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Cong. asks if PM will object to U.S. report HEWE > PAGE 4





Is federalism in retreat under single-party rule? Experts discuss the shift In Centre-State relation INION PAGE



First Ashes Test begins in Perth today

INSIDE

'Arms recovered from office of the Kashmir Times'

REINAGAR
The Jak Pelice on Thursday
said arrors and ammanition
were receivered from the office
of Roshmy Times, a prominent
media outlet, in Jammu while
investigating a sale of
"conspiracy" is made a

Dismal numbers for eight core sectors in Oct.

NEW DELINE

the eight core sectors of the economy remained flat in October 2026, the yearst according to official data



Court states that it is against sitting on Bills

through 'prolonged and evasive inaction'

Courts cannot fetter President, Governor: SC

'Deemed consent' will usurp the function of

the gubernatorial functionaries, court says

A five-judge Bench of the Supreme Court on Thursday an swered the 16th Presiden-tial Reference the country has witnessed by opining that the judiciary cannot etter tiovernors and the resident to "one-size-fitsall" time-tables to dispose of State Bills or usurp their functions by assuming "deemed variants" of the proposed laws at the expe-

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finating down the over's requires to AA questions related by the President using if a conditation court can propose terrefines for Covernors and the President to give issued to fifth passed by legislat.

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a three-month time limit for Governors and the Pre-sident to dispose of State

tice-designate Surya Kant, and Justices Vikram Nath, P.S. Narasimha and A.S. Chandurkar underscored in their answer.

'Evanive inaction' However, the court clari-hed that the President and Governors earnest resort to "prolonged and evasive inaction" by sitting endlessly on State fills awaiting their approval. The Reference under Article 143 of the Constitution came merely a month after a two-judge Bench of the Supreme Court, is a judgment in the Tamil Nadu Governor case on April 8, plugged a con-

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SC counters States' 'disguised plea' argument

NEW DELAY The Supreme Court on Thursday countered the objection of State ruled by non-BJP parties that the Presidential Reference was an "appeal in disguise". It said an ashdanry opinion "can overrule. If necessary". Is was a thinty velled "approal" against the judgment that fixed Umelines resident to ducide on Bills omil Nadis argued, a race a

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The Bench termed the

set of 14 questions posed by the President on May 13 as a unique "functional re-ference" touching upon the day-to-day functioning of constitutional functionaries and the interplay among State legislatures, Governore, and the President.

"It is an institutional res-

Delaying bills would thwart the people's will

expressed through legislatures, the court says

ponsibility to tender its opinion on this functional reference sought by the highest constitutional highest constitutional functionary of the country. The court cannot shirk away from its responsibility to iron out constitutional creases, the flench said, it clarified that a Governor It clarified that a Governor has actually three options before him under Article 200 - to grant assent to the Bill, reserve it for the con-ideration of the President or withhold assent and re-turn the Bill to the State la-gislature with commercia if galature with comments if it is not a Money Bill. A Ga-vernor cannot stall a Bill without returning it to the State Assembly along with his reasons for doing so. "It would be against the principle of federalism and

a derogation of the powers

of the State legislatures in permit the Covernor to withhold a Bill without fol-lowing the dialogic pro-cess. . the Reference Bench advised.

Bench advised.

The Bench propounded that the Supreme Court cannot judicially review the merits of the decision taken by the Governor under Article 200, "Hoween in glaring circum inaction that is prolonged, unexplained, and indefi-nite, the court can issue a limited mandamus for the

imited mandames for the Governor to discharge his Die time period. It said. But the restricted re-view of the Governor's in-subjecting him personally in Indicial proceedings, sofute immunity from court proceedings under The Bench clarited that the courts had no power to review the merits of Bills.

Tribute to Guru



27-member new Nitish Cabinet takes charge: BJP gets 14 berths, JD(U) eight

Anit Bhelari

Janata Dai (United) president Sittah Sumar took ooth six the Chief Minuser cook so the Chief Minuser time is a grand cerementy here on Thursday Minuser on Thursday Minuser on Thursday Minuser on the Cath of office and decreey to the 74-year-old leader, Prima Minister Ameliant Minuser Amil Shah, RIP president 1.9 Nadida, and a local of other National Dewere presents.

were present. Resides Mr. Kumar, 26 Headels Mr. Kumar, 26 Clabinst Miniators took the oath of office. Fourteen of them were from the IIB, eight from the Janara Dal (G), two from the Lok Jan-shakit Party (Ram Vilao),



(Secular) and Rashtriya Lok Morcha (RLM).

There are nine new faces, including Sanjay Kamar Singh of the LJP(RV) who defeated Raibtriys Janata Dal Jeader Lalu Prasac's son Tel Pratap Yaday in the Mahua constituency. The new Cabinet has one Mus-

As trade row eases, U.S. clears missile sale to India

cluding Nitish Mishra, who was considered the best performing in the previous

government as the Indus-tries Minister, have been dropped. Mr. Mishra won the election this time by from Jhardharpur. Of the 26 Ministers, 21

are Mi.As and hou Mi.Cs. A three-day session of the new Assembly will start from November 26, in elected and new members will take on the members will take only the start ions to giving representa-tion to various aretime in the clabinet – eight from the general category, six ward Claises and Extremeward Classes and Extreme-ly Backward Classes, and five from the Scheduled Castes. Four Rappuis have been inducted, the highest number among castes

Chief Ministers and Deputy Chief Ministers of several NDA-ruled States attended the awearing in

Search on for five declared foreigners by Assam tribunal

The Hindu Bureau

The police in Sonitpur disrict in northcentral Assum are searching for five pes-gle deslared non-sitteess by a Foreigners' Tribunal (FT), officials said on Thursday.

Hamifa, Mariyam Nessa, Fatema, Monowara, and Amiad Ali, all from Dhobokata village, were declared foreigners ex parte on Dotober 24. The district administra-

The district administra-tion issued separate orders on Wednesday for their ex-pulsion from India within 24 hours. The orders were issued by Anusda Kumar Das, Di-riet Commissioner, under

FM AND

The orders directed them to remove themselves from the territory of Assam within 24 hours'

the Immigrants (logsulsion the inonigrants (Sajaskian from Asiam) Act, 1950. These were the earliest or-ders citing this Act since the State Cabinet approved its implementation earlier this year.

"from the territory of Assam, todia, within 24 hours from receiving this order via the Dhubri/Srib-

humi/South Salmara-Manroutes on the India-Pungladesh border indicated that they may have entered the country from bangladesh.
"Fauther, you are intimated that in the event of any
default in complying with
default in complying with
would be compelled to
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rake appropriate action to
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reason to be compelled.

"The FF issued the
order experies as the five people never turned up during
heartings," Mr. Des nisk. country from Bangladesh

in a move that further un-derscores, the easing of State Department has ap-proved a possible sale of la-velin missiles and Excalbur projectiles and related equipment to India for an estimated total cost of \$92.6 million, the U.S. Deforce Security Cooperation Agency (DSCA) said on Thursday, The DSCA said is had delivered the required

The Hindu Bureau

certification nutifying the U.S. Congress as well of the decisions.

Press releases issued in this connection and the proposed sale would support the foreign policy and national accurity objectives of the U.S. by leakage.



A file picture of a U.S. soldier firing a Javelin missile. Are the conclusion of the first

ing the U.S.-India strategic relationable, and Improving the U.S.-India strategic relationship and improv-ing the security of 'a major defence partner which sominues to be an impor-rant force for political ata-bility, peace, and econom-ic propriess in the indo-Pacific and South Asia regions'.

The deals come three days after hulls unmanisced capability to meet current and future threats by pro-viding precision capability equipment, which will increase first strike accuracy in its brigades, india will have no difficulty absorbing these articles and ser-In a separate release,

the DSCA said todia had requested to buy 100 FGM-148 Javelin rounds. one Javelin Founds, one Javelin FGM-148 mis-sile and 25 Javelin Light-weight Command Launch Units (LwCLU) or Javelin

the conclusion of the frate-eaver long-seem deal where weight Command Launch would import American LPG into the country.

"The Government of In-dia has requested to Intu-cia has requested to Intu-cate to Intuck (Intuity of Excellibut case). The proposed safe will improve below \$22 utilities and the low

lin deal is for \$45.7 million. The sisth round of for-mal negotiations on a Bilat-eral. Trade. Agreement (IITA) — earlier meant to have taken place in the last week of August — took place in October, Indian isters have again start ed talking about the con clusion of the first tranche of the BYA soon.

The DSCA release added the Excalibur deal would also include the supply of arcillary items. Percalile Electronic Fire Control Sys-Riestronia Pire Control Sys-tems with Improved Pat-form Integration RR (IPIG), primers, propollant charg-es, U.S. Government tech-nical assistance, technical data, repair and return ser-vices, and other related elements of Reputes and programme support.

Courts cannot fetter President, Governor: SC

'Deemed consent' will usurp the function of the gubernatorial functionaries, court says

Court states that it is against sitting on Bills through 'prolonged and evasive inaction'

Delaying bills would thwart the people's will expressed through legislatures, the court says

Krishnadas Rajagopal NEW DELHI

five-judge Bench of the Supreme Court on Thursday answered the 16th Presidential Reference the country has witnessed by opining that the judiciary cannot fetter Governors and the President to "one-size-fitsall" time-tables to dispose of State Bills or usurp their functions by assuming "deemed consent" of the proposed laws at the expiry of a court-ordered time frame.

"Such a usurpation of the gubernatorial function of the Governor, and similarly of the President's functions, is antithetical not only to the spirit of the Constitution, but also specifically, the doctrine of separation of powers — which is a part of the basic structure of the Constitution," a Bench of Chief Justice of India B.R. Gavai, Chief Jus-

Breaking down the court's response to 14 questions raised by the President asking if a constitutional court can impose timelines for Governors and the President to give assent to Bills passed by legislatures Governor's discretion **Judicial limits** Governor's accountability under Article 200 SC cannot impose timelines for Governors cannot May assent to the Bill assent or create a concept of 'deemed indefinitely sit on a Bill; if assent' under Article 142 they do, limited judicial May withhold assent, but review applies must communicate reasons President's role under Article 201 to the State legislature Courts can direct Governors When a Bill is referred, the President to decide within a reasonable May refer the Bill to the need not seek SC's advisory opinion time frame, but not President for consideration under Article 143 every time dictate the under Article 201 outcome

Supreme Court's advisory opinion

tice-designate Surya Kant, and Justices Vikram Nath, P.S Narasimha and A.S. Chandurkar underscored in their answer.

'Evasive inaction'

However, the court clarified that the President and Governors cannot resort to "prolonged and evasive inaction" by sitting endlessly on State Bills awaiting their approval. The Reference under Article 143 of the Constitution came merely a month after a two-judge Bench of the Supreme Court, in a judgment in the Tamil Nadu Governor case on April 8, plugged a constitutional silence by fixing

a three-month time limit for Governors and the President to dispose of State Bills pending with them.

Addressing a preliminary objection raised by Tamil Nadu and Kerala that the Presidential Reference was only an "appeal in disguise" against the binding April judgment of the

SC counters States' 'disguised plea' argument

NEW DELHI

The Supreme Court on
Thursday countered the
objection of States ruled by
non-BJP parties that the
Presidential Reference was an
"appeal in disguise". It said an
advisory opinion "can overrule,
if necessary". It was a thinly
veiled "appeal" against the
judgment that fixed timelines
for Governors and the
President to decide on Bills,
Tamil Nadu argued. "PAGE 5

court, the Bench said nothing stopped it from clarifying "general questions of law referred to it by the President".

The Bench termed the set of 14 questions posed by the President on May 13 as a unique "functional reference" touching upon the day-to-day functioning of constitutional functionaries and the interplay among State legislatures, Governors, and the President.

"It is an institutional responsibility to tender its opinion on this functional reference sought by the highest constitutional functionary of the country. The court cannot shirk away from its responsibility to iron out constitutional creases," the Bench said. It clarified that a Governor has actually three options before him under Article 200 - to grant assent to the Bill, reserve it for the consideration of the President. or withhold assent and return the Bill to the State legislature with comments if it is not a Money Bill. A Governor cannot stall a Bill without returning it to the State Assembly along with his reasons for doing so.

"It would be against the principle of federalism and a derogation of the powers of the State legislatures to permit the Governor to withhold a Bill without following the dialogic process...," the Reference Bench advised.

The Bench propounded that the Supreme Court cannot judicially review the merits of the decision taken by the Governor under Article 200. "However, in glaring circumstances of inaction that is prolonged, unexplained, and indefinite, the court can issue a limited mandamus for the Governor to discharge his function within a reasonable time period," it said.

But the restricted review of the Governor's inaction would not entail subjecting him personally to judicial proceedings. The Governor enjoyed absolute immunity from court proceedings under Article 361.

The Bench clarified that the courts had no power to review the merits of Bills.

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'COURT CAN NUDGE IF GUV SITS ON BILL'

- ➤ Governors cannot sit over bills beyond powers granted to them under Art 200, cannot act as super CMs, 5-judge bench unanimously said
- ➤ Fixing timelines for governors in a democratic country like India is against the elasticity provided by Constitution
- ➤ Governors have 3 options to grant assent to bills, refer them to the President, or withhold assent and send them back to the assembly with comments. Third option is available only when it is not a money bill, the bench said
- ➤ Governors enjoy discretion in choosing from these 3 options and are not bound by the aid and advice of the council of ministers
- ➤ For inaction that is prolonged, unexplained and indefinite, court can issue a limited mandamus for governor to discharge function within a reasonable time
- ➤ Governor's role to grant assent to bills cannot be supplanted by another authority by way of deemed assent, SC bench said
- ➤ Concept of courts declaring **deemed assent** antithetical to spirit of Constitution, is against



the doctrine of separation of powers, virtual takeover of functions of governor

- ➤ Referring to Art 361, SC said governors enjoy personal immunity, but their constitutional office is subject to court's jurisdiction
- ➤ Discharge of functions under Art 200 & 201 (action on bills) by governor & president are not justiciable, meaning they cannot be challenged before court. Judicial review and scrutiny can be involved only once the bill becomes law
- ➤ Clarification for future governance, it does not vacate, modify or amend relief granted to TN

- A five-judge Constitution Bench of the Supreme Court gave an advisory opinion on the 16th Presidential Reference.
- Issue: Whether courts can impose mandatory timelines on Governors/President to decide on Bills passed by State legislatures.

2. Key Supreme Court Findings

A. Courts cannot impose "one-size-fits-all" timelines

- · SC held that imposing fixed timelines would:
 - Usurp the constitutional functions of the President/Governor.
 - Violate separation of powers.
 - Undermine federal structure.

B. "Deemed Consent" is unconstitutional

- Courts cannot assume that if the Governor/President does not act within a time limit, the Bill is "deemed assented".
- This would negate constitutional procedure.

3. Governor's Discretion under Article 200

Governor may:

- 1. Grant assent to the Bill.
- 2. Withhold assent (but must provide reasons).
- 3. Return the Bill to the State Legislature.
- 4. Reserve the Bill for consideration of the President under Article 201.

SC: Courts can only ensure the Governor acts within a reasonable time, but cannot dictate the outcome.

4. President's Role under Article 201

- When a Bill is reserved for the President:
 - The President is not bound to seek SC's advisory opinion.
 - President also cannot be given a rigid time limit.
 - No "deemed assent" can be imposed.

5. Judicial Limits

- Courts cannot:
 - · Force assent,
 - Impose timelines,
 - Create a doctrine of "deemed assent."

But Courts can:

- Intervene in rare cases of prolonged, unexplained, or indefinite delay (limited mandamus).
- Ensure constitutional machinery is not paralysed.

6. Governor's Accountability

- Governor cannot "sit indefinitely" on Bills.
- If Governor shows prolonged, evasive inaction, limited judicial review is possible.
- Governor retains absolute immunity from personal appearance or prosecution (Art. 361).

7. SC Counters "Appeal in Disguise" Argument

- States argued that the Presidential Reference is an indirect appeal against a previous SC judgment (TN case mandating 3-month timeline).
- SC rejected this: A Presidential Reference under Article 143 allows SC to opine on constitutional issues even if similar issues arise in prior cases.

8. Impact & Constitutional Significance

- Reinforces federalism, separation of powers, independence of constitutional offices.
- Prevents overreach by the judiciary.
- Clarifies constitutional boundaries for:
 - State legislatures
 - Governors
 - President
 - Judiciary

A. Articles Involved

- Art. 163 → Governor's discretion.
- Art. 200 → Governor's actions on State Bills.
- Art. 201 → Bills reserved for the President.
- Art. 361 → Immunity of President/Governor.
- Art. 143 → Presidential Reference.
- Art. 142 → Powers of the Supreme Court (not to be used to create "deemed assent").

B. Relevant SC Cases

- Shamsher Singh (1974) → Governor acts on aid & advice of Council of Ministers.
- Nabam Rebia (2016) → Limited discretion to Governors.
- TN Governor Case (2024) → SC directed Governor not to delay assent indefinitely.

C. Comparative Insight

 Many federations (USA, Canada, Australia) do not impose judicial timelines for assent; delay is resolved politically, not judicially.

- Consider the following statements regarding the Supreme Court's advisory opinion on Presidential Reference (2024):
- The Supreme Court held that it can impose fixed time limits on Governors to give assent under Article 200 in exceptional circumstances.
- The Court ruled that "deemed assent" cannot be assumed merely because a Governor or President delays action on a Bill.
- The President is constitutionally required to seek the Supreme Court's opinion under Article 143 whenever a Bill is reserved for his consideration.
- Which of the above statements is/are correct?
- A. 2 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

As trade row eases, U.S. clears missile sale to India

The Hindu Bureau

NEW DELHI

In a move that further underscores the easing of trade tensions between India and the U.S., the U.S. State Department has approved a possible sale of Javelin missiles and Excalibur projectiles and related equipment to India for an estimated total cost of \$92.8 million, the U.S. Defense Security Cooperation Agency (DSCA) said on Thursday. The DSCA said it had delivered the required certification notifying the U.S. Congress as well of the decisions.

Press releases issued in this connection said the proposed sale would support the foreign policy and national security objectives of the U.S. by bolster-



A file picture of a U.S. soldier firing a Javelin missile. AFP

ing the U.S.-India strategic relationship and improving the security of "a major defence partner which continues to be an important force for political stability, peace, and economic progress in the Indo-Pacific and South Asia regions".

The deals come three days after India announced

the conclusion of the firstever long-term deal where Indian oil companies would import American LPG into the country.

"The Government of India has requested to buy up to two hundred sixteen (216) M982A1 Excalibur tactical projectiles," a release said. "The proposed sale will improve India's

capability to meet current and future threats by providing precision capability equipment, which will increase first strike accuracy in its brigades. India will have no difficulty absorbing these articles and services into its armed forces."

In a separate release, the DSCA said India had requested to buy 100 FGM-148 Javelin rounds, one Javelin FGM-148 missile and 25 Javelin Lightweight Command Launch Units (LwCLU) or Javelin Block 1 Command Launch Units (CLU).

The release added that the sale of Javelin missiles to India would "strengthen its homeland defence and deter regional threats".

The Excalibur deal is for \$47.1 million and the Jave-

lin deal is for \$45.7 million.

The sixth round of formal negotiations on a Bilateral Trade Agreement (BTA) – earlier meant to have taken place in the last week of August – took place in October. Indian government officials and Ministers have again started talking about the conclusion of the first tranche of the BTA soon.

The DSCA release added the Excalibur deal would also include the supply of ancillary items, Portable Electronic Fire Control Systems with Improved Platform Integration Kit (iPIK), primers, propellant charges, U.S. Government technical assistance, technical data, repair and return services, and other related elements of logistics and programme support.

Торіс	Key Points (Exam-Focused)	
What happened?	• U.S. State Department approved sale of Javelin missiles + Excalibur projectiles + related equipment to India. • Total estimated cost: \$92.8 million . • DSCA (Defense Security Cooperation Agency) notified U.S. Congress.	
Why significant?	• Shows easing of trade tensions between India–U.S. after months of disagreements.• Strengthens India's precision-strike capability and counters regional threats.	
Items India requested	• 216 M982A1 Excalibur tactical projectiles (precision-guided artillery). • 100 FGM-148 Javelin rounds. • 1 Javelin missile system. • 25 Javelin Lightweight Command Launch Units (LWCLU) or Block 1 CLU.	
Purpose & benefits to India	• Boosts first-strike accuracy of India's brigades. • Enhances homeland defence and deterrence. • No difficulty in absorbing these systems.	
Strategic context	• Aligns with U.S. foreign policy: strengthens "major defence partner" India. • Supports Indo-Pacific strategic stability, peace, and countering China's influence.	
Economic angle	• Excalibur deal worth \$47.1 million. • Javelin deal worth \$45.7 million. • Comes days after India announced long-term deal to import American LPG.	

Trade ties update	• Sixth round of Bilateral Trade Agreement (BTA) talks held in October (delayed from August). • Hopes of concluding first tranche "soon".
	- Dortable fire control systems - Dranellant charges primare - Technical assistan

• Portable fire control systems. • Propellant charges, primers. • Technical assistance + data + repair + return services. • Extended logistics & programme support.

Which agency approved	U.S. Defense Security Cooperation Agency (DSCA).
it?	0.3. Defense security cooperation Agency (DSCA).

Historical/Static Add-ons	• Javelin is a fire-and-forget infrared-guided anti-tank missile (U.S.). • Excalibur:
	GPS-guided artillery shell, used by U.S. since Iraq War. • India became Major
	Defense Partner of U.S. in 2016 . • Foundational defense agreements: LEMOA
	(2016), COMCASA (2018), BECA (2020).

• Counter to China + Pakistan military posturing. • Part of India-U.S. defence deepening under Indo-Pacific strategy. • Supports India's artillery modernization.

Approx. period	Equipment / deal	Approx. value* (USD)	Notes / role
2008–2011	6 × C-130J Super Hercules + 4 more later	~\$1–1.5 bn (LOA + follow-on)	Special-forces capable tactical airlift; first big post-2005 deal.
2011–2014	10 × C-17 Globemaster-III	~\$4 bn+	Strategic heavy-lift backbone of IAF; among largest single Indo-U.S. defence contracts.
2009–2020	12 × P-8I Poseidon maritime patrol aircraft	~\$3 bn (multiple tranches)	Critical for anti-submarine & Indian Ocean surveillance; operated by Indian Navy.
2015–2019	22 Apache AH-64E attack + 15 Chinook CH- 47F(I) heavy-lift helicopters	"Multi-billion dollar" contract (≈\$3 bn)	Boosts IAF offensive capability & high-altitude logistics (e.g., Himalayas). (<u>Facebook</u>)
2016	145 × M777 ultra-light howitzers	≈\$737 mn	Lightweight 155-mm guns for rapid deployment in mountains.
2019–2020	FGM-148 Javelin missiles & M982A1 Excalibur precision artillery shells	≈\$94–95 mn (Javelin) + ≈\$47 mn (Excalibur)	Enhances infantry anti-tank capability & precision long-range artillery. (State Department)
2020	24 × MH-60R Seahawk multirole naval helicopters	≈\$2.6 bn	Replaces ageing Sea Kings; key for ASW & surface warfare.
2023–2024 (proposed/cleared)	Up to 31 MQ-9B armed drones (Predator/SeaGuardian)	≈\$3.99 bn (notified)	Long-endurance ISR + precision strike; part of broader iCET & maritime cooperation. (KalingaTV)

Period (SIPRI-based)

2016–20

2020–24 (recent SIPRI-based reporting)

Long-term trend

Top suppliers to India & shares in total arms imports

Russia 49%, France 18%, Israel 13%; others (incl. U.S., South Korea, etc.) together 20%. (Межа. Новини України.)

Russia 36%, France 33%, Israel 13% – top three now supply ~82% of India's imports. (Межа. Новини України.)

Russia's share steadily declining; France's and Israel's rising; U.S. goes from a **major new entrant in 2000s** to a **steady but not dominant supplier** in 2010s–20s. (<u>Azerbaycan24</u>) What it implies about the U.S. share

U.S. is part of the "others" block; its share <20% and clearly lower than Russia, France, Israel, but still significant as India's 4th/5th-largest supplier.

Remaining ~18% of imports come from "other" suppliers (U.S., Italy, South Korea, etc.). U.S. share is in **single digits**, indicating **reduced relative dependence** on U.S. hardware even as overall defence cooperation is strong.

India uses U.S. equipment mainly for **strategic enablers** (lift, maritime patrol, helicopters, precision munitions) rather than bulk combat aircraft or tanks, which keeps the U.S. percentage moderate.

- Consider the following statements regarding the recent U.S. missile sale to India:
- The deal includes the purchase of Excalibur guided projectiles and Javelin anti-tank missiles.
- The sale was approved directly by the U.S. President without Congressional notification.
- The sale aims to enhance India's precision-strike capability and strengthen homeland defense.
- It is part of improving bilateral defence ties under the India–U.S. Major Defence Partner framework.
- Which of the above statements are correct?
- Options:
- A. 1 and 3 only
- B. 1, 3 and 4 only
- C. 2 and 4 only
- D. All of the above

SC counters 'appeal in disguise' argument of non-BJP-ruled States and court's responses

It says that an advisory opinion could even go so far as to 'overrule, if necessary' a judgment, this divergence may open path to take Presidential Reference route against uncomfortable verdict rather than taking effort to file review or curative pleas

he Supreme Court on Thursday coun-tered objections raised by States ruled by non-BP parties that the 2025 Presidential Refe-tence was an "appeal in district." disguise" against the court's own binding ver-dict in the Tamil Nada Goversior case. The court ob-sieved that an advisory opinion could even go so for as to 'overrule, if neces-

sary" a judgment.
This divergence may open the path for the government to take the Presi-dential Reference coats against an uncomfortable apex court judgment in fuCourt's rebuttal

The Sugrama Court on Thursday countered objections re-non-BJP-used States that the 2020 Presidential Reference an "apparel in disguise" against the sourch's boulding verificit

. Tarrell Hands food argued than the May

tions. Tamil Nadu had argued before a five-judge bench headed by Chieffutus tied of India R.K. Gavai that the May 12 Presidential Represedent (April 8 Judge the May II Presidential Re-ference possing 14 queries on the role and power of the President and Gover-nors was only a thinly velled "appead" against the April 8 Judgment in the Ta-

Press Trust of India

Legal experts and leaders

of some political parties on Thursday expressed mixed views on the Successe

sidential Reference that no

timelines can be pre-scribed for Governors and

tended it was impormissible to overvide an earlier precedent (April R Judg-ment) of the Supreme Court while exercising ad-visory jurisdiction under Article 143.

pointed to a majority opinion delivered by Justice VV. Chandrachad fortired; for a seven judge Bereit in a 1972 Presidential Reference in which be observed that "our opinion may even go so far as to severule, if necessary".

The Reference beingle

The Reference heres said a subsequent opinion in a Reference in "Natural Resources Allocation' (2G case) had referated justice Chandrachad's view. However, the Constitu-tion is itself allent about whether an opinion given by the Supreme Court un-der Article 143 would over-

rule a binding judgment. Article 141 of the Constitution mandates that "the law declared by the Su-

supreme Court. These two Articles make it clear that the law declared by the Su-preme Court, through its judgments, is binding and "all" authorities are bound

to comply with it.

The Union government could have sought a review of the April 8 Judgment if it was unlikely by the President, to ione a President La Reference. Now, the Centre may use this "authoritative opi-nion" of the court as a price weapon to seek a re-view of the April B judg-ment of the court mad.

allowing more space for dialogue, rather than forc-ing every decision into a judicially mandated dea-

On the fate of the 10 Ta-mil Nadu laws which were

granted deemed assent by

the top court on April 8 by

exercising its plenary pow-er under Article 142, senior

advocate Amit Anand Tiwa-ri said all those Bills had be-

come laws and have been already notified in the

for the consideration of the President, or withhold as-sent and return the Bill to the legislature with com-tents if the Bill is not a Mo-ney Bill.

a Hill is presented to him under Article 200 of the Constitution?

What are the constitutional options before a Governor when

is the Governor bound by the aid and advice (malered by the Council of Ministers under Article 2007

The Governor enjoys dis-cretton and is not bound by the aid and advice of the Council of Ministers.

is the exercise of constitutional discretion by the Governor under Article 200 Justiciable?

The discharge of the Go-vernor's function under Article 200, is not justicia-

bio.

However, in glaring cir-cumstances of indefinite inaction, the court has a li-mited power to issue a manifamus to the Gover-nor to decide within a rea-sonable time period. le Article 36t an

absolute bar to judicial review in relation to the actions of a Governor

Article 36) is an absolute bar on judicial review in relation to personally subjecting the Governor to judicial proceedings.

hile it is not ap-propriate for the judiciary to impose timelines on the Freshdent and Governora, in glaring circumstances of indefinite inscittors, the Can timelines be imposed under Article 2007

The Presidential Reference came after the April 8 judgment of the

Supreme Court that granted 'deemed assent' to 10 Tamil Nadu Bills

Fourteen questions

It is not appropriate as the

court can intervene, the supreme Court said in its advisory to the Presiden-tial Reference, Here are the is exercise of it questions posed by the President and the court's responses: constitutional discretion by the President under Article 201 insticiable?

> For the same reasoning as held with respect to the Governor, the President's assent too is not justiciable.

Can the President be bound to timelines while exercising power under Article 2017

Is the President required to seek advice of the Supreme Court

The President is not required to seek 80's advice Subjective satisfaction of the President is sufficient.

Are decisions of the Governor and Presiden under Article 200 and

The decisions of the Gover-nor, and President under Articles 200 and 201 are not justicable at a stoge an-terior into the law coming into force.

It is impermissible for

courts to undertake judi-cial adjudication over the contents of a Bill before it

Can the exercise of constitutional powers and the orders of/by the President/Governor be substituted in any

The exercise of constitu-tional powers and the or-ders of the Peenklent/Go-vernor cannot be substituted in any manner it allow for the concept of 'deemed assent' of Bills.

is a law made by the State legislature a law in force without the assent of the Governor granted under Article 200 of the

case involves substantial questions of law and has to be referred to a Bench of

became on this reference.

Do the powers of the Supreme Court under Article 142 of the matters of procedural

Not possible to answer in a definitive manner. Scope of Article 142 answered as a

treelevant to the functional nature of the reference Hence, returned unan

Frontline SC opinion draws mixed reactions wins three from legal experts, political parties Laadli media awards

The Hindu Bureau

Frontline has won three awards at the 15th edition of the Landli Media and Advertising Awards for Gender Seinalifelty.
Devika J. won in the Op-field category for her analysis of Kurala's feminist movements, tracing how woman challenge pairing chal structures. Sanhati Ha-

the Freinteen to a superior the Freinteen to Bills passed by State Assemblides. Since the Freinteen term of the Bills and the since the Bills and the since the Bills and the since the Bills and the chal structures. Nanhati Ha-nerjee received the Jury Appreciation Award for re-porting on protests across West Bengal following the rape and murder of a Kol-kata elector. Dreys Gandhi took hume luminurs under the Magazine Feature Crimi stategers for the fea-ture of the College of the Col-lege STEM education in large numbers face at the

netra Kashagam (DMR) in Tamil Nadu on Thursday termed the worder of the Supreme Court on Gover-nors a "good judgment" large numbers face struc-tural and cultural barriers that exclude them from



preme Court's response to the Presidential Reference on timelines to grant assent to Bills was "deplorable

While the SC continues to guard against prolonged and unexplained delays in clearing Bills, it duly respects the Governor's and the President's constitutional discretion

and shocking",
social advocate Vikas
Social advocate
S

Advocate Advoyani Du-bey said the core finding of the April is pudgment has the April is pudgment has the April in the April is a tion. "The 'desented usern' quarted by the ages court itself on the IC Portal Fedit-ers is likely void or signifi-cantly affected by the Cor-ter is likely void or signifi-cantly affected by the Cor-ter is likely word or signifi-cantly affected by the Cor-ter is likely word or signifi-cantly affected by the Cor-ter is likely void or signifi-cantly affected by the Cor-ter is likely word or signifi-cantly affected by the Cor-ter is likely word.

In pre-Budget meet, trade unions seek inheritance tax, higher corporate tax

Leaders of various trade unions met Union Pinance Minister Nirmala Sithara-man here on Thursday for the customary pre-fluidget consultations and submit-ted a memorandum deand wealth tax and introducing inheritance tax in-stead of burdening com-

mon masses with the Goods and Services Tax on essential fond items and



changed to help the working people and the coverage of social security me-chanisms must be expanded looking at the expanded looking at the overall insecurity in such (y. They said wage agree-ments were not imple-mented even in public undertakings, and asked the Centre to increase spending in the social sector.

On scheme workers
On the status of about one
crore achieme workers in
the country, the BMS memarandom said the Union
and State governments
must recognize these workers as its AtaII considering
the permanent and essen the permanent and essen-tial nature of their duties. "We suggest that until reg-

ularisation is done, the goustrandon is done, the go-vernment abould increase their honorarium, which has not been revised since 2018 despite significant in-flation," the BMS said, The unions said in their memo-randum that the 45th Indian Labour Conference had recommended "work-er status" for all scheme workers, but it was not to:

workers, but It was not noplemented yet.

They noted that the
worldt inequality in the
worldt inequality in the
colored level. Demanding that the new pension
scheme he scrapped and
restored, they said the notinium provident pensionmass he subsaced from
0.600 to 0.000 and it
should be intended with be.

Mamata urges CEC to halt SIR exercise in West Bengal

The Hindu Bureau

Highlighting the deaths at tributed to the special in Commissioner Gyanesh Kumar urging him to halt

to halt the ongoing exer-cise, stop coercive meatraining and support, and thoroughly reassess the present methodology and timelines. If this path is not

Mizoram govt. completes biometric enrolment of 58% of Myanmar refugees

The Hindu Bureau

The Misoram government has completed the biomet-ric enrolment of \$8.0% of the 31,214 asytum seekers scross the State's H mi-tricts, officials in Aizawl sold on Wednesday. The authorities bave al-so collected the biometric

and biographic data of 10.84% of the 2,354 refugees from Bangladest's Chittagong Hill Tracta CHY), the officials said. The exercise has been affected by slow or no In-

affected by slow or no tru-turnet consumetrity and dif-ficulty in identifying the re-designated relief campa-tion when the con-traction of the con-tra

Culturating informations The exercise has been affected by slow or

from the Chittagong Hill Tracts began taking shelter in Misosoni after a military offensive by the Bangladesh around forces a year

Kinaically related
The thins and flawms are
the thins and flawms are
majority. Mises of Mises
rain. The State also houses
almost 2,000 people displaced to the state of the state
that is Manipus.
The Domestic surolment of refugees from
the flaw of the state
began in July, following an
order by the Ministry of
thome Affairs. It is being

carried out through the fo-reigners' identification

a majority of the Chin refu-gers from Myanmar reside in Champhai district. Most

CHT have taken beluge in Lawrighti district.

"Topographical and the Lawrighti district.

"Topographical and term and a secondary of the secondary in the secon

of the Bawms from the CHT have taken refuge in

Jawaharlal Nehru's works available online now

The Hindu Bureau

The "Selected Works of Ja The "selected Works of Ja waharlal Nebru", a set of 100 volumes, which has some 38,000 documents and nearly 3,000 illustraions, is now available

oline. "The Jawaharial Nebru Memorial Fund is happy to sunounce that the Selected Works of Jawaharial Nebru s now fully available online, as promised on No-vember 14, 2024. The webvailable on nehruarchi ve.in. The entire set of 100 volumes have been digi-tized; they may be searched and freely down-

volumes have been digitated, they make he is a control to the cont

Jawaharlal Nehru's works available online now

The Hindu Bureau

NEW DELHI

The "Selected Works of Jawaharlal Nehru", a set of 100 volumes, which has some 35,000 documents and nearly 3,000 illustrations, is now available online.

"The Jawaharlal Nehru Memorial Fund is happy to announce that the Selected Works of Jawaharlal Nehru is now fully available online, as promised on November 14, 2024. The website The Nehru Archive is available on nehruarchive.in. The entire set of 100 volumes have been digitized; they may be searched and freely downloaded: and they may be used with equal ease on the mobile as on the laptop," a statement by the JNMF release said.

The facsimiles of the original print version are also available alongside the digital text, it said.

Congress leader Jairam Ramesh, a trustee of the JNMF that carried out the exercise, said the archive will keep getting expanded to cover more text, photographs, audio, and films.

He said that the second phase would entail efforts to locate Nehru's letters.



Know More

Called to the Bar.

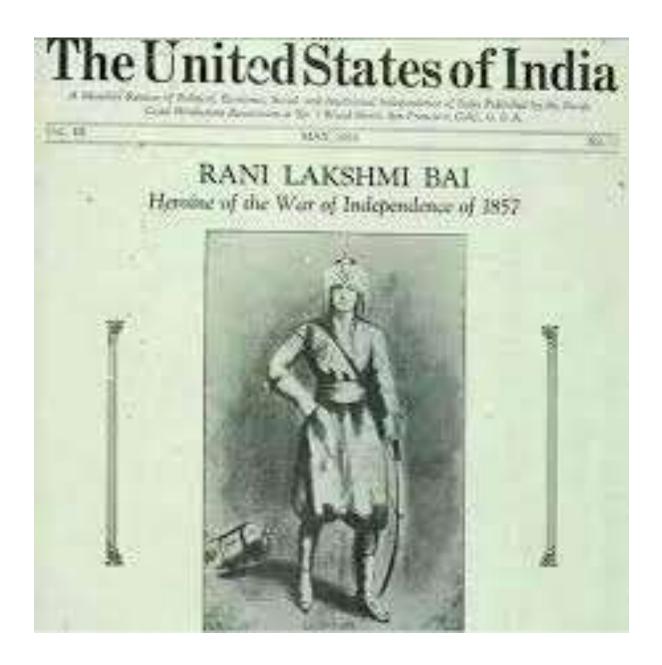
Attended as a delegate to the twenty seventh session of the Indian National Congress held at Bankipore.

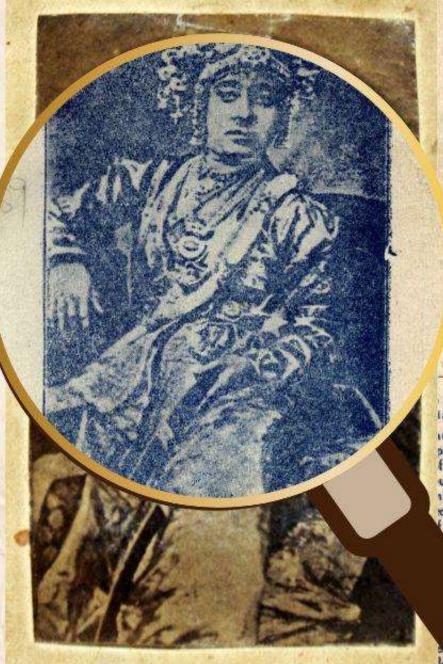
Joined the Allahabad High Court.

a









In Memory of " 1857" Martyrs.

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Rismory of the Martyrs of the lan War of independence of 1857

puring us on to fulfil the mission of the libf Mother India.

u seeming failure in the first struggle will aly urge us on to success. You taught us to give life for liberty. We respond to the duty imposed on us by your blood sacrifice. have shown us that insincerity, treachery, worthy leaders, want of concerted action agness to sacrifice personal ambition on tryice to the Mother Country caused

teteps of Rani of Jhansi, the that we will fight in every s liberty, even at the cost

Full Name	Manikarnika Tambe (popularly Rani Lakshmibai)
Birth	19th November 1828, Varanasi
Parents	Father: Moropant Tambe (Maratha noble) • Mother: Bhagirathi Sapre
Early Skills	Expert in horse riding, sword fighting, archery, and shooting
Childhood Friends	Nana Sahib & Tatya Tope (later leaders of 1857 revolt)
Marriage	Married Maharaja Gangadhar Rao of Jhansi at age 14
Adopted Son	Damodar Rao (adopted after her infant son died)
Annexation Issue	After Maharaja's death (1853), the British rejected Damodar Rao's claim using Doctrine of Lapse (Lord Dalhousie)

Role in 1857 Revolt	A leading figure; became symbol of bravery, resistance & patriotism
Battle Participation	Key battles: Jhansi (1857), Kalpi (1858), Gwalior (1858)
Death	18 June 1858, Gwalior, fighting British forces
Legacy	Known as "Jhansi ki Rani"; symbol of women empowerment & national pride
Famous Quote	"Main apni Jhansi nahi doongi" (attributed in folklore)
British View	Hugh Rose wrote she was the "best and bravest" among rebel leaders
Modern Tributes	Indian Navy's ship INS Jhansi , multiple statues, Manikarnika Fort, annual celebrations

Category	Fact
Doctrine of Lapse	Introduced by Lord Dalhousie : annexation if ruler dies without natural heir
Jhansi Fort	Built by the Bundelas ; Lakshmibai's main defense during the rebellion
Women in 1857	Lakshmibai inspired women like Begum Hazrat Mahal & Rani Avantibai
Global Perception	British officers were shocked at her leadership in a patriarchal era
Cultural Legacy	Stories preserved in Subhadra Kumari Chauhan's famous poem "Khoob ladi mardani"



झांसी की रानी कविता

सिंहासन हिल उठे राजवंशों ने भुकुटी तानी थी, बूढ़े भारत में आई फिर से नयी जवानी थी, गुमी हुई आज़ादी की कीमत सबने पहचानी थी, दूर फिरंगी को करने की सब ने मन में ठानी थी। चमक उठी सन सत्तावन में, यह तलवार पुरानी थी बुंदेले हरबोलों के मुँह हमने सुनी कहानी थी, खूब लड़ी मर्दानी वो तो झाँसी वाली रानी थी।

108th Birth Anniversary of Indira Gandhi



Full Name Indira Priyadarshini Gandhi

Birth 19 November 1917, Allahabad

Parents Jawaharlal Nehru & Kamala Nehru

Political Role India's first and only woman Prime Minister

Tenure as PM 1966–1977 and **1980–1984**

Nationalisation

Childhood Freedom Activity

Founded Bal Charkha Sangh & Vanar Sena (1930) to support Non-Cooperation

Movement

Imprisonment Jailed during Quit India Movement (1942)

Key Contribution – BankIn **1969**, nationalised **14 major banks** → rural credit, financial inclusion

Green Revolution

Promoted HYV seeds, fertilisers, irrigation (1969–1974), helping India achieve

food self-sufficiency

1971 Bangladesh Liberation Led India's decisive support → liberation of Bangladesh; **Indo-**Soviet Treaty (1971) strengthened foreign policy War Conducted India's first nuclear test in 1974 → India became **Pokhran-I (Smiling Buddha)** nuclear-capable Declared internal Emergency → suspended civil liberties, **Emergency (1975–1977)** censored press (controversial period) 31 October 1984, by her Sikh bodyguards after Operation Blue **Assassination** Star Strong central leadership; architect of modern India's food & Legacy foreign policy self-reliance Memorial Shakti Sthal, New Delhi

era

Congress Leadership

Significant role in shaping Indian National Congress post-Nehru

Category	Fact
UN Recognition	One of the world's most powerful women leaders in the 20th century
Operation Blue Star (1984)	Ordered military action to remove militants from Golden Temple
Foreign Policy	Strengthened Non-Aligned Movement (NAM), close ties with USSR
Social Programs	Garibi Hatao campaign (poverty alleviation)
Educational Background	Studied at Shantiniketan (Tagore), Oxford (Somerville College)

Former Chile President
Michelle Bachelet gets
Indira Gandhi Peace Prize



• Michelle Bachelet, the former President of Chile, has been awarded the **Indira Gandhi Peace Prize for 2024.**

About

- It is an annual award established by the Indira Gandhi Memorial Trust in India.
- The prize is named in honor of the late Prime Minister of India, Indira Gandhi, and it was instituted in 1986.
- The award is presented to individuals or organizations that have made **significant contributions** to the promotion of international understanding and peace, the development of new international economic order, and the strengthening of democracy.

Categories: The award is presented in three categories:

- **Peace:** Recognizes efforts to promote and maintain international peace and security.
- **Disarmament:** Acknowledges contributions to the reduction and elimination of weapons of mass destruction.
- **Development:** Honors work in promoting economic and social development.

The award ceremony typically takes place on **November 19th**, the birth anniversary of Indira Gandhi.

Topic	Details
Full Name	Verónica Michelle Bachelet Jeria
Born	29 Sep 1951, Santiago, Chile
Education/Profession	MD (University of Chile); Pediatrician ; public-health training (Chile & Germany)
Political Affiliation	Socialist Party of Chile
Historic Firsts	First woman President of Chile; first woman Defence Minister of Chile (2002–04)
Key National Offices	President of Chile (two non-consecutive terms): 2006–2010 and 2014–2018; Minister of Health (2000–02); Minister of Defence (2002–04)
Major Presidency Highlights	Social protection expansion; pension reform (solidarity pillar); postearthquake reconstruction (2010); tax & education reforms; 2017 law decriminalising abortion on three grounds; civil unions law (2015)
International Roles	Founding Executive Director, UN Women (2010–2013); UN High Commissioner for Human Rights (2018–2022)

Human-Rights Context	Father Gen. Alberto Bachelet died in custody after opposing the 1973 coup; Bachelet and her mother were detained, then lived in exile (Australia & East Germany) before returning to Chile
Notable Awards/Recognition	Numerous honorary doctorates and global leadership awards (women's rights, human rights, governance)
Ideology/Focus Areas	Social democracy; gender equality; poverty reduction; universal social protection; human rights
Family	Divorced; two children
Why She's Asked in Exams	Latin America's firsts; women in leadership; UN system roles (UN Women, OHCHR); Chile's democratic consolidation post-Pinochet

COP31 – Turkey to Host

Topic Host Country for COP31 (2026)	Key Points (Exam-Ready) Turkey will host COP31 under a compromise arrangement with Australia.
Why Compromise?	COP30 negotiations (Brazil) ended in a stalemate; both Australia & Turkey wanted hosting rights. The deal allows Turkey to host COP31 , while Australia gets other climate negotiation privileges.
Context Behind the Dispute	• Australia and Turkey both bid in 2022 . • Neither was willing to withdraw, leading to prolonged diplomatic deadlock. • Brazil's COP30 facilitations helped reach settlement.
Significance of COP31	• Will occur at a time of intense debate on climate finance , adaptation, and NDC commitments.• Requires strong leadership amid rising climate disasters & global emission gaps.
Possible Focus Areas at COP31	• Climate Finance (100bn USD & New Collective Quantified Goals). • Loss & Damage Fund operationalisation. • Global Stocktake follow-up. • Technology transfer & carbon markets (Article 6).

Why Turkey is Important?

• A bridge nation between **Europe & Asia**. • Member of **OECD** but not part of EU. • Previously

categorised under "Annex-I but not Annex-II", causing disagreements over climate responsibilities.

Australia's Stake

• Australia wants to rebuild its global climate credibility after criticism for being among the world's largest coal exporters. • It had earlier hosted **COP6 (2000)** negotiations informally.

COP31 & India

• India will push for **Climate Justice**, **CBDR-RC**, Global South financing, and faster climate tech deployment. • India may seek more clarity on **LiFE**, Mission LiFE, and global adaptation frameworks.

- COP at a Glance

• COP = Conference of Parties under **UNFCCC** (1992). • Meet annually to negotiate climate actions. • Landmark COPs: COP21 (Paris), COP26 (Glasgow), COP27 (Egypt), COP28 (Dubai).

Additional Geo-Political Angle

• Turkey hosting strengthens its global diplomatic presence. • Türkiye's growing role in Middle East, NATO disputes, and trade corridors increases its international relevance.

Static Booster (for exam)

• UNFCCC HQ – Bonn, Germany. • First COP – Berlin (1995). • Paris Agreement legally binds nations on NDCs & 2°C/1.5°C goals.



UAE—China Digital Currency Transfer

Topic	Details
Country Involved	United Arab Emirates (UAE) & China
Event	UAE completed its first-ever cross-border digital currency payment to China
Type of Currency	Central Bank Digital Currency (CBDC)
Mechanism Used	UAE's new blockchain-based cross-border digital currency settlement system
Significance	Marks a major leap in global financial connectivity , digital payments, and fintech cooperation
Purpose	Improve settlement efficiency, reduce transaction costs & enhance transparency in international trade payments
Geopolitical Importance	Strengthens UAE–China economic partnership; reinforces Gulf nations' shift toward digital financial architecture

Global Context	Part of the growing global adoption of CBDCs; China is already a world leader with its Digital Yuan (e-CNY)
UAE's Digital Currency Vision	UAE aims to become a global digital finance hub under its "Digital Dirham Strategy"
International Relevance	Supports UAE's participation in m-CBDC Bridge Project (with China, Thailand, Hong Kong & BIS Innovation Hub)
Benefits	Faster cross-border payments, lower costs, reduced dependency on SWIFT, improved transparency and security
UPSC Pointers	– CBDC concept & benefits
– m-CBDC Bridge Project	
– UAE–China economic relations	
 Global shift from SWIFT to blockchain payments 	

Parameter Rupee (Physical Currency) e-Rupee / Digital Rupee (CBDC)

What it is Physical money: notes & coins RBI-issued digital currency (electronic form of Rupee)

Issuer RBI RBI

Form Paper notes, coins Pure digital token

Where value is stored In your wallet physically In a CBDC wallet, not in a bank account

Type of money Fiat currency Sovereign digital currency

Legal Tender? Yes Yes (same as cash)

Needs Bank Account? No No (wallet-to-wallet possible)

Internet Required? No Mostly yes (offline version under testing)

Settlement Instant (physical) Instant in RBI ledger

Interest Earned No No

Traceability Difficult High (token but RBI monitored)

Privacy High (anonymous) Medium (more than UPI, less than cash)

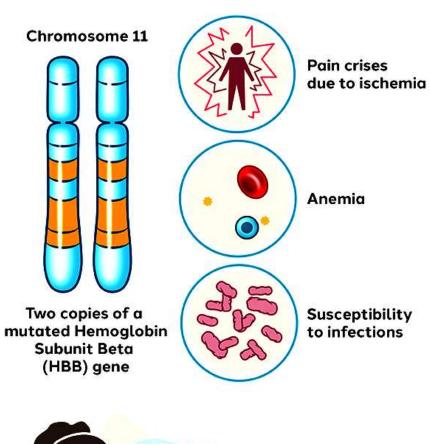
Risk of Bank Failure None None (RBI liability)

Main Use Cash transactions Digital cash alternative

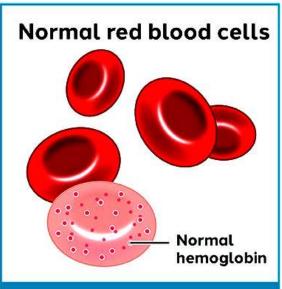
Examples ₹10 note, ₹500 note e₹-R (Retail CBDC), e₹-W (Wholesale CBDC)

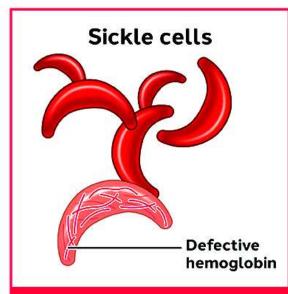


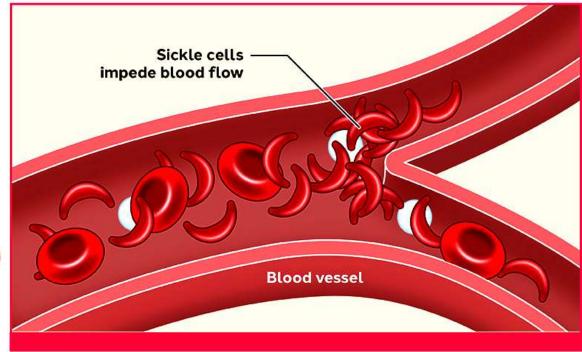
What is Sickle Cell Disease (SCD)?



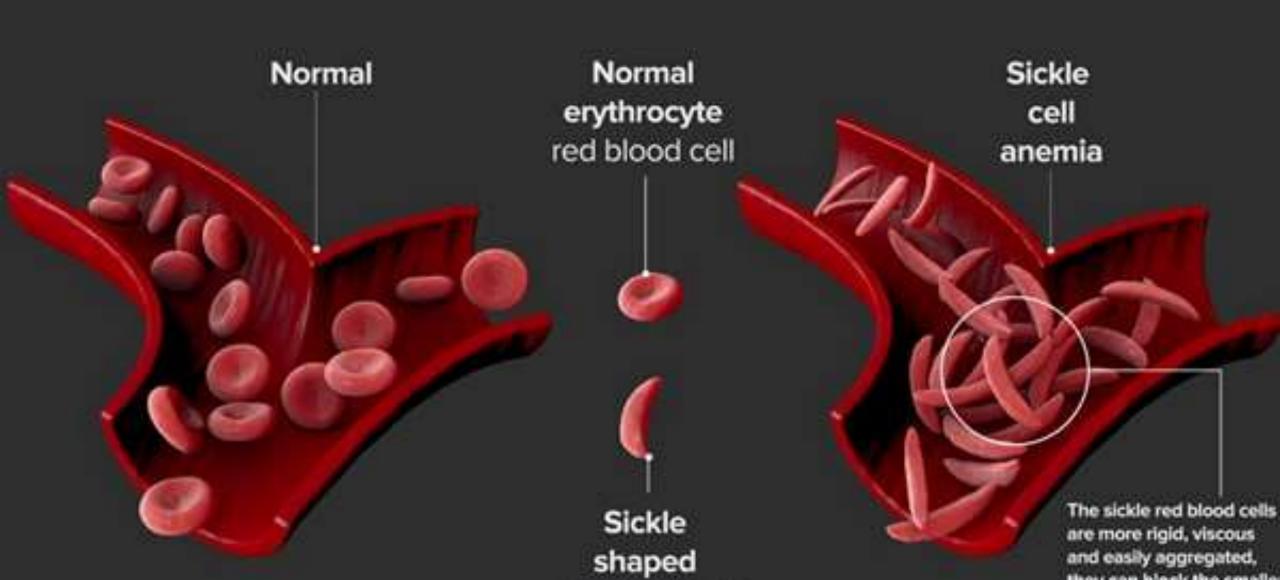








SICKLE CELL ANEMIA



Symptoms/complications of Sickle Cell Disease













A blood and bone marrow transplant is the only cure.



Pain

Anaemia

Jaundice

Normal.

Stroke

Organ failure

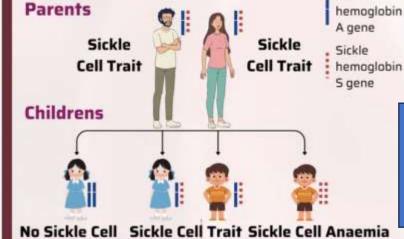
Sickle Cell Anaemia & its Causes

Type of SCD that causes the most severe anaemia. Most common type of SCD.

CAUSES:

Autosomal Recessive Disease

For a child to be affected, both parents must carry and pass the sickle cell gene.



National Sickle Cell Anaemia Elimination Mission (NSCEM)



It aims to eliminate sickle cell disease as a public health issue in India

before 2047

It will cover the screening. prevention, and management of sickle cell anaemia.

Sickle cell disease is one of the ten special problems in tribal health.

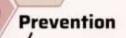
Objectives

- Provision of affordable and accessible care to all SCD patients
- · To ensure quality of care for SCD patients
- To reduce the prevalence of SCD

Three pillars strategy



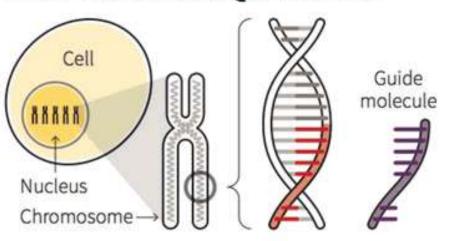
Health promotion



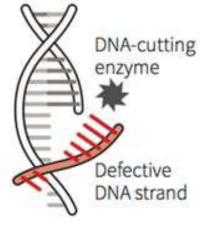
DNA editing

A DNA editing technique, called CRISPR/Cas9, works like a biological version of a word-processing programme's "find and replace" function.

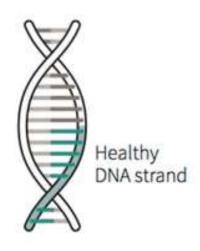
HOW THE TECHNIQUE WORKS



A specially designed synthetic guide molecule finds the target DNA strand.



An enzyme cuts off the target DNA strand.



The defective DNA strand is replaced with a healthy copy.

with an enzyme complex containing:

Guide molecule
Healthy DNA copy

DNA-cutting enzyme

A cell is transfected

Sources: Reuters; Nature; Massachusetts Institute of Technology

Massive exercise

Sickle cell disease is a genetic condition that affects an estimated 15 lakh people in India



The Health Ministry is working on maintaining a central registry of SCD patients

- The Ministry plans to screen
 7 crore persons in 17 highly
 affected States by 2025-26.
 One crore screenings had
 been scheduled for 2022-23
- So far, a little over one lakh persons have been screened
- India seeks to eliminate the sickle cell disease by 2047

Topic	Key Points
Latest News	India launched its first CRISPR-based indigenous gene therapy for Sickle Cell Disease (SCD). Named BIRSA-101 after tribal icon Birsa Munda .
Launched By	Union Minister of State for Science & Technology.
Developed Under	Department of Biotechnology + National Mission on Sickle Cell Anaemia Elimination (2023–2030). Part of Aatmanirbhar Bharat in health.
What is the Therapy?	A gene-editing solution using CRISPR-Cas9 to correct the defective gene responsible for SCD. Aims at curative , long-term treatment .
Why is it Significant?	- First indigenous gene therapy- Boosts India's genomic medicine capabilities- Reduces global dependency- Major milestone in tribal healthcare
Disease Burden	Sickle Cell Disease disproportionately affects Central & Eastern India's tribal belt (Chhattisgarh, Odisha, Jharkhand, MP, Maharashtra).

Symptoms of SCD

Chronic anaemia, severe pain crises, infections, organ damage.

Historical/Extra UPSC Facts

- Sickle Cell mutation originated as **protection against malaria** (evolutionary fact).- 2023: India launched **National Sickle Cell Anaemia Elimination Mission**.- WHO recognises SCD as a major global genetic disease.

What is CRISPR?

A genome-editing technology using **Cas9 enzyme** to cut defective DNA and replace it with corrected DNA. Nobel Prize 2020 (Doudna & Charpentier).

Why Named BIRSA-101?

After **Birsa Munda**, a tribal freedom fighter—aligns with mission to help tribal communities.

Global Comparison

US and Europe have recently approved first CRISPR-based therapies; India joins the list, marking **low-cost innovation** potential.

Exam Angles

- Tribal welfare- Genomic medicine- National health missions- Biotechnology advancements- CRISPR applications



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Class24

Word of the day

Excoriate:

express strong disapproval of; tear or wear off the skin or make sore by abrading

Synonyms: condemn, decry, objurgate, reprobate, chafe

Usage: His latest article received excoriating reviews.

Pronunciation: newsth.live/excoriatepro

International Phonetic Alphabet: /ɪkˈskɔɹ.iˌeɪt/, /ɪkˈskoʊɹ.iˌeɪt/

