhi workers stage protest over their demands

Demanding status of government employee and salary, hundreds of women from Uttar Pradesh working under the BC Sakhi (Banking Correspondent) Yojna held a protest in Lucknow on Monday. They were detained when they tried to storm the U.P. Assembly. The women workers alleged that the U.P. government is organising different events to mark the Independence Day but silent on rightful demands of the needy people. The police first tried to stop the march which started from Charbagh, but when the

MNS, Sena (UBT) attempt to defuse tensions after attack on Uddhav and Raj's convoys

Raj appeals to his cadre to exercise restraint after cow dung, coconuts, tomatoes were hurled at Uddhav's car in Thane: Raut distances his party from attack on MNS chief's motorcade in Beed

ays after the con-voys of estranged cousins Uddhav Thackeray and Raj Thacke-ray came under attack, leaders of their respective Chia Sona (UBT) parties - Shiv Sena (UBT) and Maharashtra Navnir-man Sena (MNS) - have sought to defuse escalating tensions ahead of the Maha pealed to its cadre to exercise restraint.

A group of MNS workers

had allegedly targeted Mr. Uddhav's convoy in Thane Uddnav's convoy in Thane with cow dung, coconuts, and tomatoes on Saturday evening, a day after betel nuts (supari) were huried at the motorcade of Mr. Raj in Beed following allegations that he took a 'supari (con-tract)' to go solo in the up-coming election. While coming election. While eight people were booked in connection with the at-tack on Mr. Raj's vehicle, about 40 MNS workers



Uddhav and Raj Thackeray have had strained ties after the latter quit the undivided Shiv Sena in 2006. FEE PHOTO

'One should ensure that such tension-building incidents are prevented. Politics means clash of views, not creating hurdles in oth-ers' journeys," Mr. Raj said, appealing to MNS workers to restrain themselves from such retaliatory attacks. He also urged them to channel their energy towards resolv-ing the problems faced by The MNS chief said his

cadre gave a "befitting rep-ly" as the Sena (UBT) leaders had failed to discourage their workers from indulging in such acts

'Bid to mislead' Meanwhile, Sena (UBT) leader Sanjay Raut disleader Sanjay Raut dis-tanced the party from the actions of those detained in Beed and took a dig at the MNS and the BJP. "Ahmad Shah Abdali of Delhi has given you the 'supari' to do this [attack on Uddhav's carl to spread anarchy. You are being used and made to do this. They are trying to mislead people with the As-sembly poll nearing," Mr. Raut said. After Union Home Minis-

Will support Centre if it extends quota to Marathas: Pawar

Snehal Mutha

Under pressure from Ma-ratha reservation protes-ters over clearing his stand, Nationalist Congress Party (Sharadchandra Pa on Monday said he will on Monday said he will back the Centre if it de-cides to extend quota be-nefits to the community by going beyond the 50% ceil-ing. "The power to cross the 50% ceiling on reserva-tion lies with Prime Minister Narendra Modi's go and if it decides to extend munity, I will support the move," he said, putting the

ball in the Centre's court. On Sunday, protesters had stopped Mr. Pawar's convoy in Solapur's Barshi town, waved black flags town, waved black flags and raised slogans in sup-port of quota activist Ma-noj Jarange-Patil. Follow-ing this, Maratha Kranti Thok Morcha co-ordinator Ramesh Kere Patil led a 'Ja-wab Do' protest in front of Mr. Pawar's house in Pune

on Monday. Mr. Patil slammed the ruling Mahayuti alliance as well as the Opposition Ma-ha Vikas Aghadi for 'using'



Sharad Pawar

sue for their political gain sue for their political gains.
"If parties don't clear their
stance, we will boycott the
Assembly election," he
said while extending support to Mr. Jarange-Patil's
Maratha
reservation
demand.
Mr. Parties

also urged Chief Minister Eknath Shinde to conduct an all-party meeting and invite Mr. Jarange-Patil and Others People of Change (OBC) leaders such as Chhagan Bhuibal to dis cuss the reservation issue

Legal complexities
"All political parties ir
Maharashtra should come
together and urge the
Centre for removal of the cap. If the policy is changed, the Opposition

Rajasthan govt. under fire for lack of clarity over Disaster Relief Minister's resignation

The Hindu Bureau

The Opposition Congress in Rajasthan on Monday criticised the Bharatiya Janata Party (BJP) govern-ment over the lack of clarion Disaster Minister Kirodi Lal Meena's

No decision vet

Mr. Meena, 72, a veteran tribal leader, had tendered his resignation last month. his resignation last month, taking responsibility for the BJP's disappointing performance in the 2024 Lok Sabha election in the State, and the defeat at four of the seven seats put under his charge. The par



tance of his papers.

While Mr. Meena has refused to withdraw his resignation and stopped attanding his office. tending his office, Congress leader and form-er Chief Minister Ashok Gehlot said it was unfortu-Gehlot said it was unfortu-nate that the public did not know during the disaster situation whether Mr. Mee-na was in office or his resig-nation had been accepted.

Lal Sharma needs to clarify the situation so that proper for relief and rescue opera-tions. Such a state of confu-sion in difficult circum-stances amounts to deceit with the people of the State," Mr. Gehlot said in a

Public vow before poll oning for the Chief Minis-ter's post after the BJP's victory in the 2023 State Assembly election, but the party high command se-lected first-time MIA Mr. Sharma for the position. The septuagenarian BJP leader said he had opted to oning for the Chief Minis step down as a Minister because of his public vow be-

assault on children'

The Hindu Bureau

be initiated against a wo-man for committing the of-fence of "penetrative sex-ual assault" on a child, the Delhi High Court has said noting that the offence is not restricted to only men The court made the ob-

"aggravated penetrative sexual assault" could not be made out against her.

The public prosecutor had contended that the POCSO Act is a gender-neu-

tral legislation and holds

perpetrators, regardless of their gender, accountable

The court made the ob-servation on August 9 while hearing a plea by an accused in a case lodged under the Protection of Children from Sexual Of-fences (POCSO) Act. The accused had argued that since she was a woman. the offences of "penetra-tive sexual assault" and

cause of his public vow be-fore the poll.

Besides disaster man-agement and relief, Mr.
Meena holds agriculture, rural development, and public grievances portfolios as the Cabinet Minister. A five-time MLA, he is also

er under Section 370 (traf-

for sexual offences against

Agreeing with it, the Bench of Justice Anup Jai-ram Bhambhani said the POCSO Act was enacted to protect children from sexual offences "regardless of whether an offence is committed upon a child by a man or a woman".

"There is no reason why
the word person appearing
in Section 3 of the POCSO
Act should be read as referring only to a male," the
court said.

The court held that the
word "he" appearing in
the POCSO Act cannot be
signed. "There is no reason why

given a restrictive mean given a restrictive mean-ing, to say that it refers on-ly to a "male". "It must be given its intended mean-ing, namely that it includes within its ambit any offen-der interpretative of their gender," it said, adding that the petitioner can be put to trial for the offences as

ficking with sustained ef-

forts. Six months ago, he came up with the idea of

founding a school for his Bhil community in Pachh-mata, as the only upper

"Over time, these chil-

POINTS means clash of views, not

ter Amit Shah described Mr.

Uddhav as the chief of the 'Aurangzeb fan club', the

Sena (UBT) chief on August

3 called him the "politica heir" of 18th-century Af

'power jihad' by splitting

political outfits to form his

Mr. Raut also took a

party's own government.

swine at Chief Minister Ek

nath Shinde, who termed

nath Shinde, who termed the attack on Mr. Uddhav a "reaction to an action", without naming him. "We have already clarified that the party has nothing to do with the (Beed) attack. Still,

if anyone wants to term the

what the real reaction is,"

onfused. We will show

attack in Thane as a 'rea

creating hurdles in

RAJTHACKERAY

Troubling trend
This impassioned plea comes from a teachers' body in Jashpur district of Chhattisgarh, as the State grappies with a troubling trend: an increasing num-

a registered body that counts nearly one lakh teachers as its members -says they issued the appeal says they issued the appeal last week taking note of the rising number of such

On August 7, Romanus school in Jashpur's Farsa created a ruckus. A video created a ruckus. A video that went viral showed him engaged in a heated argu-ment with a fellow teacher. He was suspended subse-quently. In July, one such case was reported in Kabirdham district.

FIR registered FIR registered Similarly in Bilaspur, the vi-deo of an assistant teacher drinking alcohol in a prim-ary school had gone viral in March which also led to the registration of an FIR. In Jashpur itself, there was another alleged incident in which a teacher and his

brother had both gone the school intoxicated. It is alleged that the inebriated brother had assaulted a Class V student for merely asking him the time and ddressing him as 'Bhaiya' a common way of address

'Mahua very common' Ramprakash Pandey, a la-wyer cum social activist from Jashpur, says there is also the question of easy availability of alcohol. "In the tribal areas, mahua liquor is easily made and stored. The excise law provide some exemption

'Mahua very common'

courages consumption."

Manish Mishra, the
State president of the
teachers' federation, says appeals in other areas as

'Women can be tried | Teachers' federation issues for penetrative sexual appeal not to come to school drunk after one case too many

Shubhomov Sikdar

education is our religion, and when it comes to religion and temple, consum ing alcohol within those li mits is a sin. I request that no teacher should come to school drunk from today

ber of incidents where ber of incidents where teachers have reported to duty under the influence of alcohol. Ajay Gupta, the president of the Jashpur unit of the Chhartisgarh Sa-hayak Shikshak/Samagra Shikshak Federation [Char-tische].

tisgarh Assistant Teachers/ All Teachers Federation] -

regular schools or colleges as needed. A teacher, who

comes every day from the nearby Basanta villages, takes care of the children

'Peacock curry recipe' lands YouTuber from Telangana in a soup

Press Trust of India

against a You'Tuber for al-

Home raided

upon receiving informa-tion that a man posted a vi-deo on his channel on ho-to cook peacock curry, team of forest officials reached Tangallapalli vii-down.

The curry sample has forensic analysis and investigation is on. A case has been filed against the man

lage and recovered the cur-ry from the man's house. The curry sample has been sent to a lab for forensic

Video taken down

Rescued bonded labourer sets up school for underprivileged

Mohammed Igbal

Having emerged as a role model for the tribal com-munity, a survivor of bond-ed labour and trafficking has established a community school for underprivileged children in his native

village in Rajasthan's Rajsa-The school is catering to The school is catering to children in the age group of 4 to 16 years who have been deprived of the bene-fits of a formal education

Khemraj Gameti, who supervises the school's functioning from a build-ing of the Pachhmata vilwas forced to work be-cause of Mr. Gameti's faiwhich he had borrowed from the brick kiln's owner to repay some of his debts.
Mr. Gameti and some

exploited at the kiln, situat ed in Kunwariya village, working for 18 hours a day and not paid the pre-The children's job was to

Rescued after raid Even after years of work, the owner said the advance was not paid off and did not allow the family to leave the kiln under the threat of violence, Mr. Ga-

making 1,500 bricks a day.

meti and the family mem-bers were rescued in a raid

school in Rajasthan's Rajsamand district. SPECIAL ARRANGEMENT conducted by the Sub-Divi-

sional Magistrate and the police in April 2016, when a total of 24 persons were saved from the bonded labour at the site. ries) Act. bour at the site.

The State government issued 13 release certificates to the adult labourers after an inquiry and booked the brick kiln own-

dian Penal Code, the Bonded Labour System (Abolition) Act, and the SC

asking them to combat traf

before. He established the school with the help of Udaipur-based Gavatri Se va Sansthan as part of its Shikshalaya Project. As many as 30 children from the Bhil community study in the school, with Mr. Gagenerating awareness about bonded labour meti acting as a supervisor among the villagers and for the project.

as a group, giving them les-sons and clarifying their away from the village and is not easily accessible. doubts," Mr. Gameti said. The children are a happy lot, as they are getting edu Project supervisor
Mr. Gameti told The Hindu
that he conducted a survey
in the village to understand
the requirements of underprivileged children who
had never been to school cation for the first time Gayarri Seva Sansthan's Director Shailendra Pan-dya said the innovative Shikshalaya Project was fa-cilitating the overall deve-lopment of children in the

targeted villages of four tri-bal-dominated districts in southern Rajasthan, where there was no basic facility there was no basic facility even for primary educa-tion. A total of 304 com-munity schools are at pre-sent functioning in Rajsamand, Udaipur, Salumbar and Pratapgarh

against a YouTuber for al-legedly uploading a video on 'peacock curry recipe' on his channel, in Telanga-na's Rajanna Sircilla dis-trict. The YouTuber, appa-rently to garner more views for his channel, resorted to the act, a forest official said, based on preliminary investigation.

'Women can be tried for penetrative sexual assault on children'

The Hindu Bureau

NEW DELHI

Criminal proceedings can be initiated against a woman for committing the offence of "penetrative sexual assault" on a child, the Delhi High Court has said noting that the offence is not restricted to only men.

The court made the observation on August 9 while hearing a plea by an accused in a case lodged under the Protection of Children from Sexual Offences (POCSO) Act. The accused had argued that since she was a woman, the offences of "penetrative sexual assault" and "aggravated penetrative sexual assault" could not be made out against her.

The public prosecutor had contended that the POCSO Act is a gender-neutral legislation and holds perpetrators, regardless of their gender, accountable for sexual offences against minors.

Agreeing with it, the Bench of Justice Anup Jairam Bhambhani said the POCSO Act was enacted to protect children from sexual offences "regardless of whether an offence is committed upon a child by a man or a woman".

"There is no reason why
the word person appearing
in Section 3 of the POCSO
Act should be read as r
ring only to a male,"
court said.

Raj's

The court held that word "he" appearing in the POCSO Act cannot be given a restrictive meaning, to say that it refers only to a "male". "It must be given its intended meaning, namely that it includes within its ambit any offender irrespective of their gender," it said, adding that the petitioner can be put to trial for the offences as charged.

International Conventions on Child Rights

The Geneva Declaration of the Rights of the Child (1924)

The Declaration listed 5 principles directed toward the development of children. However, these principles
considered children as an object of protection, instead of holders of rights. The Declaration did not put any
obligation on the member States.

Declaration of the Rights of the Child (1959)

 It was adopted by the UNGA in 1959. The Declaration recognised the need for the protection of children against all forms of neglect, cruelty and exploitation.

International Covenant on Economic, Social and Cultural Rights (ICESCR) (1966)

Article 10 recognised that children and young persons should be protected from economic and social exploitation.
 Employment of children in work harmful to their health, life or likely to hamper their normal development should be punishable by law.

United Nations Convention on the Rights of the Child (CRC) (1990)

It was adopted by UNGA in 1989 and entered into force in 1990. It offered a legally binding instrument that
recognised children's rights. It established a Committee on the Rights of the Child to monitor the progress of the
member States in realising the goals envisioned by CRC. It recognised State parties' obligation to protect children
from all forms of sexual abuse and exploitation.

+

O

POCSO Act came into effect on 14th November 2012 which was enacted in consequence to India's ratification of the UN Convention on the Rights of the Child in 1992. The aim of this special law is to address offences of sexual exploitation and sexual abuse of children, which were either not specifically defined or in adequately penalised.

- The Act defines a child as any person below the age of 18 years.
- The Act provides punishment as per the gravity of offence.
- The Act was further reviewed and amended in 2019 to Introduce more stringent punishment including the death penalty for Committing sexual crimes on children, with a view to deter the perpetrators & prevent such crimes against children.

- What are the Initiatives to Curb Child Abuse?
- Child Abuse Prevention and Investigation Unit
- Beti Bachao Beti Padhao
- The Juvenile Justice (Care and Protection of Children) Act, 2015
- Child Marriage Prohibition Act (2006)
- Child Labour Prohibition and Regulation Act, 2016
- POCSO Courts under Special Fast Track Courts.

JESDAY, AUGUST 13, 2024, NEW DELHI, LATE CITY, 20 PAGES

UNDER FIRE FOR 'OVERREACH'

Facing criticism, **Govt withdraws** new draft of broadcast Bill

Draft expands remit to include social media accounts, content creators

SOUMYARENDRA BARIK

d Broadcasting is learnt to we withdrawn the new draft oadcasting Services egulation) Bill, 2024, which nent's powers to regulate it.

Last month, the ministry had hared the new draft Bill with a andful of stakeholders and in-

At least three sources, includned to The Indian Express



THE NEW draft Bill faced criticism for including in-dependent online news creators within its ambit

return their copies of the draft Bill, said sources.

The ministry is expected to go back to the drawing board and work on a new proposal, said sources.
The ministry did not respond

to requests for a comment on the issue. But, in a statement posted on X at night, the ministry CONTINUED ON PAGE 2



Doctor's rape-murder: Protests swell, CM sets cops a deadline

in its OPD. IN SEVERAL other cities, resident doctors held candlelight vigils. In Maharashtra, resident

ATRIMITRA KOLKATA, AUGUST 12

DOCTORS' PROTESTS over the rape and murder of a junior doc-tor at a state-run medical college in Kolkata intensified on Monday evening after the principal of the medical college, who had resigned earlier in the day, was immediately deputed to an-

was immediately deputed to another institution in the city.
Earlier in the day, West
Bengal Chief Minister Mamata
Banerjee said that if the state police are unable to solve the case
by Sunday, it would be handed

was found dead in a seminar hall at RG Kar Medical College and Hospital in Kolkata on Friday, sending shockwaves through the state and prompting a protest by doctors at several hos-PROTESTS SPREAD RESIDENT DOCTORS in Delhi Monday joined the strike, affecting services at several hospitals. pitals. Police have arrested a civic AIIMS Delhi saw a 20% reduction in registratio volunteer, Sanjay Roy, in connec-tion with the case.

The Chief Minister on Monday met the family of the doctor, and later told reporters: "We are trying our best to solve the case. I don't know how this type of incident can happen at a hospital. Police are giving utmost importance to the investigation. If there are more accused, and all

ATTACKS MAINLY IN BANGLADESH RURAL, BORDER AREAS After five years, retail inflation falls below 4%

5 dead, 200 incidents: Fear grips Hindus, leaders meet Yunus today Police in hiding, their absence gives attackers a free run



HUBHAJIT ROY

AUGUST 5, Gopal songshi, who runs Manda emacy in Dhaka, was at the when he saw visuals of



— to 3.54% in July AANCHAL MAGAZINE months as prices of vegetables, cereals and pulses have stayed consistently elevated. On a month-on-month basis, how-ever, the Consumer Price Index (combined), on which retail in-AFTER REMAINING above the 4

ears, retail inflation slipped to a 9-month low of 3.54 per cent flation is based, gained momen-tum across the categories of food, clothing, housing and the in July mainly due to a high base effect, data released by the National Statistical Office (NSO) showed Monday. The last time retail inflation rate was below the 4 per cent mark — akey level in the 4+/- 2 per cent band of medium-term inflation target

analysts, retail inflation is ex-pected to breach the 4 per cent period of the folial control of the food inflation. Data released separately showed the country's factory output for June, as measured by the Index of Industrial month low of 4.2 per cent, mainly due to a slower growth in manufacturing output.

As Opp seeks JPC probe, BJP hits back: Fictitious report, bid to destabilise markets

Concerned person, regulator have made their statements, nothing further to be added by Govt: Finance Ministry

COUNTERING ALLEGATIONS by Group, the BJP Monday rejected the Opposition's demand for a

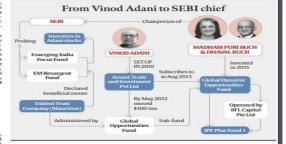
Joint Patriativementy Commence (JPC) probe. At a press conference held at the BJP headquarters, senior party leader and former Union minister Ravi Shankar Prasad stammed the Congress demand

GOVT & POLITICS

WILL LAUNCH STIRIF NOT MET: CONGRESS

for a JPC probe, accusing the Opposition party of "seeking for-eign help to discredit (and)

Congress) will say JPC. They will belittle India's investors. The will belittle India's stock market That is their game. The JPC de mand is a sham," Prasad said. In its first official reaction to



Fund Buch couple invested in part of structure under Sebi probe

JAYMAZOOMDAR & SANDEEP SINGH NEW DELHI, MUMBAI, AUG 12

Information from multiple sources, including corporate records accessed by The Indian Express, the consortium of Organized Crime and Corruption Reporting Project (OCCRP) and additional information made

rident Trust Compani CONTINUED ON PAGE 1:



To match Paris 2024, Los Angeles faces Mission Impossible



om Cruise at the Olympics closing ceremony. Reuters



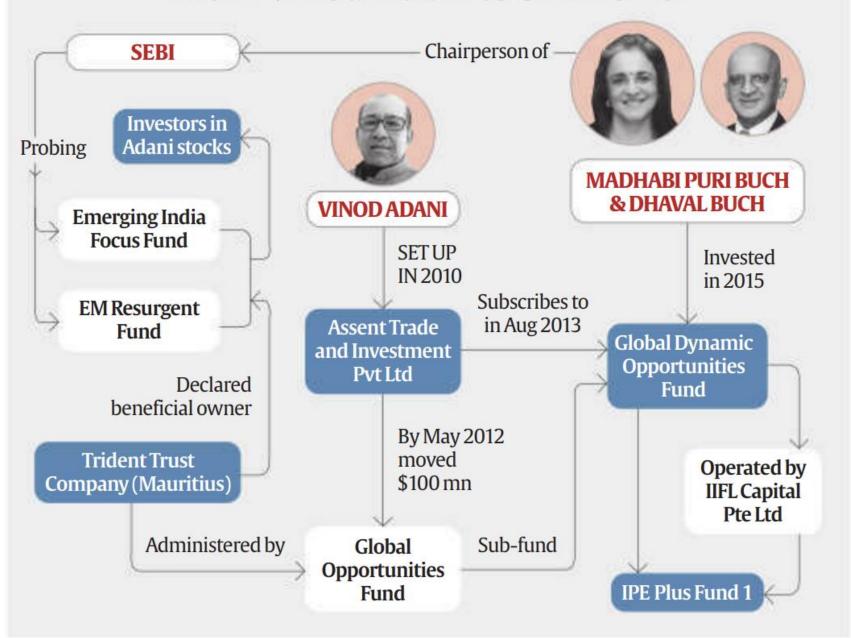
IIHIR VASAVDA

OM CRUISE abseils from the





From Vinod Adani to SEBI chief



TO BE UK FIRM'S LARGEST SHAREHOLDER

Bharti Global to acquire 24.5% in Britain's BT Group for around \$4 bn

JATIN GROVER

NEW DELHI, AUGUST 12

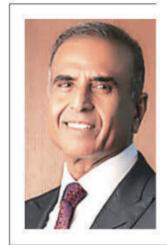
BHARTI GLOBAL, the international investment arm of Bharti Enterprises, will acquire a 24.5 per cent stake in BT Group, Britain's largest broadband and mobile company, from Altice UK.

Though Bharti did not disclose the transaction size, the deal at the current market price is likely to be valued around \$4 billion (Rs 31,850 crore), making it one of the biggest outbound deals struck by an Indian company.

Bharti Enterprises chairman Sunil Bharti Mittal said that though growth in fully-developed economies like the UK is very small at around 1-2 per cent a year, revenues are pretty large — \$25 billion in current revenue and \$10 billion in Ebitda.

"I think it's a very attractive buy. In the UK, we have many companies that are trading at low multiples. So, given the cash flows from BT, we believe it's going to be a good and a long-term investment," Mittal said.

"As far as BT's businesses are concerned, out of a revenue of \$25 billion, around \$9-10 billion is through enterprise, but it is the top mobile provider in



At this stage, we are not asking for a board seat. We got into the company through a public block and the seller also didn't have any board seat ... I think I can add a tremendous amount of value within and outside the board.

SUNIL BHARTI MITTAL

CHAIRMAN, BHARTI ENTERPRISES

the UK under the EE brand," Mittal said.

He said that BT covers around 30 million homes on fibre broadband. "They have home broadband, they have wholesale fiber open reach, they have mobile and they have enterprise. So, this is exactly like Airtel. And if you look at Airtel, the revenue and Ebitda are mirror images. We provide all the similar services that we do in India and they do in the UK," Mittal said, explaining the rationale behind the stake purchase.

He made it clear that Bharti Airtel has nothing to do with the deal. "Airtel has not made this move. This is an investment from Bharti Enterprises. However, best practice sharing can always take place given the common shareholder on both sides. But Airtel at the moment is not engaged in this particular process of seeking any technology or any help from BT," Mittal said.

The way the deal is structured is that shares will be purchased through Bharti Televentures UK, a company established and wholly-owned by Bharti Global. Bharti Televentures UK has entered into a binding agreement with Altice UK to acquire a 9.99 per cent stake of BT Group and issued capital imminently with the balance 14.51 per cent to be

following the receipt of applicable regulatory clearances

acquired following the receipt

of applicable regulatory clear-

BINDING PACT

WITH ALTICE UK

■ Bharti Televentures

UK has entered into a

acquire a 9.99% stake

capital imminently

14.51% to be acquired

with the balance

of BT Group and issued

binding agreement

with Altice UK to

Bharti has no immediate plan of buying out the rest of BT, and has not asked for a board seat. "At this stage, we are not asking for a board seat. We got into the company through a public block and the seller also didn't have any board seat. For me, I think I can add a tremendous amount of value within and outside the board. It will be probably in the future sometime if this particular issue needs to be ad-

dressed," Mittal said. On whether Bharti Airtel is also looking at any overseas acquisition, he said that Airtel has been busy building India and it will probably be focused on the country for the next 2-3 years on missions that are still to be completed in terms of more 5G, gaps of 4G, more fiber being rolled out, FWA, enterprise

business and data centres.

"Airtel has its hands full. In 2-3 years' time, Airtel's cash profile looks pretty strong to us and at that point of time, based on what the board decides with large cash flows and India's capex becoming smaller, there could be an opportunity for Airtel to go global," Mittal said.

Bharti and BT have a relationship going back more than two decades. In 1997, BT acquired a 21 per cent stake in Bharti Airtel, which it sold in 2001.

Timotheus Höttges, chief executive of Deutsche Telecom, which owns 12 per cent of BT Group, described Bharti Global's stake purchase as a positive step. "We have a long and good working relationship with Bharti. So, we are looking forward to working together with Bharti and the board of directors for the sake of BT shareholders and customers," Höttges said.

Reacting to the development, commerce minister Piyush Goyal said the deal is a "testimony to the growing strength of India". FE

Bharti Global's Acquisition

- Bharti Global, the investment arm of Bharti Enterprises, to acquire a 24.5% stake in Britain's BT Group.
- The acquisition is valued at approximately \$4 billion (₹31,850 crore).
- This deal makes Bharti one of the largest outbound deals by an Indian company.

Details of the Deal

- Bharti Global has entered into a binding agreement with Altice UK.
- The initial acquisition involves a 9.99% stake in BT Group.
- The remaining 14.51% stake will be acquired after regulatory clearances.
- Bharti does not intend to seek a board seat with BT Group.

Strategic Importance

- Sunil Bharti Mittal, Chairman of Bharti Enterprises, highlights the strategic importance of this acquisition.
- The UK market has a smaller growth rate but offers high revenue opportunities.
- BT Group generates around \$25 billion in revenue and \$10 billion in profit annually.
- Bharti sees this as a long-term investment with potential for growth in the UK market.

Operational and Market Synergies

- Bharti identifies similarities between the operations of Airtel and BT in broadband and mobile services.
- BT owns 30 million homes on fiber broadband and has a broad wholesale fiber open reach, with strong mobile and enterprise segments.
- Bharti intends to add value without directly engaging in BT's operations or seeking help from BT.

Future Outlook

- Bharti's immediate focus remains on India, particularly completing 5G rollout, 4G gap closure, and expanding fiber coverage.
- Bharti may consider a global opportunity for Airtel as the Indian market stabilizes.
- Bharti's relationship with BT dates back over two decades, with Bharti previously holding a stake in BT's mobile arm, Airtel.

- Consider the following statements regarding Bharti Global's acquisition of a stake in Britain's BT Group:
- 1. Bharti Global is set to acquire a 24.5% stake in BT Group, making it one of the largest outbound deals by an Indian company.
- 2. The acquisition deal is valued at approximately \$2 billion.
- 3. Bharti Global plans to seek a board seat in BT Group as part of the acquisition agreement.
- Which of the above statements is/are correct?
- a) 1 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 2 and 3 only

China test-flies biggest civilian cargo drone as low altitude economy takes off

REUTERS

BEIJING, AUGUST 12

CHINA FLEW its biggest-yet unmanned cargo aircraft designed for civilian use, as the world's top drone-making nation steps up test flights of autonomous aerial vehicles (UAVs) that could ultimately ferry everything from takeouts to people.

Packing a payload capacity of 2 metric tonnes, the twin-engine aircraft took off on Sunday on an inaugural flight, state media said, citing developer Sichuan Tengden Sci-tech Innovation Co, for a trip of about 20 minutes in southwestern Sichuan province.

China's civilian drone makers are testing larger payloads as the government pushes to build a low-altitude economy, with the aviation regulator seeing a 2-trillion-yuan (\$279-billion) industry by 2030, for a four-fold expansion from 2023.

With a wingspan of 16.1 m (52.8 ft) and a height of 4.6 m (15 ft), the aircraft, built entirely by government-funded Tengden, is slightly larger than the world's most popular light aircraft, the four-seat Cessna 172.

Tengden's test flight followed the maiden flight in June of HH-100, a cargo drone developed by Aviation Industry Corp of China (AVIC) with payload ca-



An unmanned cargo aircraft developed by Sichuan Tengden Sci-tech Innovation takes part in a maiden flight at an airport in Zigong, China. Reuters

pacity of 700 kg (1,543 pounds) and a flight radius of 520 km (323 miles).

Next year, AVIC plans to test its biggest cargo drone, the TP2000, which can carry up to 2 tons of cargo a distance of 2,000 km (1,243 miles). In a report this year, the government identified the low-altitude economy as a new growth engine for the first time, with vertical mobility seen as a "new productive force" in areas such as passenger transport and cargo deliveries.

In April, aviation authorities issued a production certificate to UAV maker EHang Holdings,

based in the southern city of Guangzhou, for its passengercarrying drone, China's first such document for an autonomous passenger drone.

A month later, cargo drone firm Phoenix Wings, part of delivery giant SF Express, started delivering fresh fruit from the island province of Hainan to southern Guangdong, using Fengzhou-90 drones developed by SF, a unit of S.F. Holding. By 2023, China had more than 2,000 enterprises engaged in the design or manufacture of UAVs, led by privately held DJI, the world's largest drone maker.

China's Civilian Cargo Drone Test Flight

China conducted a test flight for its largest unmanned cargo aircraft designed for civilian use.

The aircraft, developed by Sichuan Tengden Sci-tech Innovation Co., took off from southwestern Sichuan province.

The test flight lasted about 20 minutes.

Drone Specifications

- The twin-engine aircraft has a payload capacity of 2 metric tonnes.
- Dimensions: Wingspan of 16.1 meters (52.8 feet) and a height of 4.6 meters (15 feet).
- The drone is larger than the Cessna 172, the world's most popular light aircraft.
- Completely government-funded and designed for future expansion.

China's Low-Altitude Economy Push

- The government is pushing for a low-altitude economy with an expected expansion to a \$279 billion industry by 2030.
- A new growth engine for the low-altitude economy has been identified, especially in areas like passenger transport and cargo deliveries.
- Over 2,000 enterprises in China are involved in UAV development or manufacture.

Future Plans and Developments

The Aviation Industry Corp of China (AVIC) is planning to test an even larger cargo drone, the TP2000, in 2024, capable of carrying up to 20 tonnes.

The government is promoting the development of autonomous aerial vehicles (AAVs) as a significant force in transportation.

EHang Holdings and Phoenix Wings have also made significant strides in the UAV sector.

Industry Growth and Expansion

The Civil Aviation Administration of China issued its first production certificate to EHang Holdings for a passenger-carrying drone.

In 2023, UAV delivery services, like SF Express's Fengzhou-90 drones, began transporting fresh produce within China.

The industry is poised for significant growth, with a focus on urban mobility and cargo solutions.

- Consider the following statements regarding China's development of civilian cargo drones:
- 1. The largest unmanned civilian cargo aircraft in China has a payload capacity of 2 metric tonnes and is developed by Sichuan Tengden Sci-tech Innovation Co.
- 2. The Chinese government aims to expand its low-altitude economy to a \$279 billion industry by 2030.
- 3. The TP2000, China's largest planned cargo drone, is set to carry up to 5 tonnes of cargo over a distance of 2,000 km.
- Which of the above statements is/are correct?
- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) 1, 2, and 3

World Biofuels Day 2024

Recently, World Biofuel Day was observed on 10th August 2024. It aims to raise awareness about non-fossil fuels as sustainable energy alternatives and to highlight government initiatives that support the biofuel industry.

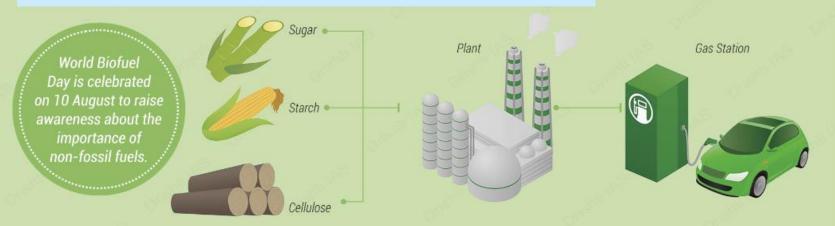
The day also commemorates the successful operation of an engine on peanut oil by German engineer Sir Rudolf Diesel on 9th August 1893.

About Ethanol

- None of the principal biofuels
- Also called ethyl alcohol (C2H5OH)

Produced

- Naturally by fermentation of sugar (or corn, rice etc)
- № By petrochemical processes (ethylene hydration)



Ethanol Blending

Blending ethanol with petrol to burn less fossil fuel while running vehicles.

Blending Target

- 20% ethanol blending in petrol (E20) by 2025
 - Currently, ethanol makes up 10% of the petrol used in vehicles.

Significance

- Reduce oil imports
- Equivalent efficiency at a lower cost than petrol
- Burns completely and cleaner than petrol
- Ethanol produced from farm residue to boost farmers' income

Challenges in Success

- High land requirement for sugarcane (+ consequent food prices issue)
- High water requirement of biofuel crops

Related Initiatives

- Roadmap for Ethanol Blending in India (Report by NITI Aayog) (2021)
- E100 Pilot Project (Network for production and distribution of ethanol) (2021)
- Pradhan Mantri JI-VAN Yojana (to boost 2G ethanol projects) (2019)
- The National Policy on Biofuels (2018)

What are Biofuels?

About:

- Biofuels are the fuel derived from the biomass of plants or animal wastes.
- It is commonly produced from corn, sugarcane and animal waste like cow dung.
- These come under renewable sources of energy.

- Significance:
- Environmental Benefits
- Energy Security
- Economic Benefits

Generations of Biofuels

First Generation

- Derived from edible plants grown on arable land.
- Ethanol and butanol produced via yeast fermentation.
- Crops include wheat, sugar cane, and oily seeds.
- Attributed as a potential reason for recent spike in food prices.
- Net energy negative.

Second Generation

- Produced from nonedible crops grown on non-arable land.
- Sources have high lignocellulosic content, which include wood and organic waste.
- Potential to be net energy positive.

Third Generation

- Produced from algae and other microorganisms.
- Resilient organisms that can be grown from sunlight, CO₂ and brackish water.
- Does not use arable land.
- Fastest growing of all biofuel sources.
- Potentially carbon neutral

Fourth Generation

- Genetic engineering of organisms for efficient production of biofuels.
- Includes altering lipid characteristics and introducing lipid excretion pathways.
- Aim to be carbon negative by creating artificial carbon sinks.



Given below are the names of four energy crops. Which one of them can be cultivated for ethanol? (2010)



- (a) Jatropha
- (b) Maize
- (c) Pongamia
- (d) Sunflower



- According to India's National Policy on Biofuels, which of the following can be used as raw materials for the production of biofuels? (2020)
- 1. Cassava
- 2. Damaged wheat grains
- 3. Groundnut seeds
- 4. Horse gram
- 5. Rotten potatoes
- 6. Sugar beet
- Select the correct answer using the code given below:
- (a) 1, 2, 5 and 6 only
 - **(b)** 1, 3, 4 and 6 only
 - (c) 2, 3, 4 and 5 only
 - (d) 1, 2, 3, 4, 5 and 6

Timor-Leste
Bestows Top
Civilian Honor on
President Murmu

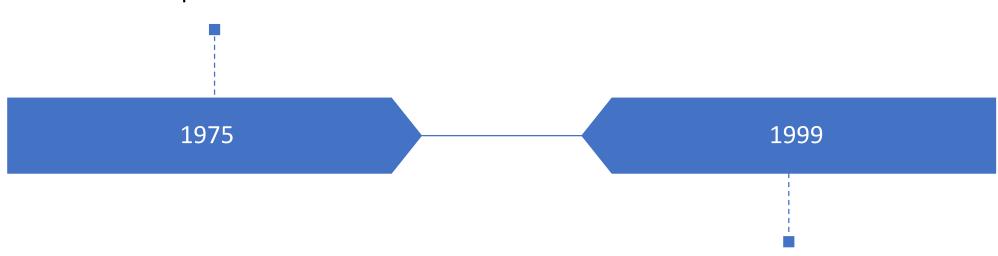


 Recently, President Horta of Timor-Leste awarded President Droupadi Murmu the Grand-Collar of the Order of Timor-Leste, recognizing her contributions to public service, education, and women's empowerment.

• President Murmu and Prime Minister Gusmão observed the signing of three MoUs covering Cultural Exchanges, the collaboration between Prasar Bharati and Timor-Leste Radio & Television (RTTL), and visa exemptions for diplomatic, official, and service passports.



East Timor, colonised by Portugal in the 18th century, was annexed by Indonesia in 1975 after Portugal withdrew, leading to a long struggle for independence.



In a 1999 UN-supervised referendum, East Timorese voted for independence, which led to further violence until peace-keeping forces intervened, and the country was officially recognized by the UN in 2002.



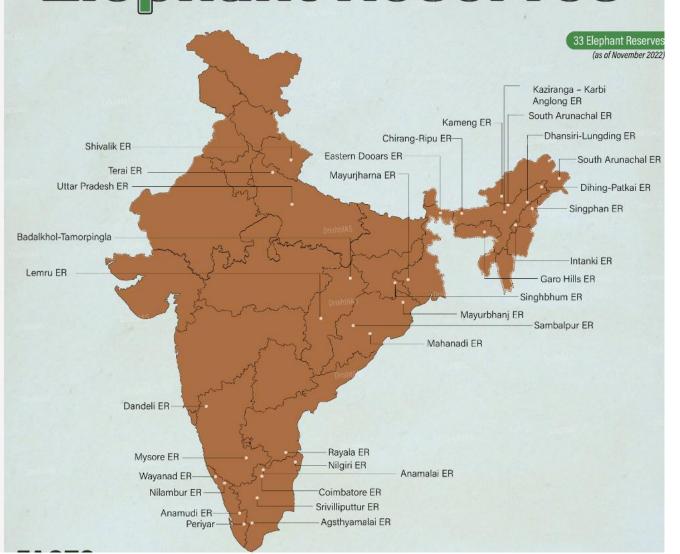
The theme for 2024 is "Personifying prehistoric beauty, theological relevance, and environmental importance".

India is home to about **60**% of the world's Asian elephant population, with an estimated 27,312 individuals as per the 2017 census and 138 identified **elephant corridors**.

Elephants have a gestation period of about 22 months, the longest of any land animal.

Asian elephants(Indian) are classified as Endangered on the IUCN Red List due to habitat loss, human-elephant conflict, and poaching.

Elephant Reserves





Panthera Leo Persica

Features

- Asiatic lions are slightly smaller than African lions.
- The most striking morphological character, which is always seen in Asiatic lions, and rarely in African lions, is a longitudinal fold of skin running along its belly.

Habitat

At present Gir National Park and Wildlife Sanctuary (Gujarat) is the only abode of the Asiatic lion.

Protection Status

- Endangered: IUCN Red List
- Appendix I: CITES
- Schedule I: Indian Wildlife (Protection) Act 1972

Threats

- Human Animal Conflict
- Poaching
- Genetic Inbreeding
- Diseases such as plague, canine distemper

Conservation Efforts

- Asiatic Lion Conservation Project
- Project Lion
- World Lion Day (10th August)

Scientific Name: Panthera leo persica

Weight: Male: 150-250 kg

Female: 120-180 kg

Length (head and body): Male: 1.7-2.5 m

Female: 1.4-1.75 m

Birth Interval: 18-26 Months

Typical Diet: Carnivorous

Lifespan: 16-18 Years





- Lions live in large groups called prides.
- Male lions can weigh over 500 pounds and grow up to eight feet in length.
- Known as the "King of the Jungle," lions live in grasslands and plains, not jungles.
- Female lions and their sisters live together for life, while males stay
 with the pride until they reach maturity.
- A lion's roar can be heard from up to five miles away.
- Lions spend about 20 hours a day resting or sleeping.
- Male lions patrol their territories regularly.
- Lions prefer to hunt at night, making it easier to catch prey.

Nankai Trough

Recently, Japan issued its first-ever 'megaquake advisory' of strong shaking and large tsunamis on the Nankai Trough, a subduction zone.

It is an **underwater subduction zone**, is characterised by subduction of multiple geological units of the **Philippine Sea Plate** (the Kyushu-Palau Ridge, the Shikoku Basin, the Kinan Seamount Chain, and the Izu-Bonin Arc) **beneath the Eurasian Plate** in the southwest of Japan.

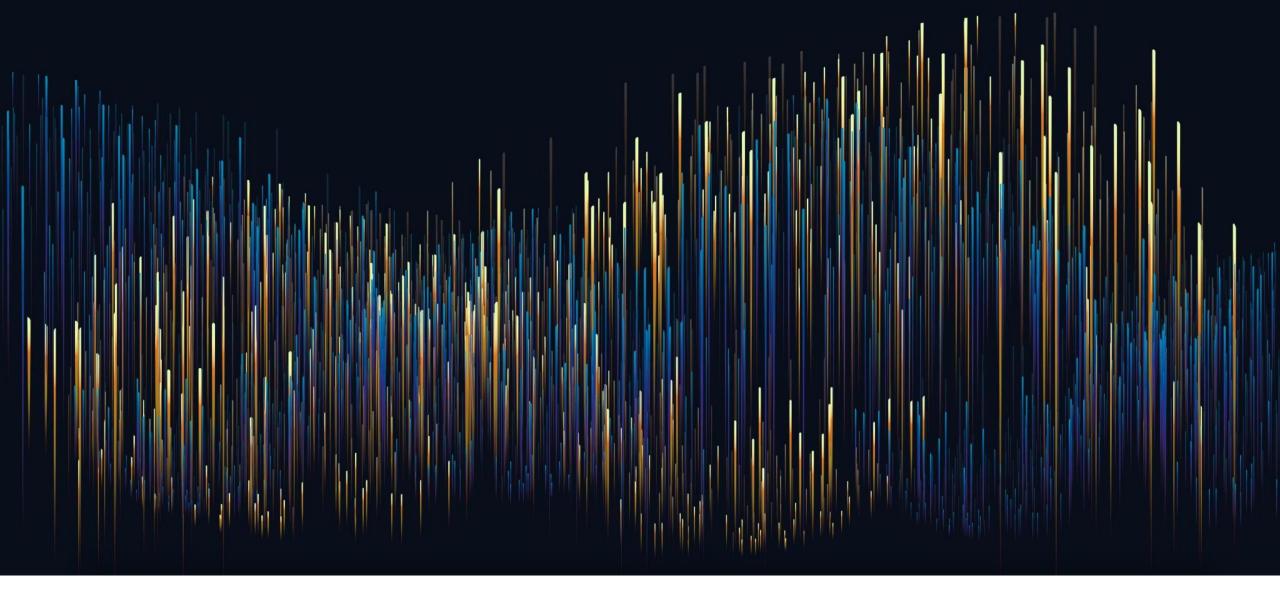
• It accumulates tectonic stress which can cause a megaquake — an earthquake with a magnitude larger than 8.



Nankai Trough has a **history of producing such megaquakes** roughly every 100 to 150 years. They **often come in pairs.**

• The **second quake**, following the first, tends to rupture within the subsequent two years. The last '**twin**' earthquakes occurred back in 1944 and 1946.

Japan is a country used to earthquakes. It sits on the Ring of Fire and, as a result, experiences about 1,500 earthquakes a year.



Exercise Udara Shakti

• The Indian Air Force (IAF) contingent returned to India after successfully participating in the **Exercise Udara Shakti** 2024.

About

- The joint air exercise was conducted in collaboration with the Royal Malaysian Air Force (RMAF) at Kuantan, Malaysia.
- The primary focus of the exercise was to bolster operational efficiency and enhance the technical expertise of both air forces.



Movie
Laapataa
Ladies
Screened at
Supreme
Court

- Kiran Rao's film Laapataa Ladies was screened at the Supreme Court of India recently.
- Laapataa Ladies, set in 2001, follows the story of two brides swapped in a train.
- <u>Laapataa</u> Ladies explores several ethical aspects through its narrative, including:

- **1.** Gender Equality: The film addresses the issues of gender roles and expectations in society, challenging traditional norms and advocating for equality between men and women.
- 2. Human Rights: The storyline highlights the basic rights of individuals, particularly women, emphasizing their right to make choices about their lives and bodies.
- 3. Social Justice: The film sheds light on the marginalization and exploitation of women, urging for a more just and fair society where everyone has equal opportunities.

<u>Cultural Sensitivity</u>: By setting the story in a fictitious state, the film draws attention to the <u>cultural nuances and the ethical treatment</u> of individuals within different societal structures.

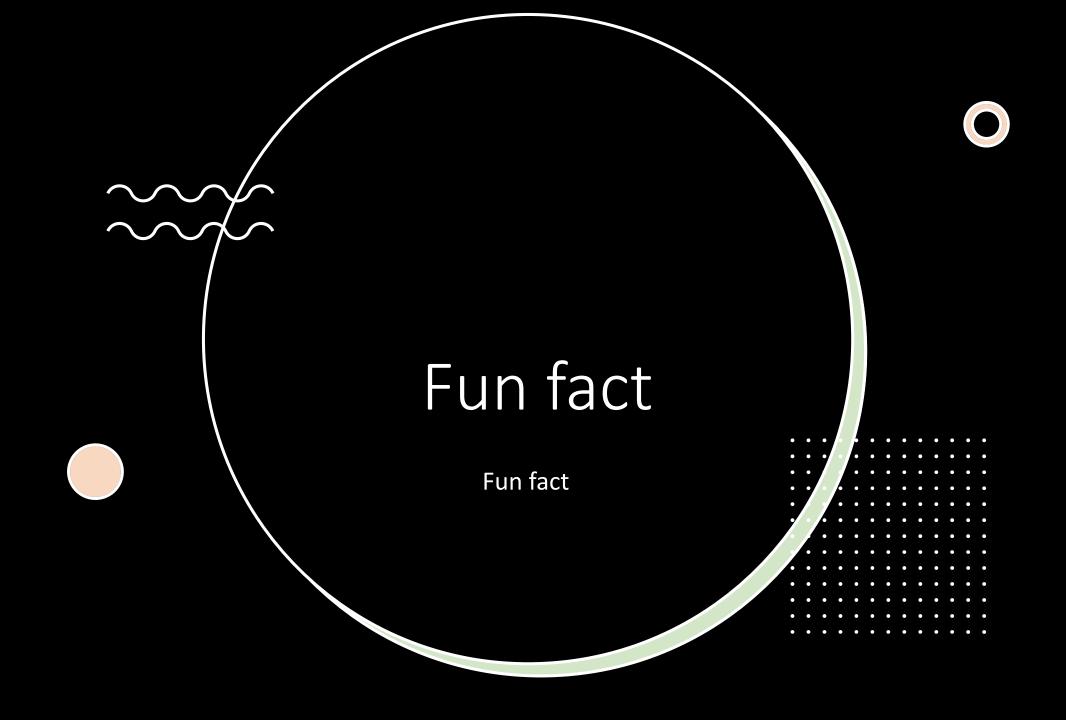
Moral Responsibility: The characters in the film face moral dilemmas, particularly in dealing with the consequences of the bride swap, raising questions about responsibility and ethical decision-making.

Empathy and Compassion: The narrative encourages viewers to empathize with the characters' situations, promoting understanding and compassion for those facing challenging circumstances.

<u>Individual Autonomy</u>: The film touches on the importance of personal autonomy and the right to self-determination, especially for women in a patriarchal society.

Ameliorate (verb)

Definition: To make something bad or unsatisfactory better. Example sentence: The government introduced new policies to ameliorate the effects of the economic crisis on low-income families.





• The Most Decorated Olympian:
American swimmer Michael Phelps
holds the record for the most
Olympic medals won by an
individual, with 28 medals,
including 23 golds, earned between
2004 and 2016.

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DOUBT SESSION

Land of Thousand Lakes - Finland*

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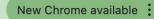


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