Daily Current Affairs



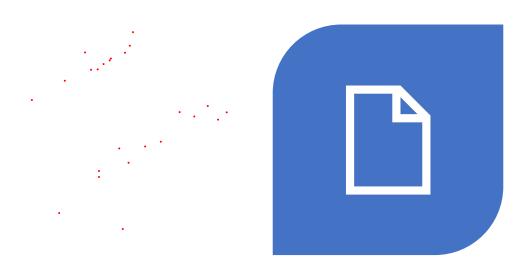








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PDF

10 MCQ QUIZ

• "The universe is under no obligation to make sense to you." — Neil deGrasse Tyson

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PRODE PRODUCTS Assam DSP held over Zubeen Garg's death NEWS IS MADE 4





SC slams CBL M.P. over delay in arrest NEWS NEADE A

Data mask scale of crime against Manipur women Point to underreporting of offences in the State OPINION TO PAGE 9



Harmanpreet's India takes on South Africa SPRINT IS PAGE SE

INSHIPE

7

Labour policy aims to combine social schemes

NEW YORKS traversal and portable social security is a lary compensant of the draft Postonal Labour and Employment Postay, which proposes to create a universal record by integrating social sector otherwise. The draft

Doctor attacked by deceased girl's father in Kerala

injuries on Wednesday after he was attacked with a machete by the father of an night-year old girl who died of in August in PAGE 8

'No formal word on Indian held by Ukrainian forces'

NEW DELDI

They were seeling more details about an indian national who claimed that he had been detained by Ukraintan authorities while fighting for the Bussian Army, a photol 8

NDA and grand alliance evenly poised in Bihar

Of the 131 co o the polls in the first phase -Allianus and the Opposition alliances are eventy

Trade pact a launchpad for growth: U.K. PM

The Trade Agreement presents unparalleled opportunities, says Starmer as he begins visit

The Hindu Bureau

he apportunities waiting to be select under the India-U.E. Free Trash agreement are "unparalleled", British Prime Minder Keir Sturmer and in Manufad on Wed.

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Starmer to meet PM Modi today to take stock of

Boosting ties: U.E. Prime Winister Keir Starmer interacts with a delegation accompanying him on his

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mustly.
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kets, Specifically, the U.E. will offer duty-free access on 99.95 of its tariff lines, covering 100% of the trade value immediately upon

Investments and visas Mr. Starmer's trip to India has yielded positive state-ments from some U.K. companies, such as Rolls-

Royce, about their future the Yash Rai Films (VRF) "We have deep ambi-

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the RRC, Mr. Starmer re-portedly said that no busi-ness leaders be had met so far raised the question of visas it added that, during the flight to India, Mr. Stormer said that visas "played no part" in the CE-TA and that the altuation had not changed. studio, where he met in dian producers and file

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and promitic collaboration between the film industries of the two countries. The U.K. government is used a release on Wednes-kay saying that there we tollywood movies would be made in the U.K. Will be made in the U.K. Will confirmed plans to bring their major productions to the second of the U.K. locations across the U.K. from early 2026.

Commerce and Indus-tries Minister Plyush Goyal met Peter Kyle, the U.K.'s with a view to moving for ward with the operationali-sation of the India U.K. CE-TA. the Commerce and Industry Ministry said in a statement. Mr. Kyle is part of the delegation accompa Mr. Starmer also visited nying Mr. Starmer.

Snowed in



Out in the subt) Snowfull disrupted staffs as the Munali-Lab Highway on Wei Product's high-abitives areas, according to the local venither office. Fit

Seven killed in explosion at firecracker unit in A.P.

L. Appala Sahlu

Seven persons, including three women workers and the proprietor, were killed to are explession at a fire-cracker manufacturing unt at V. Savaram village in Dr. B.R. Ambedkar Konaeema district of Andhra Pradesh on Wednesday. A short circuit in the electrical wiring system at the unit reportedly led to the accident.

PULL REPORT ON

properties. Initially, it was challeng-

But things changed when they succeeded in develop-

11 soldiers among 30 killed amid clashes in Pak, border province

Press Trust of India

At least II Pakistoni mili-tary personnel, including a Lieutemant-Colonel and a Major, were killed in classi-es with the Taliban miliants during an operation in Khyber Pakhtunkhwa province bordering Af-ghanistan, the Army said

In a statement, the In-ter-Services Public Relations (ISPR), the media wing of the military, said to militants of the 'Pitna al-Khowurij' were also killed

khawenti' were also killed during the operation in Orakeai district on Tues-lay high.

The Pakistan govern-ment last year mutified the banned Tehreeke e-Tailban Pakistan (Tehre e-Tailban (Tehre e-Tailb

and predicted that MOFs could be made flexible. Mr. Yight created a very stable MOF and showed that is can be modified us-ing rational design, giving it new and desirable During the "intense" ex-change of fire between se-curity forces and the militants, 19 terrorists "were sent to hell", the statement seld. It said that 39-year-old Lt. Col. Junald Tariq, who was leading his troops from the front, and his se-cond-in-command, 33instraty, it was challeng-ing for the scientific com-munity to appreciate MOF as they didn't seem to be much better than a closs of materials called secilities. year old Major Tayyab Ra-hat, were killed along with



Pakistan has seen a surge in attacks, in Pakhtunkhwa and finlechistso: Hat Harris

Previolent Auff Ali Zueda ri paid tributes to the "courageous action of ae-curity forces in the Oraksai

district. Mr. Eurdart expressed heartifelt sympathy with the families of the soldiers, proying that they brached and courage, a statement leased by the presidency said. "The entire nation stands as a lead wall with its armed forces." We stateits armed forces," the state-ment quoted him as

surge in militant attacks, particularly in Khyber Pak-htunkhwa and Balochistan provinces, after the banned TTP called off in and vewed to target securi-

they succeeded in develop-ing soft MO2" — a stop up-over a scoline: That were was able to present a flexi-ble material was kinagoos to be a succeeded to the soliders, was able to present a flexi-ble material was kinagoos to be a succeeded to the soliders, was filled when it was the soliders as the soliders as was filled when it was congruent to the soliders. The soliders as was filled when it was congruent to the soliders as the vain. He shall Pakistan will tone of terrorius. "We will can breathe age in and out, to the soliders are solider as the soliders and out. The soliders are soliders as the soliders are soliders as the soliders." It is solid facilities and out.

Trio wins Chemistry Nobel for bridging metals and organics

An Australian, a Japanese scientists were announced winners of the Nobel Prize in Chemistry for discover-ing and creating a class of materials, called metal-or-

gante frameworks (MOF). Metallic and organic Australia and the U.S. geo-graphically and it was in-conceivable that stable, conceivable that stable, useful products could be made out of materials formed by integrating them. But beginning Rithem. But beginning Ri-chard Robsen's initial con-ception of them in the mid-1970s, sparked from a science project for his Mel-tiourne University atu-dents; to Susumu Khaga-wa's dogged determina-tion, in Kyoto University, it erseating pursue miscodes

 despite knowing that they were "useless" – but trikering with them until he created the right kind of structures that were useful enough to work as a filter whilst remaining flexible and plant; to finally Cimar Yaghi at the University of California, Berkley, making a variety of metal-organi neworks, as he name them, that were capable of drawing water vapour ou of desert air at night and releasing them as water in the day. The three will

equally share the prize of the million. Swedish kroner, shout El crore.
Following the laureates Probaving the laurentees groundbreaking discoveries, chemids have since built tons of thousands of different MCFs. Some of these may contribute to solving some of human-kind's greatest challenges, with applications that include separating 1948 to

For the development of metal-organic frameworks



family of chemicals that are believed to be toxic) from water, breading down to be toxic from water, breading down to be create mess MCHs. These in the environment, sapturing carbon disolate or harvesting water from demonstration of the second of the sec

ing the inherent properties of atoms in a new way. He

combined positively charged copper ions with a four-armed molecule; this had a chemical group that

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Trade pact a launchpad for growth: U.K. PM

The Trade Agreement presents unparalleled opportunities, says Starmer as he begins visit

Starmer to meet PM Modi today to take stock of India-U.K. Comprehensive Strategic Partnership

The U.K. will offer duty-free access on 99.1% of its tariff lines, immediately upon enforcement

The Hindu Bureau

NEW DELHI

he opportunities waiting to be seized under the India-U.K. Free Trade Agreement are "unparalleled", British Prime Minister Keir Starmer said in Mumbai on Wednesday as he kick-started his first visit to India after assuming charge.

"It's the biggest deal we've struck since we left the European Union," Mr. Starmer said. "I think it's also the biggest deal that India has ever struck, so it's hugely important."

Mr. Starmer, accompanied by a delegation of nearly 100 entrepreneurs, cultural representatives, and university Vice-Chancellors, arrived in Mumbai for a two-day visit to take advantage of the opportunities brought about by the India-U.K. Comprehensive Economic and Trade Agreement signed in July.

"It's not just a piece of paper, it's a launchpad for growth. With India set to be the third biggest economy in the world by 2028, and trade with them about to become quicker and cheaper, the opportunities waiting to be seized are unparalleled," he said.

He will meet Prime Minister Narendra Modi on Thursday. They will address the sixth edition of the Global Fintech Fest in Mumbai.

"Welcome Mr. Starmer on your historic first visit to India with the largest ever trade delegation from the U.K.," Mr. Modi said on X. "Looking forward to our meeting tomorrow for advancing our shared vision of a stronger, mutually prosperous future."

"During the visit, on October 9 in Mumbai, the two Prime Ministers will take stock of progress in diverse aspects of the India-U.K. Comprehensive Strategic Partnership in line with 'Vision 2035', a focused and time bound 10-year road map of programmes and initiatives in key pillars of trade and investment,



Boosting ties: U.K. Prime Minister Keir Starmer interacts with a delegation accompanying him on his India visit. AFP

technology and innovation, defence and security, climate and energy, health, education and people to people relations," the External Affairs Ministry said.

Both leaders would engage with business and industry leaders regarding the opportunities presented by the trade agreement. "They will also exchange views on issues of regional and global importance," it added. The India-U.K. CE-TA aims at boosting bilateral trade by £25.5 billion annually.

It provides substantial tariff reductions on a range of goods, including textiles, whisky, and cars, enhancing competitiveness for exporters in both markets. Specifically, the U.K. will offer duty-free access on 99.1% of its tariff lines, covering 100% of the trade value immediately upon enforcement.

Investments and visas

Mr. Starmer's trip to India has yielded positive statements from some U.K. companies, such as RollsRoyce, about their future plans in India.

"We have deep ambitions to develop India as a home for Rolls-Royce, building on our strong and successful partnership," Tufan Erginbilgic, CEO of Rolls-Royce, said in Mumbai. "Our competitively adtechnologies vantaged across air, land, and sea applications position us to successfully build in-country capabilities and foster strategic partnerships that will accelerate India's progress towards a Viksit Bharat," he said.

Mr. Starmer, however, reportedly indicated that the U.K. would not be revisiting its visa requirements for Indians. According to the BBC, Mr. Starmer reportedly said that no business leaders he had met so far raised the question of visas. It added that, during the flight to India, Mr. Starmer said that visas "played no part" in the CE-TA and that the situation had not changed.

Mr. Starmer also visited

the Yash Raj Films (YRF) studio, where he met Indian producers and film stars, such as Rani Mukheriee.

The British Prime Minister is reportedly keen to strengthen cultural ties between India and the U.K. and promote collaboration between the film industries of the two countries.

The U.K. government issued a release on Wednesday saying that three new Bollywood movies would be made in the U.K. from next year, with YRF having confirmed plans to bring their major productions to locations across the U.K. from early 2026.

Commerce and Industries Minister Piyush Goyal met Peter Kyle, the U.K.'s Secretary of State for Business and Trade, in Mumbai with a view to moving forward with the operationalisation of the India-U.K. CE-TA, the Commerce and Industry Ministry said in a statement. Mr. Kyle is part of the delegation accompanying Mr. Starmer.

- Context: British Prime Minister Keir Starmer began his first visit to India after taking office.
- Agenda: To boost the India-U.K. Comprehensive Strategic Partnership and expedite the India-U.K. Free Trade Agreement (FTA).
- Quote: Starmer termed the agreement "the biggest deal since we left the European Union."
- Focus: Enhancing trade, investment, and cultural ties between the two nations.

2. India-U.K. Free Trade Agreement (FTA)

(a) Key Features

- Aims to provide duty-free access on 99.1% of tariff lines, covering 100% of trade value immediately upon enforcement.
- Expected to boost bilateral trade by £25.5 billion annually.
- Reduces tariffs on goods such as:
 - Textiles, whisky, automobiles, and other manufactured goods.
- Encourages collaboration in:
 - Technology, climate & energy, education, defence, health, and innovation.

(b) Institutional Mechanism

- The agreement is part of the Comprehensive Economic and Trade Agreement (CETA) framework.
- Aligned with the long-term "Vision 2035" roadmap for India-U.K. relations.

3. Strategic Outcomes of the Visit

Bilateral Talks:

- PM Starmer to meet PM Narendra Modi to review progress under the Comprehensive Strategic
 Partnership.
- Will address the Global Fintech Fest 2025 in Mumbai.

Sectoral Cooperation:

- U.K. industries (e.g., Rolls-Royce) to expand R&D and in-country production in India.
- Collaboration across air, land, and sea technologies.

Cultural Exchange:

- Strengthening film industry collaboration between Yash Raj Films (YRF) and U.K. studios.
- Three Bollywood movies to be filmed in the U.K. starting 2026.

4. Investments and Visa Reforms

- Starmer clarified visa policies remain unchanged, emphasizing trade over migration debates.
- Increased opportunities for business delegations, start-ups, and university collaborations.
- Promotes ease of doing business through reduced trade barriers.

4. Investments and Visa Reforms

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5. Significance

(a) For India

- Enhances market access for Indian textiles, pharma, and IT services.
- Positions India as a global manufacturing hub under Make in India and Atmanirbhar Bharat.
- Strengthens ties with one of India's top 5 trading partners.

(b) For the U.K.

- Access to India's 1.4 billion market post-Brexit.
- Opportunity to diversify beyond the EU.
- Supports the U.K.'s ambition to be a Global Britain in the Indo-Pacific.

A. Historical Context

- India-U.K. trade relations date back to colonial times; trade was once dominated by the East India
 Company (1600–1858).
- Post-Independence, ties evolved from Commonwealth cooperation to strategic partnership (2004).
- The India-U.K. 2030 Roadmap, signed in 2021, includes:
 - Trade & prosperity, defence cooperation, climate action, health, and people-to-people ties.

B. Polity & International Relations (IR) Angle

- Both are members of:
 - Commonwealth of Nations, G20, UN, and Financial Action Task Force (FATF) partner forums.
- The FTA aligns with India's Look West & Act East Policy, enhancing ties with Western economies post-Brexit.
- The U.K. is also a major investor in India over ₹3.2 lakh crore cumulative FDI (as per DPIIT data).

C. Economic Dimension

- Bilateral Trade (FY 2023–24): Over \$20 billion.
- India's key exports: textiles, gems & jewellery, pharma, machinery.
- U.K.'s key exports: Scotch whisky, automobiles, precision instruments.
- The agreement complements India's other FTAs with:
 - UAE (2022), Australia (2023), EFTA (2024), and ongoing talks with EU, Canada, and GCC.

D. Geopolitical Context

- The U.K.'s pivot to the Indo-Pacific aims to balance China's influence.
- India-U.K. cooperation supports the free and open Indo-Pacific (FOIP) concept.
- Defence partnership includes co-development in jet engines (Rolls-Royce) and aircraft carriers.

Trio wins Chemistry Nobel for bridging metals and organics

Jacob Koshy

NEW DELHI

An Australian, a Japanese and a Jordanian-American scientists were announced winners of the Nobel Prize in Chemistry for discovering and creating a class of materials, called metal-organic frameworks (MOF).

Metallic and organic substances are as far apart in the chemical world as Australia and the U.S. geographically and it was inconceivable that stable, useful products could be made out of materials formed by integrating them. But beginning Richard Robson's initial conception of them in the mid 1970s, sparked from a science project for his Melbourne University students; to Susumu Kitagawa's dogged determination, in Kyoto University, at creating porous molecules

- despite knowing that they were "useless" - but tinkering with them until he created the right kind of structures that were useful enough to work as a filter whilst remaining flexible and pliant; to finally Omar Yaghi at the University of California, Berkley, making a variety of metal-organic frameworks, as he named them, that were capable of drawing water vapour out of desert air at night and releasing them as water in the day. The three will equally share the prize of 11 million Swedish kroner, about ₹1 crore.

Following the laureates' groundbreaking discoveries, chemists have since built tens of thousands of different MOFs. Some of these may contribute to solving some of human-kind's greatest challenges, with applications that include separating PFAS (a

For the development of **metal-organic frameworks**



family of chemicals that are believed to be toxic) from water, breaking down traces of pharmaceuticals in the environment, capturing carbon dioxide or harvesting water from desert air, a press statement noted.

Molecular kit

Researchers have developed a molecular kit with a wide range of different pieces that can be used to create new MOFs. These have different shapes and characters, providing incredible potential for the rational –or AI-based – design of MOFs for different purposes.

First of the block and inspired by a project to make wooden block representations of chemical bonds,

Mr. Robson began by testing the inherent properties of atoms in a new way. He combined positively charged copper ions with a four-armed molecule; this had a chemical group that was attracted to copper ions at the end of each arm. When they were combined, they bonded to form a well-ordered, spacious crystal. It was like a diamond filled with innumerable cavities.

Mr. Robson immediately recognised the potential of his molecular construction, but it was unstable and collapsed easily. However, Mr. Kitagawa and Mr. Yaghi provided this building method with a firm foundation; between 1992 and 2003 they made, separately, a series of revolutionary discoveries.

Mr. Kitagawa showed that gases can flow in and out of the constructions and predicted that MOFs could be made flexible.

Mr. Yaghi created a very stable MOF and showed that it can be modified using rational design, giving it new and desirable properties.

Initially, it was challenging for the scientific community to appreciate MOF as they didn't seem to be much better than a class of materials called zeolites. But things changed when they succeeded in developing soft MOFs - a step up over zeolites that were hard. One of those who was able to present a flexible material was Kitagawa himself. When his material was filled with water or methane, it changed shape, and when it was emptied, it returned to its original form. It behaved somewhat like a lung that can breathe gas in and out, changeable but stable.

. . . .

- Nobel Prize in Chemistry (2025) awarded jointly to:
 - Omar M. Yaghi University of California, U.S.
 - Richard Robson University of Melbourne, Australia
 - Susumu Kitagawa Kyoto University, Japan
- Discovery: Development of Metal-Organic Frameworks (MOFs) a new class of crystalline materials combining metal ions and organic linkers.
- Prize Amount: 11 million Swedish kronor (≈ ₹1 crore).

2. About Metal-Organic Frameworks (MOFs)

(a) Definition

- MOFs are porous crystalline structures made by coordinating metal ions with organic molecules.
- They create a 3D network with huge internal surface area a few grams can have the area of an entire football field!

(b) Properties

- Extremely lightweight and porous.
- High surface area → allows absorption, filtration, and gas storage.
- Flexible yet stable → can "breathe" like a lung (expand and contract with gases).
- Can be designed atom-by-atom using "reticular chemistry."

(c) Applications

- Climate change mitigation: Capturing CO₂ and other greenhouse gases.
- Water harvesting: Drawing water vapour from desert air and releasing it as liquid water.
- Energy: Hydrogen and methane storage for clean fuels.
- Environment: Filtering PFAS ("forever chemicals") and pharmaceutical residues.
- Industry: Used in sensors, catalysts, and semiconductor manufacturing.

3. Scientific Significance

(a) Bridge Between Metal and Organic Chemistry

- Traditionally, metals (inorganic) and carbon compounds (organic) were studied separately.
- MOFs combine metal ions (inorganic) with organic linkers → bridging two major chemical worlds.

(b) New Grammar of Matter

- MOFs redefine how matter can be designed from finding new materials to constructing them atomically for desired properties.
- Marks the rise of "Reticular Chemistry", pioneered by Omar Yaghi.

4. Historical Development

Year	Scientist	Discovery / Contribution
1970s	Richard Robson	First envisioned linking metal ions with organic molecules.
1990s	Susumu Kitagawa	Created flexible MOFs that could "breathe."
1995–2003	Omar Yaghi	Systematized MOF design; coined "Reticular Chemistry"; developed MOF-5.

A. Science & Technology Angle

- MOFs are part of Nanochemistry and Advanced Material Science.
- Related fields:
 - Zeolites (precursors to MOFs).
 - Graphene & Nanotubes (carbon-based frameworks).
- India's relevance: CSIR and IITs are already working on CO₂ capture and desalination using MOFs.

B. Environmental Context

- Global relevance: Helps meet Paris Climate Agreement targets through carbon capture.
- SDG Linkages:
 - SDG 6 Clean Water and Sanitation
 - SDG 7 Affordable and Clean Energy
 - SDG 13 Climate Action
- Could revolutionize desert-region water access (e.g., Rajasthan, Africa, Middle East).

IN SERVICE



At least six injured in scooter explosions at Kanpur market

Two sousters parked in the congested Midrit Basaar near the Markar mosque in Kanpur exploded seconds apart on Wednesday evening, injuring six people and damaging nearby shops, the police said. The blants occurred around 7.30 p.m. in the crowded Meolganj aron. The sound of the explosions was heard up to 500 metres from the spot. The injured were rushed to hospital. Two of them were discharged after first aid and two others are undergoing treatment for burns, said Police Commissioner of Kampur Baghubir Lal. He added that the incident was being

4 workers killed, 6 injured as lift crashes in Chhattisgarh

At least four workers were killed and six injured after a lift collapsed from a height at a power plant in Chhartingarh's skind theries, the police sold on Wednesday, Among the injured, hou are sold on Wednesday, Among the injured, hou are sold on Wednesday, Among the injured, hou are sold on the Superintendent of Police Anklus Sharms and Ma. Sharma told The Hindu that the assistent had taken place at KRM Dowerpen Private Led's plant in the Dathrus area of Ucclapiteds village on Thomby injury. ground when the lift collapsed. We reached the spot and took them to findal Portis Hospital in neighbouring Raigarth district. A case has been registered against the owner of the company."

ED curbs fake summons scam with new QR code verification

The Enforcement Directorate (ED) has implemented a mechanism of generating automous through a spream that includes a QR code and a unique peaced to rename that code and a unique peaced to rename that code and a unique peaced to rename that moves from people using fishe automoses.

Officials have been instructed to issue all automoses through the system, except in certain exceptional disamentances. The summons generated from the cyclics will be duly automose generated from the cyclics will be duly signed and stamped by the issuing authority and will include the officer's official email ID and the phone number. The verification of the summor can be done 24 hours after the date of issue.

Chillies in defamation case

Draft labour policy unites social security schemes

It aims at creating universal, portable social security accounts for all workers by 2030; it also seeks to raise women's labour participation to 35%, offer single window digital compliance for MSMEs

create a universal account by integrating the Em-ployees Provident Fund Organisation, Employees State Insurance Corpora-tion, Pradhan Mantri Jan Arogya Yojana, e-SHRAM, and State welfare Boards. The draft policy, known as the Shram Shakti Niti, 2028, was released on Wednesday for public consultation.

commitation.

The proposals include the implementation of the templementation of the Health Code wills risk-based inspections, gender and the condition of the code of t Labour Minister Mansakh Mandaviya said.

"Rooted in India's civiliestional ethos of framo dharma, the dignity and moral value of work, the



policy envisions a labour ecosystem that ensures protection, productivity, and participation for every worker. It seeks to create a balanced framework that upficels worker's welfare while enabling enterprises to grow and generate au-cainable livelihousle," Mr. Mandaviya said.

Policy outcomes Expected outcomes Expected outcomes of the policy include universal worker registration and so-cial security portubility. near-zero workplace fatali-ties, increased female labour-force participation, a sharp reduction in infini-mal jobs through digital through digital boar governance capacity in all states, the creation of millions of green and de-cent jobs, and a fully con-graised. Workforce: grained Workforce: Coopystem: The last date to submit suggestions on the last in Challer 27.

"Progress will be tracked through real-time dashboards, a Labour & The draft policy seeks to Employment Policy Eval-uation Index (LPEI) benchincrease women's partici-pation in the labour force to 35% by 2030, and exmarking States, and an Annual National Labour Report to Parliament," the

their for youth. It also pro-pensis a single-window for digital compliance, with self-certification and sim-plified returns for MMRs. Promotion of green jobs, Afenabled safety systems, just trajution pathways on the property of the pro-perty of the property of the pro-teers of the pro-t national labour data archi tecture ensuring inter-mi-nisterial coherence and transparent monitoring are also part of the policy document.

Accountability plan Policy implementation will proceed in three phases. Phase I (2025-27) focuses on institutional setup and

on institutional serup and social security integration. Furing Phase II (2027-20), the nationwide rollout of autiversal ascial society accounts, along with shif-credit systems, and dis-trict-level knapleyment Fa-trict-level knapleyment Fa-trict-level knapleyment Fa-trict-level sampleyment Fatrict-level sampleyment Fatrict-level sampleyment Fatrict-level sampleyment Fatrict-level sampleyment Fatrict-sampleyment Fatrict-sampleyme paperless governance predictive analytics, and continuous policy renewal

After delays, IAF set to receive first Tejas Mk1A fighter jet

Saurabh Trivedi

The Indian Air Force (IAV) is set to resolve its first light combat aircraft (I.CA). Telas MikiA on October I7 during a cereasinty in Nashik, marking a significant milestone in India's moligenous programming to officials.

According to officials, two Tujas MkiA jets will be hunded over to the IAF in the presence of Defence Minister Rajnuth Singh. He will visit the Hindustan Ae-ronautics Limited (HAL) facility and interact with the staff involved in

MACAGON IN A STATE OF THE STATE

Aerospace under way.
Defence analysis point
out that the IAF is operating with 29 squadrons and that it may take at least five years to bridge the capabil-



due to slow singson deliveries

Operation Sindoor, no sig-nificant progress has been made in repleasishing the depleted lighter squadrons. Recently, two MIG-21 squadrons have

IAF chief Air Chief May shal Amar Proet Singh re-cently voiced his concern "Hungry mouths are rea "Huggey mouths are rea-dy, we are waiting for the firm!," he said, emphasis-ing that to maintain opti-ous territorial strength, the force re-quires two squadrons. - 30 to 40 aircraft - produced every year. Meanwhile, the IAF's proposal to acquire H4 multi-role fighter sir-eral (MEPA) continues to transcent them to the seconds. progress through precedu-ral singes.

The Defence Ministry is

considering a plan to pro-cure "Made in India" Ra-fales, with at least in ex-pected to be delivered off-the-shelf in the near

WHO seeks clarification from India if cough syrup has been exported to other countries

Hindu Shajan Perappadan. RKW DELIO

The World Health Organization (WHO) has rought clarification from India on clarification from India on whether the cough syrup linked to over 15 child deaths in the country have been exported to other countries, a senior official of the global health agency

of the global health agency said on Wednesday.
The WHO is yet to issue a Global Medical Products Alert on Caldrif syrup, the cough syrup which has allegedly caused the child seaths in Madlays Psadesh and Bajauthur. The official and legisthur the resed for an alert will be investigated. only after receiving a res-ponse from Indian health authorities. So for at least 17 children aged below five have died



in India allegedly after con

in India allegestly after con-suming cough syrup con-taining a toxic compound diethylene glycol (DEG). Coldrif was manufactured by Sream Pharmaceuit cals, based in Tamil Nadu. The company is varrently ander lavestigation.

The Central government, in an order dated becomber 18, 2023, had said that the fixed-dose combination (FDC) of

chlorphentramine maleat IP 2mg and phenylophrine HCI IP Sing drop/ml "should not be used in children below four years o

age."
Prescribed to treat

Prescribed to treat symptoms of cold and cough, tochuling runny rose, anceing and sore cold, to the cold, to emphasis on the manulatory testing of raw materials and finished pharmacouti-cal products before release in the market.

India to boost solar pumps scheme in Africa, island nations

The Hindu Bureau

The Union government is looking to showcase the PM-RUSUM Gradban Mantri Kisan Urja Suraksha evam Urthan Mahabhiyan)

evan Urthan Mahabhiyam programme to several Afri-can rountries and island nations, Union Minister for assistant, Union Minister for Pralliad Joshi said on Westinesslay, "We are looking to show case both the PM-KUSUM and the January chinar for programme in countries which have problems with connectivity. We are doing the Africa and island fine of the countries that the problems with connectivity. We are doing this in Africa and island fine of the problems with connectivity. We are doing this in Africa and island fine of the problems with connectivity. We are doing this fine and island the countries of the problems with connectivity. We are doing this fine and island the problems of the problems of the problems with connectivity. We are doing this problems with connectivity. We are doing this problems with connectivity. We are doing the problems with the prob Cinternational Solar Al-liance) platform," Mr. Joshi said at a curtain-raiser event for the ESA's eighth General Assembly, sche-

The Hindu Bureau

programme in meant to be to be considered in the second of the control of the con

of decentralised grid com-nected conewable energy power plants, and first-29% of grid-connected solar numps have been installed.

Cong. targets Centre over U.S.-Pakistan military deal

The Congress on Wednes day targeted the Centre of ter reports that the United States is set to supply Raytheon-manufactured ate-to-air rejusibes to Pakis

backs accumulate".
Taking to social media platform X, Congress general secretary (Communicationa) Jairam Ramesh effect two public notifications of the U.S. Department of Wer on military contracts.

According to the notin-cation, the contract in-volves foreign military

Delhi HC issues notice to Red

The Delit High Court on Wednesday issued notice to feel Chillies Korterainsment, Notified and notice to feel Chillies Korterainsment, Notified and feel Chillies Korterainsment, Notified and Everans Service (169) officer Sameer Wandshede against the makers of the series Both Advance House of the Market Perudiation Kompa Kourav the Sameer of the Chillies, X, Gongle, and Mein Hartform, and asked them to the their repilies will in severe days, the court did not pass any series of the Chillies, X, Gongle, and Mein Platforms, and asked them to the their repilies will never days. The court did not pass any series of the Chillies of the Sameer of the S

So, this river destroyed a man's soof (fill ID Report of French writer (ii)
 Seaman's house in dry lake (4,4)

SUDOKE THEROSEWORD + 14609 of accounts to the property of the party of the pa

opera, marcord and totally autounding (6)

18 Usual partner's curiously mysterious (12)

10 Tipsy Spooner to claim, "Have no healtation for a youldar based drink (12)

21 Journey following daybreak (6)
22 Handle helping to make revolutionary 'He-Man' resurrect (6)
23 Handle helping to make revolutionary 'He-Man' resurrect (6)
24 Handle helping to make revolutionary 'He-Man' resurrect (6)

24 Alumni primarily connected around university and flourished (6) 25 Bit and i buried in the past slowly (6)
26 Having Earl with a couple of females exercising (8)
27 Tree God's herristage (6)

Portiago ears used frequently to change one's mind? (8)

Will begins to operate pretty small and light boats (8) Worthless exchanges? (4-3-8) Binger Versie has range (4) Multitasker? Described as one without any pupils? (4,2,3,6)

Sumehow tag air instrument (8)
As per Spanner, all of us settle in recent? (6)

I Garu's cap held by two old ladies (7) Heard knight succeed and outdo (7) Killer without licence, basically foreigner (iii) 17 Per full seer reception area (8)
19 Surring cafe blames missing guards (6)
20 time position on the field? (3-3)
21 interes walling (4)

9 8 3 8 4





FARES

Winning the battle within

Dambedbava, an asura, who undertook intense penance to Lord Brahma, asked for LOGO kewsches Garmour shields to protect his body, lack Annucha could be destroyed only by one who had performed a minimum of 12 years of signosin penance. Annuel with his beau, he gewen so disposine penance, Annuel with his blacen, he gewen to the state of the signosis of Lord Visbon, at Backbash and Narayana, hearnations of Lord Visbon, at Backbash ann. They look turns — while one performed austerities for 12 years, the other Fought Dambodbawa and broke a ku-sazha. In his way, they destroyed 1998 dannlass. When only the last the renained, thatheothese fied to the stat who remained the final backbash as reborn fleet on the stat who remained the final backbash as reborn fleet as the remained.

Loot for retuge, it is such that the was report later as martia, who retained the final havacha. In his previous birth, Duryodhans was an saura named falls, He did severe penance to Lord Siva. He asked for a sayre-like body as that no one could debad thin is his next life. But he committed a sin against Goddess Parvalhi. She cursed him, and because of that curse, his boon was wea-lenest. In his next birth as Duryodhana, he was strong but

somed, in his next birth as thuryoulhanis, he was strong but not invincible, and the strong strong strong that the Trimskutindhal it's venkatesh said in a discourse the Trimskutindhal it's venkatesh said in a discourse the opps and self-importance, he joined hands with huryoulhanis, who was full of arrogance, haughtiness, and ariger. Togother, their qualities led them to stand against Dhar-Togother, their qualities led them to stand against Dhar-Togother, their qualities led them to stand against plan-kristina to defour the evil pair of Duryoulhanis and Karna. We are influenced by sevi direces such as angue, printe, and arrogance. To escape their chickes, we need the support and blessings of God, and we should pray for the same.

Draft labour policy unites social security schemes

It aims at creating universal, portable social security accounts for all workers by 2030; it also seeks to raise women's labour participation to 35%, offer single-window digital compliance for MSMEs

The Hindu Bureau

NEW DELHI

niversal and portable social security is a major component of the draft National Labour and Employment Policy, which proposes to create a universal account by integrating the Employees Provident Fund Organisation, Employees State Insurance Corporation, Pradhan Mantri Jan Arogya Yojana, e-SHRAM, and State welfare Boards.

The draft policy, known as the Shram Shakti Niti, 2025, was released on Wednesday for public consultation.

The proposals include the implementation of the Occupational Safety and Health Code with riskbased inspections, gendersensitive standards, and the convergence of various skills schemes. The draft policy presents a renewed vision for a fair, inclusive, and future-ready world of work aligned with the national aspiration of a developed India by 2047, Union Labour Minister Mansukh Mandaviva said.

"Rooted in India's civilisational ethos of śrama dharma, the dignity and moral value of work, the



Workforce reforms: The policy envisions a labour ecosystem that improves protection and productivity for every worker. FILE PHOTO

policy envisions a labour ecosystem that ensures protection, productivity, and participation for every worker. It seeks to create a balanced framework that upholds workers' welfare while enabling enterprises to grow and generate sustainable livelihoods," Mr. Mandaviya said.

Policy outcomes

Expected outcomes of the policy include universal worker registration and social security portability, near-zero workplace fatalities, increased female labour-force participation, a sharp reduction in informal jobs through digital compliance, AI-driven labour-governance capacity in all States, the creation of millions of green and decent jobs, and a fully converged "One Nation Integrated Workforce" ecosystem. The last date to submit suggestions on the draft is October 27.

The draft policy seeks to increase women's participation in the labour force to 35% by 2030, and expand entrepreneurship and career guidance initia-

tives for youth. It also proposes a single-window for digital compliance, with self-certification and simplified returns for MSMEs. Promotion of green jobs, AI-enabled safety systems, just-transition pathways for workers, and a unified national labour data architecture ensuring inter-ministerial coherence and transparent monitoring are also part of the policy document.

Accountability plan

Policy implementation will proceed in three phases. Phase I (2025-27) focuses on institutional setup and social-security integration.

During Phase II (2027-30), the nationwide rollout of universal social security accounts, along with skillcredit systems, and district-level Employment Facilitation Cells. Phase III (beyond 2030) will bring in paperless governance, predictive analytics, and continuous policy renewal.

"Progress will be tracked through real-time dashboards, a Labour & Employment Policy Evaluation Index (LPEI) benchmarking States, and an Annual National Labour Report to Parliament," the document says.

- The draft National Labour and Employment Policy (NLEP) aims to:
 - Create universal, portable social-security accounts for all workers by 2030.
 - Integrate existing schemes like:
 - Employees' Provident Fund Organisation (EPFO)
 - Employees' State Insurance Corporation (ESIC)
 - Pradhan Mantri Jan Arogya Yojana (PMJAY)
 - e-SHRAM portal
 - State welfare boards
 - Raise women's labour-force participation to 35 %.
 - Provide single-window digital compliance for MSMEs.

2. Vision and Framework

- Rooted in India's civilisational ethos of Śrama Dharma (dignity and moral value of labour).
- Seeks to create a balanced labour-governance framework ensuring:
 - Protection, productivity, and participation for every worker.
 - Sustainable livelihoods and enterprise growth.
- Aligned with Shram Shakti Niti 2025 and national goal of a developed India @ 2047.

3. Key Provisions

(a) Occupational Safety & Health

Risk-based inspections, gender-sensitive standards, and convergence of skills schemes.

(b) Digital Integration

- Single-window system for MSME compliance (self-certification + simplified returns).
- Al-enabled safety systems and labour data dashboards for transparency & monitoring.

(c) Green & Inclusive Jobs

- Promotion of green jobs, Al-driven safety, just-transition pathways for workers.
- Skill development and entrepreneurship support for youth.

4. Implementation Plan (Phased Approach)

Phase	Duration	Focus
Phase I (2025–27)	Institutional setup, social-security integration	
Phase II (2027-30)	Universal social-security rollout, digital labour governance	
Phase III (Beyond 2030)	Paperless governance, predictive analytics, continuous policy review	

5. Expected Outcomes

- Universal worker registration & social-security portability.
- Near-zero workplace fatalities.
- Increase in formal jobs and reduction in compliance burden.
- Converged "One Nation Integrated Workforce" ecosystem.
- Boost in women's workforce participation to 35 % by 2030.

6. Accountability & Tracking

- Real-time dashboards and state benchmarking.
- Continuous review via predictive analytics and digital data architecture.

A. Historical Context

- Labour reforms in India began post-Independence with:
 - Factories Act (1948), Minimum Wages Act (1948), EPF Act (1952).
- Second National Commission on Labour (2002) recommended consolidation of numerous laws → led to four labour codes (2019–20):
 - Code on Wages, Industrial Relations Code, Social Security Code, Occupational Safety & Health Code.
- The present draft NLEP is the next step toward "Labour Governance 2.0."

B. Polity Angle

- Labour is a Concurrent List subject (Entry 22–24, Seventh Schedule, Article 246).
- Enables centre-state cooperation in welfare & safety standards.
- Reflects Directive Principles of State Policy (DPSPs):
 - Article 38 Promote welfare of people.
 - Article 39 Ensure equal pay and adequate livelihood.
 - Article 41 Right to work, education, public assistance.
 - Article 42 Just and humane conditions of work.

C. Economic Significance

- India's informal workforce ≈ 90 % of total labour; hence portability is crucial.
- MSMEs = ~30 % of GDP & 48 % of exports → digital compliance reduces friction.
- Female LFPR (PLFS 2023-24) ≈ 27 % → target 35 % by 2030 aligns with SDG 5 (Gender Equality).
- Supports Atmanirbhar Bharat, Digital India, and Green Transition goals.

D. International Comparison

- Mirrors ILO's Recommendation 202 (2012) on Social Protection Floors.
- Countries like Brazil (Bolsa Familia) and UK (Universal Credit) already integrate welfare accounts →
 India's move aligns with global best practices.

After delays, IAF set to receive first Tejas Mk1A fighter jet

Saurabh Trivedi NEW DELHI

The Indian Air Force (IAF) is set to receive its first light combat aircraft (L/CA) Tejas MkIA on October 17 during a ceremony in Nashik, marking a significant milestone in India's indigenous fighter jet programme.

According to officials, two Tejas MkIA jets will be handed over to the IAF in the presence of Defence Minister Rajnath Singh. He will visit the Hindustan Aeronautics Limited (HAL) facility and interact with the staff involved in production.

HAL's contract to deliver 83 Tejas MkIA aircraft – originally scheduled to begin in February 2024 – has faced delays primarily due to slow engine deliveries from General Electric (GE Aerospace). With only one or two engines being supplied per month, HAL now targets completing deliveries within four years.

Negotiations for an additional 97 Tejas MkIA fighters are in the final stages, with talks between the Ministry of Defence and GE Aerospace under way.

Defence analysts point out that the IAF is operating with 29 squadrons and that it may take at least five years to bridge the capabil-



The HAL's contract to deliver 83 Tejas Mk1A aircraft faced delays due to slow engine deliveries.

ity gap. Even months after Operation Sindoor, no significant progress has been made in replenishing the depleted fighter squadrons. Recently, two MiG-21 squadrons have been decommissioned.

IAF chief Air Chief Marshal Amar Preet Singh recently voiced his concern, "Hungry mouths are ready; we are waiting for the food," he said, emphasising that to maintain optimal strength, the force requires two squadrons - 30 to 40 aircraft - produced every year. Meanwhile, the IAF's proposal to acquire 114 multi-role fighter aircraft (MRFA) continues to progress through procedural stages.

The Defence Ministry is considering a plan to procure "Made in India" Rafales, with at least 18 expected to be delivered off-the-shelf in the near term.

- The Indian Air Force (IAF) will receive its first two Tejas Mk1A Light Combat Aircraft (LCA) on October 17, 2025.
- Ceremony to be held at Hindustan Aeronautics Limited (HAL), Nashik, in presence of Defence
 Minister Rajnath Singh.
- Marks a significant milestone in India's indigenous fighter jet development programme.

2. Background of the Tejas Programme

(a) Origins

- Project initiated: 1983
- Objective: Replace ageing MiG-21 fleet with an indigenous, multi-role, light combat aircraft.
- Developer: Aeronautical Development Agency (ADA) & Hindustan Aeronautics Limited (HAL) under DRDO.

(b) Earlier Variants

- Tejas Mk1: Already inducted; around 40 in IAF's 45 Squadron ("Flying Daggers").
- Tejas Mk1A: Upgraded version with modern avionics, radar, and electronic warfare systems.

3. HAL's Delivery Contract

- HAL signed a ₹48,000 crore contract in February 2021 to supply 83 Tejas Mk1A aircraft (73 fighters + 10 trainers) to the IAF.
- Original delivery start: February 2024.
- Delay caused by slow engine supply from General Electric (GE Aerospace, USA).
- Revised delivery: October 2025, with completion within 4 years (by 2029).

4. Key Features of Tejas Mk1A

Parameter	Specification
Engine	GE F404-GE-IN20 (U.S. origin); talks ongoing for GE F414 co-production in India
Speed	Mach 1.6 (≈ 2,000 km/h)
Range	1,850 km
Weapons	Astra air-to-air missile, Derby, Python, laser-guided & anti-ship missiles
Radar	AESA (Active Electronically Scanned Array) radar
Features	Mid-air refuelling, electronic warfare suite, digital cockpit

5. Strategic Significance

- Strengthens Atmanirbhar Bharat initiative and Make in India (Defence).
- Reduces reliance on foreign fighter imports.
- Enhances IAF's operational flexibility with a lighter, agile, multi-role aircraft suited for:
 - · Air-to-air combat
 - Ground attack
 - Reconnaissance missions

6. IAF's Current Fleet & Requirements

- IAF operates only 29 combat squadrons, vs. sanctioned strength of 42 (required for full operational readiness).
- Two MiG-21 squadrons recently decommissioned.
- IAF requires 30-40 new fighters per year to maintain balance.
- Hence, India also pursuing:
 - 114 Multi-Role Fighter Aircraft (MRFA) tender (foreign participation).
 - 97 additional Tejas Mk1A under negotiation.
 - Made-in-India Rafale proposal (18 to be produced domestically).

Era	Aircraft	Organisation	Status
1950s	HF-24 Marut	HAL (with German designer Kurt Tank)	First indigenous fighter jet
1983–2001	LCA Tejas Project	ADA & DRDO	Design & prototype phase
2016	LCA Tejas Mk1	HAL	Operational induction
2025	LCA Tejas Mk1A	HAL	Upgraded, mass production
2030+ (planned)	AMCA (Advanced Medium Combat Aircraft)	ADA	5th-generation stealth fighter under development

B. Economic Significance

- Indigenous defence manufacturing saves \$5–6 billion annually in import bills.
- Generates employment for over 10,000 engineers & technicians.
- HAL facilities in Nashik, Bengaluru, and Koraput are key manufacturing hubs.

C. Technological Aspects

- AESA radar: Detects multiple targets, offers electronic countermeasures.
- Fly-by-wire control system: Enhances manoeuvrability.
- Composite airframe: 45% lighter than conventional metal.
- Net-centric warfare capable: Integrated with IAF's AFNET.

D. Strategic & Defence Angle

- Strengthens India's self-reliance in combat aviation under Defence Production and Export Policy 2020.
- Supports India's export ambitions to nations like:
 - Malaysia, Argentina, Philippines, and Egypt (LCA bids submitted).
- Complements indigenous systems like Akash missile, BrahMos, and Arjun MBT.

Fact Detail

Developer ADA & HAL

Manufacturer HAL

Engine GE F404 (to be replaced by GE F414 in future)

Speed Mach 1.6

Range 1,850 km

Contract Value ₹48,000 crore

Delivery Timeline 2025–2029

Indigenisation Level ~70%

IAF Requirement 42 squadrons

Next-gen Fighter AMCA (under development)

India to boost solar pumps scheme in Africa, island nations

The Hindu Bureau

NEW DELHI

The Union government is looking to showcase the PM-KUSUM (Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan) programme to several African countries and island nations, Union Minister for Renewable Energy (MNRE) Pralhad Joshi said on Wednesday.

"We are looking to showcase both the PM-KUSUM and the PM Surya Ghar (for rooftop solar installations) programme in countries which have problems with connectivity. We are doing this in Africa and island countries through the ISA (International Solar Alliance) platform," Mr. Joshi said at a curtain-raiser event for the ISA's eighth General Assembly, scheduled later this month. The ₹34,000-crore PM-KUSUM programme is meant to boost solar energy infrastructure in agriculture by setting up 100 GW of solar power plants in farmerowned land. Launched in 2019, it was to have added a solar capacity of 308 GW by 2022, but has missed targets. The Centre then set a new target, of 348 GW with a deadline of March 2026.

As of September 30, only one part of the scheme, where 17.5 lakh standalone solar pumps were to be installed has made notable progress. About 70% of the pumps have been installed. On the other hand, only 6% of decentralised grid-connected renewable energy power plants, and 16%-25% of grid-connected solar pumps have been installed.

- The Government of India plans to showcase the PM-KUSUM scheme (Pradhan Mantri Kisan Urj Suraksha evam Utthaan Mahabhiyan) in African countries and island nations.
- This will be done via the International Solar Alliance (ISA) platform.
- Aim: Promote solar energy infrastructure in agriculture and strengthen India's renewable diplomacy.

2. Key Stakeholders

- Ministry: Ministry of New and Renewable Energy (MNRE)
- Minister: Prahlad Joshi
- Platform: International Solar Alliance (ISA)
- Schemes showcased:
 - PM-KUSUM: Solar energy for irrigation and agriculture.
 - PM Surya Ghar: Rooftop solar installations for households.

3. About PM-KUSUM Scheme

(a) Launched: 2019

(b) Objective:

- Promote solar power in agriculture by:
 - 1. Setting up 100 GW of solar power plants on farmers' land.
 - 2. Installing 17.5 lakh standalone solar pumps.
 - Providing decentralised grid-connected solar power plants.
- (c) Budget: ₹34,000 crore.

(d) Target:

- Originally 308 GW by 2022.
- Revised 348 GW by March 2026 (due to delays).

4. Progress (as of September 2025)

Component	Target	Achievement
Standalone solar pumps	17.5 lakh	70% installed
Decentralised renewable energy power plants	_	6% installed
Grid-connected solar pumps	-	16–25% installed

5. International Expansion

- India plans to replicate the KUSUM and Surya Ghar models in:
 - Africa (Kenya, Tanzania, Ethiopia, Ghana, etc.)
 - Island nations (Maldives, Mauritius, Seychelles, Pacific nations).
- Aim: Help countries with connectivity and energy access challenges.
- To be formally presented during the 8th ISA General Assembly.

A. About the International Solar Alliance (ISA)

- Founded: 2015 (Paris Climate Conference, COP21).
- Headquarters: Gurugram, India.
- Members: 120+ countries (mainly between Tropic of Cancer and Tropic of Capricorn).
- Motto: "One Sun, One World, One Grid."
- Objective: Promote solar energy and reduce dependence on fossil fuels.
- India & France are founding members.

B. Significance for India

- Strengthens India's image as a leader in global renewable diplomacy.
- Aligns with India's Net Zero by 2070 goal (announced at COP26, Glasgow).
- Enhances South-South Cooperation and climate finance credibility.
- Boosts domestic solar equipment manufacturing under Atmanirbhar Bharat.

C. Economic Angle

- Reduces diesel dependence in agriculture → lowers import bills.
- Increases farmer income by enabling dual use of land (farming + solar).
- Encourages private sector participation and MSME growth in solar pump manufacturing.

G. Challenges

- Slow implementation: Delays in subsidy disbursement and equipment supply.
- Financial viability: Farmers' upfront cost and distribution companies' (DISCOMs) payment issues.
- Land and water-use conflicts in rural areas.
- Low adoption rate of decentralised solar grids.

H. Expected Outcomes

- Expansion of India's solar diplomacy footprint.
- Acceleration toward energy security and green growth.
- Potential creation of 1.5–2 lakh new jobs in installation, maintenance, and solar manufacturing sectors.

Text&Context

THE MAN HINDU -

NEWS IN NUMBERS

Men assaulted while transporting cattle in Maharashtra

in Haharachtra's Jaina distrut men wore assaulted by a group accurring them of transporting cattle for disapplier. The victims and they were moving 21 bulls for agricultural purposes with valid documents when attacked with attacks and lags, heline resoured the injured men and suized the nattle.

Children rescued by RPF from Eastern railway stations

The flatiway Protestian Furse IRPF) rescued 13 children, including eight minors allegedly being trafficked, from various stations under the fastern fieldley, the suspected trafficker was arrested at Sehibgani reliway. station while attempting to take the children to Dolhi for labour work.

Number of road repair projects launched by the Delhi PWD

Fine imposed by DGCA on IndiGo over lapse in pilot training

The Delhi Public Works
Department DMD1 will
under the Christophi and
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The value of banned tobacco seized in

13 49 in T liab. The conflictabed demain included to back products. An IFI has been filled under the Bharatise Meyes Sochita and Fandi Safely and Sandesste regulations. In COMPLETE OF THE HIMBURGE PARK THAN

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Are workers' rights being eroded?

What happened at the Sigachi Industries chemical factory in Telangana when a chemical reactor burst? What has the International Labour Organization (ILO) said about industrial accidents? What laws are in place in India that protect workers' rights?

EXPLAINER

Gautam Mody

The story so far?

In the story so far the Sigachi Industries chemical Instory in Industries chemical Instory in Industries chemical Instory in Industries Claim (Industries Claim) (Ind The story on far-India. This is a conservative figure, given India. This is a conservative figure, given the whilespread underreporting of workplace injuries and deaths, especially among contract and informal workers whose employment is neither registered nor protected by law.

Why do workplace accidents occur? Accidents occur not because they are inevitable but because employers fall to prevent them. Prevention means eliminating husards through proper workplace design, equipment maintenance, safety externs, and by enforcing protective procedures and training all workers and supervisors

The Telangana explosion is a case in point. The reactor was operating at twice the permissible temperature. No alarms went sift, and no safety officer intervenied. The machinery was outdated, maintenance was ignored, and repeated worker complaints were dismissed. When worker complaints were dismissed. When the blast occurred, workers jumped factory walls in sake themselves. The required on eiter ambidance was missing in a damaged company bus. Even after a week, authorities could not determine how many were "missing" which is clear evidence that unregistered workers were



because managements cut corners, underinvesting in safety to reduce costs and maximise profit. Even when employers blame "human error," the real causes lie in employer practices: long working hours, inadequate rest, excessive work pressure, or wages so low that vorkers are forced to take double shifts.

What are the laws in place in India? What are the laws in place in India? Workers have fought for safer workplaces since the dawn of the industrial age. The first Pactories Act in India was enacted in 1881. After Independence, the Factories Act, 1948 became the cornerstone of

working in a highly hazardous plant with collection of the process through licensing and inspection, and a combination of acheduled and surprise checks. Though imperfect, this allowed workers, especially unionteed ones, to file complaints and compel employers to act But the Illupul trappely exposed its limits – inspections could be bribed away.

records falsified, and violations igno-india's mechanisms to compensa-injured or deceased workers – the injured or deceased workers – the Workmer's Compensation Act, 1923 and Employees' State Insurance Act, 1948 – recognise compensation for loss of earnings, including Bettine income. However, in practice, such compensation

remains meagre.

More importantly, these laws do not hold employers criminally accountable. When such accidents draw media attention, governments announce ex gratia payments from public funds. This

What is the situation nough Since the 1990s, labour protections have been systematically dismantled. Strapkoyers demand "floxibility" including freedom to hire, fire, and estract work mention to thre, no, and earlied work without oversight. Consermments have obliged by weakening inspections, diluting laws, and branching safety regulations as "obstacles to business." For example, in 2015, the Maharashtra government allowed employers to "self-certify" compliance with labour laws. And the RIP government's "Ease of Doing Business" campaign has pushed other States to follow:

The Occupational Rafety, Health and Vorking Conditions (OSHWC) Code. Working Conditions (Ostiwc) Code, 2020, which seeks to replace the Factories Act, spitomises this shift. Though currently in abeyance, once enfinced it will move health and safety from being a statutory right to executive discretion. What was once a worker's relatively become accordance operatingly. their working hours, a practice started during the COVID pandemic, which is a major blow to safety. In 2023, Karnataka made this permanent, increasing daily limits and reducing rest periods. It is well established that safe

It is well extended that lare workplaces inhance productivity and profits. Yet India's dominant business culture is not about sustainable profits but extracting the maximum from labour with ostracting the maximum from labour winitimal responsibility. Drill the state restores workplace safety as a right, reinstatest inspection as enforcement, at holds employers criminally liable for preventable deaths, worker: lives will always hang in the balance.

The state of the state of the state of the labour of the labo

The British Bafety Coursell estimates that one in four fatal workplane securities workplane securities as a concentrative figure, given the widespread underreporting of workplane injuries and deaths.

Employers demand "Resibility" including freedom to hire, fire, and extract work without oversight. Governments have shifted by weakering inspections, discring town, and branding safety regulations a "atlatacies to business."

It is well established that safe workplaces unbance productivity and profits. Vet. india's dominant business pulture is not about extracting the maximum from takeur with minimal

What was behind the T Love Muhammad' movement?

How did the protests spread to other cities and States? How have Muslim bodies and political parties reacted? bulldozers on the private properties of some of those allegedly involved in the violence, including the sen-in-law of turbad-e-Millat Gouncil chief Maulana

fiteland: Millat Council chief Mandona Tauquer Raza Ahan, on whose call a thousand Muslims had gathered at Islami grounds in Koptember 28, to pusted against the State's alloged high haudedness in Kampin. The police, after initially permitting the protest, withdraw it shortly before the prayers.

Though Mr. Khan made a belated appeal

Ziva Us Salam

The story so far:

September 4, in Kimpur's

Rewarpur area, a few young
men put up a lightboard as the
entrance of a lame in Ryes

Sagar on the procession roots with the
words, 'Love Muhammar', written in
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strates' young thinks around the prophet's The story so far: birthday. Some Hindu groups claimed if was in contravention of rules of religious processions in the State. A scuffle ensued and after Fills were filed against LS unidentified people and nine identified persons, the row spread to other cities of Uttac Pradesh before brimming over to other States. It soon developed into a

While Kanpur witnessed little violence, Bareilly saw protests as well as the use of

followers to disperse following th lenial of police permission, many people and already gathered. The police resorted to lathi-charge to disperse the protestors. Next day, private properties of Mr. Khan's relatives and a doctor said to be close to him were destroyed. Residents of Unnao too, found

Claphes were reported as the police objected to the use of boards with the saic slogan. It led to eight FIRs and arrests of five individuals. Meanwhile, in ove instrictuals, Meanwhile, in Mahazaigani, police did not give permission for a procession leading to further alternation of lucal residents who read in the police action a denial of their right to freedom of religion. The pulses action did, however, thwart the possibility of any violence.

What about other States in the neighbouring State of Utturakhand, Muslim residents alleged that police response was disproportionate to a reaceful march where the protestors up placards with 'I Love Muhammad' en on them and called for the cancellation of PIRs in Kanpur. Soon the row spread to Gujarat, Maharashtra and Madhya Pradeah before

slogan. By then, Those Muhammad property had append across the country with people using the slegari as part of their social media handles, it is buing seen as the Muslim community's response to the allegably successive use of lince first by the U.P. police followed by its

What lies ahead?

What the ahead?
What began as a localised dispute in
Kanpur grew into a nationwide debate on
freedom of expression, right to equality
and freedom of religion. The Association
for Protection of Crill Rights, which
investigated the controversy, found that 21 for Protection of Civil Rights, which inventigated the controversy, found that 31 FHs were lodged, over 1,324 individuals from the Muslim community booked, and 38 people arrested in Ultar Practesh and other States.

The Jamaat e-Islami Hind has called for the cancellation of PIRs against members of the community and dubbed the criminalisation of the 'I Love Muhammad' slogan *ultra vines* as it went against Articles 19, 21 and 25 of the Constitution. Mesewhile, the All India Muslim Personal Board called for the immediate release of Mr. Khan and others. A delegation led by the Leader of the Opposition in Urrar Prodesh, Mass Presad Pundey, was restrained from reaching Bareilly. The samajwadi Party MP Iqra Hasan was also detained by the police and Sambhal MP Ziaur Rehnum Barq was placed under house arrest.

THE GIST

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What was behind the 'I Love Muhammad' movement?

How did the protests spread to other cities and States? How have Muslim bodies and political parties reacted?

Ziya Us Salam

The story so far:

n September 4, in Kanpur's Rawatpur area, a few young men put up a lightboard at the entrance of a lane in Syed Nagar on the procession route with the words, 'I Love Muhammad', written in English. It was put up as part of celebrations around the Prophet's birthday. Some Hindu groups claimed it was in contravention of rules of religious processions in the State. A scuffle ensued and after FIRs were filed against 15 unidentified people and nine identified persons, the row spread to other cities of Uttar Pradesh before brimming over to other States. It soon developed into a debate on the right to freedom of religion.

What happened?

While Kanpur witnessed little violence, Bareilly saw protests as well as the use of

bulldozers on the private properties of some of those allegedly involved in the violence, including the son-in-law of Ittehad-e-Millat Council chief Maulana Taugeer Raza Khan, on whose call a thousand Muslims had gathered at Islamia grounds on September 26, to protest against the State's alleged high-handedness in Kanpur. The police, after initially permitting the protest. withdrew it shortly before the prayers. Though Mr. Khan made a belated appeal to followers to disperse following the denial of police permission, many people had already gathered. The police resorted to lathi-charge to disperse the protestors. Next day, private properties of Mr. Khan's relatives and a doctor said to be close to him were destroyed.

Residents of Unnao too, found themselves in similar hot waters with local Muslim youth organising processions holding 'I Love Muhammad' placards and chanting religious slogans. Clashes were reported as the police objected to the use of boards with the said slogan. It led to eight FIRs and arrests of five individuals. Meanwhile, in Maharajganj, police did not give permission for a procession leading to further alienation of local residents who read in the police action a denial of their right to freedom of religion. The police action did, however, thwart the possibility of any violence.

What about other States?

In the neighbouring State of Uttarakhand, Muslim residents alleged that police response was disproportionate to a peaceful march where the protestors held up placards with 'I Love Muhammad' written on them and called for the cancellation of FIRs in Kanpur.

Soon the row spread to Gujarat, Maharashtra and Madhya Pradesh before hitting Telangana, the first non-BJP-ruled State to report a problem around the slogan. By then, 'I Love Muhammad' posters had spread across the country with people using the slogan as part of their social media handles. It is being seen as the Muslim community's response to the allegedly excessive use of force first by the U.P. police followed by its counterparts in other States.

What lies ahead?

What began as a localised dispute in Kanpur grew into a nationwide debate on freedom of expression, right to equality and freedom of religion. The Association for Protection of Civil Rights, which investigated the controversy, found that 2I FIRs were lodged, over 1,324 individuals from the Muslim community booked, and 38 people arrested in Uttar Pradesh and other States.

The Jamaat-e-Islami Hind has called for the cancellation of FIRs against members of the community and dubbed the criminalisation of the 'I Love Muhammad' slogan ultra vires as it went against Articles 19, 21 and 25 of the Constitution. Meanwhile, the All India Muslim Personal Board called for the immediate release of Mr. Khan and others. A delegation led by the Leader of the Opposition in Uttar Pradesh, Mata Prasad Pandey, was restrained from reaching Bareilly. The Samajwadi Party MP Igra Hasan was also detained by the police and Sambhal MP Ziaur Rehman Barg was placed under house arrest.

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India's solar capacity hits 125 GW, 3rd largest globally: Joshi

ARUNIMA BHARADWAJ New Delhi, October 8

INDIA'S SOLAR POWER generation capacity has reached 125 gigawatts (GW), making it the world's third-largest solar energy producer, Union minister for new and renewable energy Pralhad Joshi said on Wednesday.

"As per COP28 outcome, the world's renewable energy (RE) capacity will triple to 11,000 GW by 2030. And solar power is the single greatest key to achieving both of these ambitions," Joshi said addressing the curtain raiser of the 8th session of the International Solar Alliance Assembly.

The minister added that the country is targeting 1,800 GW of non-fossil fuel capacity by 2047, with current renewable energy (RE) capacity standing at approximately 252 GW.



The country targets 1,800 GW of non-fossil fuel capacity by 2047, renewable energy minister Pralhad Joshi said

The country has a target of achieving 500 GWRE capacity by 2030, of which 300 GW is likely to come from solar energy, as per government's estimates. "We have 162 GW in

the pipeline. I am confident that we will achieve that goal," Joshi added.

Santosh Kumar Sarangi, secretary of the new and renewable energy ministry, said discussions are underway among stakeholders on whether India can further raise its installed capacity from nonfossil fuel sources.

The secretary also noted that the US tariff negotiations do not impact India's solar module exports.

"Our solar module exports are not very huge. Domestic consumption of modules has been very high due to utility-scale solar projects, as well as schemes like PM Kusum and PM Surya Ghar," he said.

Currently, India has 100 GW of domestic solar module manufacturing capacity and 27 GW of cell manufacturing capacity.

- India's installed solar power capacity has reached 125 GW, making it the world's third-largest solar energy producer, after:
 - 1. China (≈ 550 GW)
 - 2. United States (≈ 190 GW)
- Announcement made by Union Minister for New and Renewable Energy (MNRE) Prahlad Joshi at the 8th Session of the International Solar Alliance (ISA) in New Delhi.

2. Key Targets and Projections

Target Year	National Goal	Solar Share	ð
2030	500 GW of total Renewable Energy (RE) capacity	≈ 300 GW from solar power	
2047 (Amrit Kaal)	1,800 GW of non-fossil fuel capacity	Major share from solar & wind	

- India currently has 252 GW RE capacity, of which 125 GW = solar (≈ 50 %).
- Government envisions 1,800 GW non-fossil capacity by 2047 → aligned with Net Zero by 2070 pledge (COP26 Glasgow).

3. Government Schemes Driving Solar Growth

(a) PM-KUSUM (Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan)

₹34,000 crore scheme to install solar pumps & decentralised plants for farmers.

(b) PM Surya Ghar Muft Bijli Yojana

Rooftop solar programme for residential users.

(c) Solar Park Scheme & Solar Cities Programme

Encourages utility-scale projects & urban renewables.

(d) Domestic Manufacturing Boost

- India has 100 GW module & 27 GW cell manufacturing capacity.
- Backed by Production Linked Incentive (PLI) Scheme for High-Efficiency Solar PV Modules (₹19,500 cr).

6. Environmental Significance

- Solar energy contributes ≈ 40 % to India's non-fossil electricity capacity.
- · Key to meeting:
 - SDG 7: Affordable and Clean Energy
 - SDG 13: Climate Action
- Cuts annual CO₂ emissions by ≈ 180 million tonnes.

7. Institutional & Policy Framework

- Ministry: MNRE nodal body for RE development.
- Major Policies:
 - National Solar Mission (2010) part of NAPCC.
 - Green Energy Corridor transmission for RE integration.
 - Renewable Purchase Obligation (RPO) mandates DISCOMs to source specified % from renewables.
 - Solar Open Access Rules (2022) facilitate direct consumer purchase.

- India has high solar irradiation (4–7 kWh/m²/day) in most states.
- Major solar parks:
 - Bhadla (14 GW, Rajasthan) world's largest solar park.
 - Pavagada (Karnataka), Kurnool (Andhra Pradesh).
- Desert states ideal for utility-scale solar projects.

C. Polity & International Linkages

- Article 48-A State to protect environment & resources.
- Article 51-A(g) Fundamental duty of citizens to protect environment.
- Paris Agreement (2015) & COP26-COP28 commitments guide India's targets.

D. Challenges

- 1. Intermittent supply (no sun at night).
- Land acquisition issues.
- Battery storage costs.
- 4. Grid integration and infrastructure gaps.
- 5. Dependence on imports of solar cells & wafers (from China).

Fact Detail

India's Installed Solar Capacity (2025) 125 GW

Global Rank 3rd

Target by 2030 (RE) 500 GW

Solar Target by 2030 300 GW

Non-Fossil Target by 2047 1,800 GW

Ministry in charge MNRE

ISA HQ Gurugram

India's Net Zero Year 2070

Ronaldo 1st Football Billionaire With Saudi Club Contract

- Cristiano Ronaldo, 40, is in the twilight of his playing career but with his contract at Saudi Arabia's Al-Nassr, he is now one of the few athletes who can be counted among billionaires
- For a long time, Ronaldo and Lionel Messi, who duelled for the title of greatest player, earned similar wages. But they diverged in 2023 with Ronaldo's move to the Gulf

fortune comprises a mix of

earnings and investments

endorsements, career

Source: Bloomberg





 Ronaldo's fortune is distinct among billionaire athletes in that the majority is derived from pay. The driver of Roger Federer's wealth, for example, comes from a stake he took in running apparel brand On

Al-Nassr he reportedly

received as part of his

contract extension

Net Worth

Michael Jordan \$3.5bn

LeBron James \$1.5bn

Cristiano Ronaldo \$1.4bn

Tiger Woods \$1.4bn

Roger Federer \$1.3bn

Note: Jordan figure as of 2023, James, Woods figures as of 2024. Federer figure as of June 2025

Word of the day

Prosaic:

not fanciful or imaginative; lacking wit or imagination; not challenging; dull and lacking excitement

Synonyms: earthbound, pedestrian, commonplace, humdrum, unglamourous, matter-of-fact

Usage: It was a prosaic and unimaginative essay.

Pronunciation: newsth.live/prosaicpro

International Phonetic Alphabet: /pɹəʊˈzeɪ.ɪk/

