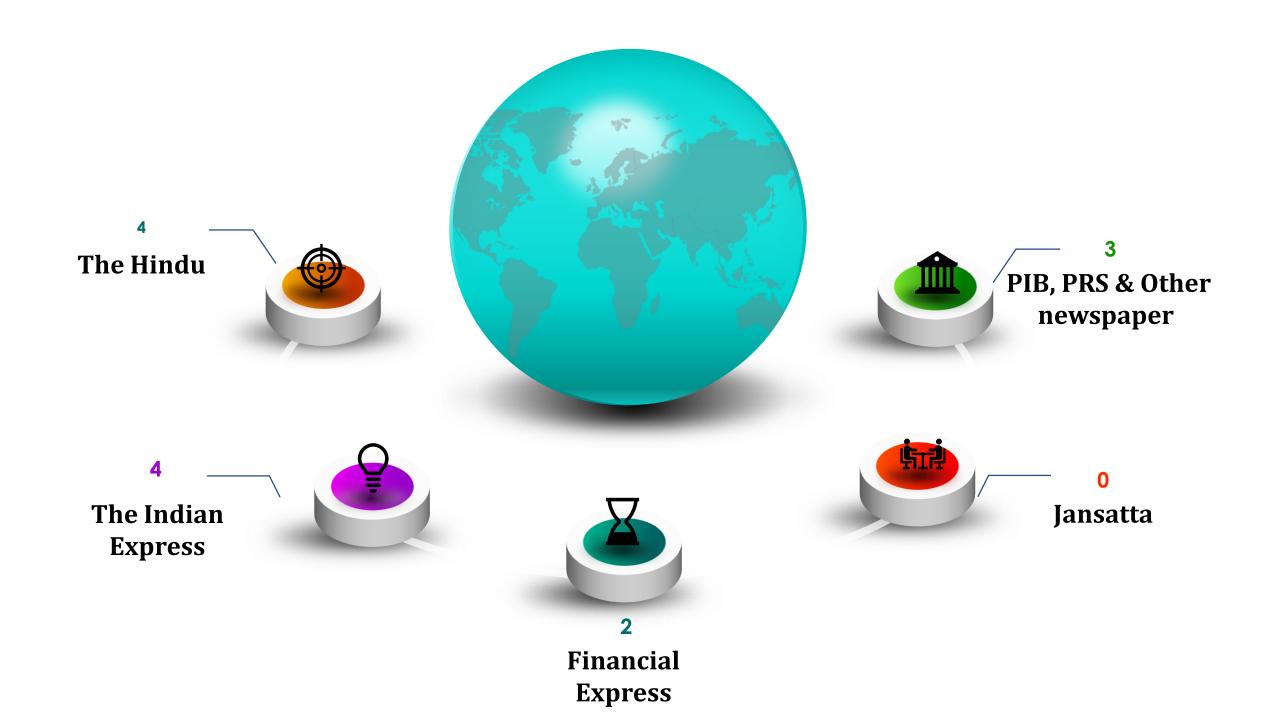
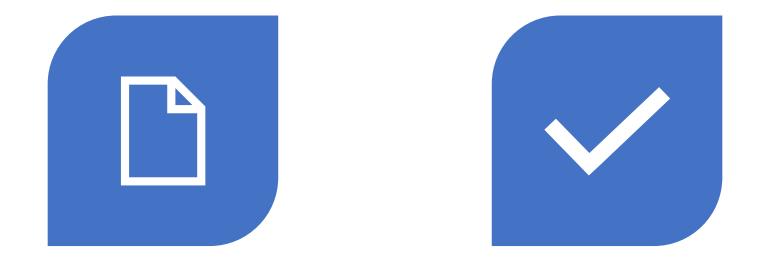
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States

"You will never change your life until you change something you do daily.

The secret of your success is found in your daily routine.

- John C. Maxwell -



India hits back after intercepting Pak. strikes

in northern and western

India - Awantipura, Srina-

gar, Jammu, Pathankot, Amritsar, Kapurthala, Ja-landhar, Ludhiana, Adam-

pur, Bhatinda, Chandi-

garh, Nal, Phalodi, Uttarlai, and Bhuj – using drones and missiles. "These were

tions in Pakistan. The Pakistan military

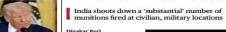
The Pakistan mintary spokesperson also said at a press conference that India had fired several Herops on their military targets in

the Line of Control (LoC), the Ministry said Pakistan had increased the intensity

unprovoked firing

various locations. On the situation along

of



Trump says U.S., U.K. have reached trade agreement

NEARBY

attacks at various locations along the western borders with India late on Thurs-day evening, but the Indian LONDON U.S. President Do has announced that the U.S. and the U.K. have reached a armed forces swiftly inter epted them, official sourc trade deal, making this the fir. such deal for the U.S. since Mr. This came after the In-Trump's April 2 'Liberation Da uncement of universal



tariffs of 10% or more for all trading partners, to PAGE 14

'MP's ludicrous remark not worth contempt action

NEW DELTI The Supreme Court has found the "ludicrous" comments nade by BJP MP Nishikant

made by BJP MP Nishikant Dubey against the court over the Waqf law case and Chief Justice of India Sanjiv Khanna not worth the trouble of initiating a contempt of court action. » PAGE 4



Pakistan gave terrorists state funeral: Misri

NEW DELHI Showing a photo of terrorist Abdur Rauf leading prayers for those killed in the strikes on kistan towards Satwari, Samba, R.S. Pura, and Ar-nia in Jammu. Drones were the LeT's headquarters, Foreig Jammu and Pathankot, sources said. Secretary Vikram Misri said they were given 'state honours draped in the Pakistan national flag. » PAGE 5

CM (CON)



ain times: People at the Golden Temple i Punjab, during a

ture," he said. The systems

hours of Thursday, the In from the Indian air defence dian armed forces hit back a few hours later with loinetwork that came into action on Thursday morning included the S-400 Triumf tering munitions targeting Pakistani air defence very long-range air defence locations. systems from Russia and The Defence Ministry the indigenous Akash sur-The Defence Ministry said the "Indian response has been in the same do-main with same intensity as Pakistan". "It has been reliably face-to-air missile (SAM) and missiles. "These were neutralised by the Integrat-ed Counter Unmanned Ae-Art Defence systems. The debris of these attacks is a number exposure that prove the Pakistani attacks." the Ministry said the In-dian armet forces targeted air defence radars and sys-tices in Pakistan. system, among others, it has been learnt. Sources in has been learnt. Sources in the know said military tar-gets in Karachi, Lahore, and Rawalpindi were amage those hit. Ministry reiterated that India's res-ponse under Operation Sindoor was "focused, measured and non-escala-tory" and also that Pakista-tory" and also that Pakista-had not been targeted. "It was also reiterated "It has been reliably learnt that an air defence system at Lahore has been neutralised," the Ministry said in a statement. "In-dian armed forces reiterate their commitment to non-escalation, provided it is respected by the Pakistani military;" is added. Speaking at an event, Defence Minister Rainath had not been targeted. "It was also reiterated that any attack on military targets in India will invite a suitable response," the Mi-Defence Minister Rajnath Singh said India had always played the role of a respon-sible nation, but cautioned that if anyone tried to take nistry said. advantage of its restraint, they would face "quality action". "No limit will be-'Debris recovered' Giving details of the deve-lopments of Thursday morning, the Ministry said Pakistan tried to engage a action". "No limit will be-come an obstacle in pro-tecting India's sovereignty, fully prepared for responsi-ble responses in the funumber of military targets

Military stations in Jammu, Pathankot, Udhampur targeted late in the evening, but no losses suffered system in Lahore neutralised: Defence Ministry

At least 100 killed in operation, Rajnath tells all-party meet

Sobhana K. Nair NEW DELHI At least 100 people, includ-

forces



morning, Defence Minister Rajnath Singh told an all-party meeting that he chaired on Thursday, All political parties unani-mously lauded Operation Sindoor and reiterated their support for the go-vernment amid the height-werd tancion between Ining that the government could not share the techni-cal details of Operation Sindoor as it was an ongo-ing operation. "The discusvernment amid the height-ened tension between In-dia and Pakistan. According to multiple leaders who attended the sions were conducted in a constructive and serious manner given the gravity of the issue at hand." Mr Rijiju said. According to him, Mr. Singh had said, "We do not do politics just neeting, Mr. Singh told hem that the "intent and objectives" of the govern-ment have been achieved. for forming governments but for building the He also said that the go-vernment has "no interest nation." in escalating the situation" Planes downed? Several Opposition leaders – including Mr. Kharge, Al-

in escalating the struation, but if Pakistan takes any hasty step, then India will strongly respond. Mr. Singh also informed the leaders that government-run defence manufactur-MIM's Asaduddin Ownis RID's Prem Chand Gupta CPI(M)'s John Britt CPI(M)'s John Brittas, Šhiv Sena (UBT) Sanjay Raut, NCP (Sharad Pawar)'s Su-priya Sule, and the AAP's Sanjay Singh – urged the government to respond to the news reports pu-biomal publicative, a babaat biomal publicative, a babaat Indian aircraft being shot during the operation. ing firms have been told to speed up production. Congress president and Leader of the Opposition in the Rajya Sabha Malli-karjun Kharge expressed his disappointment at the absence of Prime Minister Narendra Modi at the meeting. ing firms have been told to "He (Mr. Modi) was not during the operation. Congress MP Rahul Congress MP Rahul Gandhi, the Leader of the

present in the last meeting. Maybe he believes he is above the Parliament. We will ask this question at the Opposition in the Lok Sab ha, echoed Mr. Kharge's view on the absence of the right time, right now we Prime Minister at the meet don't want to criticise anyone," Mr. Kharge said. ing. It is learnt that he told the meeting that the PM's Addressing pressper-sons after the meeting, Par-liamentary Affairs Minister absence sent a "negative message". Mr. Gandhi ad-ded that the government should have briefed the Kiren Rijiju said that Mr. Singh had told the gather leaders



thought, most famously with his 1891 encyclical Re-rum Novarum, which ad-dressed workers' rights and capitalism. Earlier Thursday, large school groups joined the mix of humanity awaiting the outcome in St. Peter's Square. They blended in

opening the church to the outside world, but on oth-er fronts maybe he didn't do enough. We'll see if the next one will be able to do more," Deget said from the plazza. The Rev. Jan Dominik Reputi a Slowpen Francis er tronts maybe he didn't do enough. We'll seei fthe poner." Deget said from the parze. The Rev. Jan Dominik Bogataj, a Slovene Francis-can friar, was more critical in 2013. 111 (

Chief Justice of India Sanjiv Khanna has forwarded to the President and the Prime Minister the in house committee repor on the allegations about discovery of partially burnt sacks of currency notes it a gutted storeroom of High Court judge Justice Yash want Varma's earlier offi cial residence in Delhi afte needed between three and 14 ballots to find a pope. John Paul I – the pope who a fire on March 14. a fire on March 14. The CJI's action paves the way for the initiation of removal proceedings against Justice Varma in Parliament.

FULL REPORT ON

ABX

his eye on Cardinal Prevost and in many ways saw him as his heir apparent. He brought Cardinal Prevost to the Vatican in 2023 to serve as the powerful bead St. Peter's Basilica, Pope Leo said, "Peace be with you," and emphasised a message of peace, dialogue and missionary evangelisa-tion. He wore the tradition-al red cape of the papacy – a cape that Francis had es-chaused on bic alcertan in to the Vatican in 2023 to serve as the powerful head of the office that vets bish-op nominations from around the world, one of the most important jobs in the Catholic Church. And in January, he elevated him chewed on his election in

but official confirmation and details are awaited.

Blackouts were enforced in

everal districts in Punjab

ventive measure.

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"Military stations of

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tors in Jammu and

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CRPF companies A government official said over 100 companies of the Central Reserve Police Force – over 10,000 per-sonnel – were being sent to the Jammu region in the wake of Operation Sin-door. The personnel have been drawn from training and reserve battallons and

and reserve battalions and will be posted in Jammu re-gion primarily, the official said. "While some compa-

nies are on their way, oth-

ers will reach in a day or two," the official added.

MORE REPORTS ON

» PAGES 2 & 5

EDITORIAL

» PAGE 8

Sixteen people, includ-

Kashmir.

try said.

India hits back after intercepting Pak. strikes

India shoots down a 'substantial' number of munitions fired at civilian, military locations

Military stations in Jammu, Pathankot, Udhampur targeted late in the evening, but no losses suffered

India's response in 'same domain', air defence system in Lahore neutralised: Defence Ministry

Dinakar Peri NEW DELHI

scalating tensions, Pakistan launched drone and missile attacks at various locations along the western borders with India late on Thursday evening, but the Indian armed forces swiftly intercepted them, official sources said.

This came after the Indian air defence systems thwarted Pakistan's attempts to strike civilian and military locations in northern and western India with a "substantial" number of missiles and loitering munitions in the early hours of Thursday. India had hit multiple terror infrastructure facili-

ties in Pakistan and Pakistan-occupied Kashmir under Operation Sindoor early on Wednesday. India is said to have launched retaliatory strikes late in the evening, but official confirmation and details are awaited.

Blackouts were enforced in several districts in Punjab, Gujarat, and Rajasthan as a preventive measure. "Military stations of locations. Jammu, Pathankot, and Udhampur in proximity to the International Boundarv, in Jammu & Kashmir targeted by Pakistan using as Pakistan". missiles and drones," the

headquarters of the Integrated Defence Staff of the military said in a post on X. "No losses. Threat neutralised by Indian armed forces as per Standard Operating Procedures (SoP) with kinetic and non-kinetic means." military," it added.

Indian response In the evening, the Indian air defence systems also intercepted and destroyed eight missiles fired by Pakistan towards Satwari, they would face "quality Samba, R.S. Pura, and Arnia in Jammu. Drones were action". "No limit will bealso being engaged over come an obstacle in pro-Jammu and Pathankot, tecting India's sovereignty, sources said. fully prepared for responsi-As a response to Pakis-



Uncertain times: People at the Golden Temple in Amritsar, Punjab, during a blackout on Thursday. PTI

tan's strikes in the early ture," he said. The systems hours of Thursday, the Infrom the Indian air defence dian armed forces hit back network that came into aca few hours later with loition on Thursday morning tering munitions targeting included the S-400 Triumf Pakistani air defence very long-range air defence systems from Russia and The Defence Ministry the indigenous Akash sursaid the "Indian response face-to-air missile (SAM) has been in the same dosystem, among others, it main with same intensity has been learnt. Sources in the know said military tar-"It has been reliably gets in Karachi, Lahore, learnt that an air defence and Rawalpindi were system at Lahore has been among those hit. neutralised," the Ministry The Defence Ministry said in a statement. "Inreiterated that India's resdian armed forces reiterate ponse under Operation their commitment to non-Sindoor was "focused, escalation, provided it is measured and non-escalarespected by the Pakistani tory" and also that Pakistani military establishments Speaking at an event. had not been targeted.

Defence Minister Rainath "It was also reiterated Singh said India had always that any attack on military played the role of a respontargets in India will invite a sible nation, but cautioned suitable response," the Mithat if anyone tried to take nistry said. advantage of its restraint,

'Debris recovered' Giving details of the developments of Thursday morning, the Ministry said Pakistan tried to engage a number of military targets ble responses in the fu-

in northern and western across the LoC using mor-India - Awantipura, Srinatars and heavy calibre artilgar, Jammu, Pathankot, lery in areas in Kupwara, Amritsar, Kapurthala, Ja-Baramulla, Uri, Poonch, landhar, Ludhiana, Adam-Mendhar and Rajouri secpur, Bhatinda, Chanditors in Jammu and garh, Nal, Phalodi, Uttarlai, Kashmir. and Bhui - using drones Sixteen people, includand missiles. "These were ing three women and five children, were killed in the neutralised by the Integrated Counter Unmanned Ae-Pakistani firing, the Minisrial System (UAS) Grid and try said. Air Defence systems. The **CRPF** companies debris of these attacks is now being recovered from a number of locations that prove the Pakistani attacks." On the Indian response, the Ministry said the Indian armed forces targeted air defence radars and systems at a number of locations in Pakistan. The Pakistan military spokesperson also said at a press conference that India had fired several Herops on their military targets in various locations. On the situation along the Line of Control (LoC),

over 100 companies of the Central Reserve Police Force - over 10,000 personnel - were being sent to the Jammu region in the wake of Operation Sindoor. The personnel have been drawn from training and reserve battalions and will be posted in Jammu region primarily, the official said. "While some companies are on their way, others will reach in a day or two," the official added. MORE REPORTS ON the Ministry said Pakistan » PAGES 2 & 5 had increased the intensity EDITORIAL of unprovoked firing » PAGE 8

At least 100 killed in operation, Rajnath tells all-party meet

Sobhana K. Nair NEW DELHI

At least 100 people, including several hardcore terrorists, were killed in the nine cross-border strikes made by Indian armed forces on Wednesday morning, Defence Minister Rainath Singh told an allparty meeting that he chaired on Thursday. All political parties unanimously lauded Operation Sindoor and reiterated



objectives" of the government have been achieved. He also said that the government has "no interest in escalating the situation",

but if Pakistan takes any hasty step, then India will strongly respond. Mr. Singh also informed the leaders that governmentrun defence manufacturing firms have been told to

speed up production. A government official said Congress president and Leader of the Opposition in the Raiva Sabha Mallikarjun Kharge expressed his disappointment at the absence of Prime Minister Narendra Modi at the

meeting. "He (Mr. Modi) was not present in the last meeting. Maybe he believes he is above the Parliament. We will ask this question at the right time, right now we don't want to criticise anyone," Mr. Kharge said. Addressing presspersons after the meeting. Par-

Singh had told the gather-

Rainath Singh

ing that the government could not share the technical details of Operation Sindoor as it was an ongoing operation. "The discussions were conducted in a constructive and serious manner given the gravity of the issue at hand." Mr. Rijiju said. According to him, Mr. Singh had said, "We do not do politics just for forming governments but for building the

nation." Planes downed? Several Opposition leaders - including Mr. Kharge, AI-MIM's Asaduddin Owaisi,

RID's Prem Chand Gupta. CPI(M)'s John Brittas, Shiv Sena (UBT) Sanjav Raut. NCP (Sharad Pawar)'s Supriya Sule, and the AAP's Sanjay Singh - urged the government to respond to the news reports published in many international publications about Indian aircraft being shot during the operation. Congress MP Rahul Gandhi, the Leader of the Opposition in the Lok Sabha, echoed Mr. Kharge's view on the absence of the Prime Minister at the meeting. It is learnt that he told the meeting that the PM's absence sent a "negative message". Mr. Gandhi adliamentary Affairs Minister ded that the government should have briefed the Kiren Rijiju said that Mr.

leaders.

PAK LAUNCHES DRONES, MISSILES AT JAMMU, ALL SHOT DOWN

8 MISSILES INTERCEPTED OVER JAMMU

> On **Thursday night**, Pakistan sends loitering munitions targeting multiple locations in Jammu

Sources say Pakistan launched 8 missiles in the region, including at Satwari (Jammu airport), Samba, RS Pura, and Arnia. All of these were intercepted by Indian air defence

> Officials say attacks on military stations in Jammu, Pathankot and Udhampur thwarted

Complete blackout enforced in Jammu.
 Blackouts in Chandigarh and Mohali as well

EARLIER IN THE DAY

Early morning, Pak tried to hit military targets in J&K's Awantipora, Srinagar, Jammu, Punjab's Pathankot, Amritsar, Kapurthala, Jalandhar, Ludhiana, Adampur, Bathinda, Chandigarh, Rajasthan's Nal, Phalodi, Uttarlai, and Gujarat's Bhuj. All drones and missiles neutralised

Debris recovered from a number of locations proves Pak attacks, said defence ministry

India retaliated with strikes that destroyed Lahore's HQ-9 surface-to-air missile and radar system of Chinese origin. Other locations targeted in Pakistan included Rawalpindi, Gujranwala, Khenju (Sindh), Attock, Miano, Bahawalpur, and an area near Karachi

> Pak's increased intensity of unprovoked firing along LoC in Kupwara, Baramulla, Uri, Poonch, Mendhar & Rajouri. India retaliating with force



Golden Temple in Amritsar amid a blackout, which was enforced in several cities, including Chandigarh, Pathankot, Jalandhar, and Hoshiarpur. Schools and colleges across Punjab have been ordered shut for the next 3 days

BLOCK & TACKLE | S-400, HARPY & HAROP DRONES

Russia-built S-400 system – called Sudarshan Chakra by IAF – can track airborne targets up to 600km away, intercept aircraft, drones, and missiles at ranges up to 380km

Network of radars tracks targets, up to 300 simultaneously. Once threat is identified, the command centre selects the optimal missile to intercept it

> To break Pak air defence systems, India uses Israeli Harpy & Harop drones (specialised loitering munitions). With high-explosive warheads and a special radar, they can **autonomously detect and engage enemy radar-emitting assets** and other targets

Robert Prevost, first American Pope, will take the name Leo XIV

Associated Press

VATICAN CITY

Robert Prevost, a missionary who spent his career ministering in Peru and took over the Vatican's powerful office of bishops, was elected the first pope from the United States in the 2,000-year history of the Catholic Church.

Pope Prevost, a 69-yearold member of the Augustinian religious order, took the name Leo XIV.

In his first words as Pope Francis's successor, uttered from the loggia of St. Peter's Basilica, Pope Leo said, "Peace be with you," and emphasised a message of peace, dialogue and missionary evangelisation. He wore the traditional red cape of the papacy – a cape that Francis had eschewed on his election in 2013.

CM CM

leading candidate for the papacy, but there had long been a taboo against a U.S. Pope, given the country's geopolitical power already wielded in the secular sphere. But Pope Prevost, a Chicago native, was seemingly eligible because he is also a Peruvian citizen and lived for years in Peru, first as a missionary and then as an archbishop.

Pope Prevost had been a

Heir apparent

Pope Francis clearly had his eye on Cardinal Prevost and in many ways saw him as his heir apparent. He brought Cardinal Prevost to the Vatican in 2023 to serve as the powerful head of the office that vets bishop nominations from around the world, one of the most important jobs in the Catholic Church. And in January, he elevated him

100



Marking history: Pope Leo XIV appears on the central loggia of St. Peter's Basilica at the Vatican on Thursday. AP

into the senior ranks of cardinals. As a result, Cardinal Prevost had a prominence going into the conclave that few other cardinals had. The crowd in St. Peter's Square erupted in cheers when white smoke poured out of the Sistine Chapel on the second day of the conclave. Priests

made the sign of the cross and nuns wept as the crowd shouted "Viva il papa!"

Waving flags from around the world, tens of thousands of people waited to learn who had won and were shocked when an hour later, the senior cardinal deacon appeared on

1

the loggia and said "*Habemus Papam*!" and announced the winner was Pope Prevost.

He spoke to the crowd in Italian and Spanish, but not English.

The previous Leo

The last pope to take the name Leo was Leo XIII, an Italian who led the church from 1878 to 1903. That Leo softened the church's confrontational stance toward modernity, especially science and politics and laid the foundation for modern Catholic social thought, most famously with his 1891 encyclical Rerum Novarum, which addressed workers' rights and capitalism.

Earlier Thursday, large school groups joined the mix of humanity awaiting the outcome in St. Peter's Square. They blended in

with people participating in preplanned Holy Year pilgrimages and journalists from around the world who have descended on Rome to document the election.

"The wait is marvelous!" said Priscilla Parlante, a Roman.

Pedro Deget, 22, a finance student from Argentina, said he and his family visited Rome during the Argentine pope's pontificate and were hoping for a new pope in Francis' image. "Francis did well in

opening the church to the outside world, but on other fronts maybe he didn't do enough. We'll see if the next one will be able to do more," Deget said from the piazza.

The Rev. Jan Dominik Bogataj, a Slovene Franciscan friar, was more critical of Francis. He said if he were in the Sistine Chapel, he'd be voting for Cardinal Pierbattista Pizzaballa, the Latin Patriarch of Jerusalem who is on many papal contender lists.

"He has clear ideas, not much ideology. He's a direct, intelligent and respectful man," Bogataj said from the square. "Most of all, he's agile."

Short conclave

Some of the cardinals had said they expected a short conclave.

For much of the past century, the conclave has needed between three and 14 ballots to find a pope. John Paul I – the pope who reigned for 33 days in 1978 – was elected on the fourth ballot. His successor, John Paul II, needed eight. Francis was elected on the fifth in 2013.

1. Historic Election:

- Robert Prevost, a 69-year-old member of the Augustinian religious order, has been elected as the first American Pope in the 2,000-year history of the Catholic Church.
- He takes the name **Pope Leo XIV**.
- Previously served as a missionary in Peru and later took over the Vatican's powerful office of bishops.

2. Significance of the Name and Symbolism:

- The last pope to take the name Leo was Pope Leo XIII, who served from 1878 to 1903.
- Pope Leo XIII was known for modernizing the church's approach to science, politics, and workers' rights.
- Pope Leo XIV's first message emphasized peace, dialogue, and missionary evangelization.

3. Conclave and Election Process:

- The conclave was short, lasting only two days, with Cardinal Prevost emerging as a prominent candidate.
- Prevost's selection followed a visible shift in the church, with Pope Francis having brought him to the Vatican in 2023.
- White smoke appeared from the Sistine Chapel, signaling the election of the new pope.
- The new Pope appeared on the central loggia of St. Peter's Basilica, delivering his first message in Italian and Spanish.

4. Reactions and Public Sentiment:

- Crowds at St. Peter's Square erupted in celebration as the new Pope made his appearance.
- Flags from around the world were seen, and the crowd shouted "Viva il papa!" (Long live the pope).
- Observers appreciated the **peaceful and inclusive message** delivered by Pope Leo XIV.

5. Political and Geopolitical Context:

- Traditionally, there has been a taboo against a U.S. Pope due to America's geopolitical influence.
- Prevost's Peruvian citizenship and missionary work in South America played a role in his eligibility.
- Cardinal Prevost's elevation marks a new direction for the Church, focusing on global inclusivity.

Contextual Analysis:

A. 🔳 Historical Context:

- The Vatican historically favored European Popes, with Pope Francis being an exception as the first Latin American Pope.
- Pope Leo XIV's election represents a significant departure from the tradition of electing Popes primarily from Europe.

THE HINDU News

MMR shows a declining

trend, reveal latest data The highest MMR is seen in the 20-29 age group and second highest in the 30-34 age group:

NRREF



Nine killed, eight injured in gas cylinder blast in Bikaner

The death toll in an explosion in a gas cylinder in the basement of a three-story commercial building in Rajasthan's Bikaner increased to nine building in Rajasthan's Nikane's increased to nine on Thursday, while eight persons were injured. Over 20 shops on the ground floor and in the basement in Madan Market were damaged in the provide the state of the state of the state of the eccovered from the spot. On Thursday, five more bodies were pulled out from the rubble. A *P*-year-old boy died of njuries. The explosion had led to the collapse of roof eff the building's first floor, trapping people under the debtis.

Six killed as helicopter with Char Dham pilgrims crashes

Six people - five women and the pilot Captain Society and the second crashed near the Bhagirathi river in Uttarkashi district of Uttarakhand on Thursday morning. The State Disaster Response Force said the helicopter owned by AeroTrans Services Private Limited was flying with pilgrims to the Gangotri temple after a visit to the Yamunourti temple.



and 103 in 2017-19, show the latest data released by the Office of the Registrar-General and Census Com-missioner of India. The data show the high-est MMR occurs in the 20-29 age group, and the se-cond highest in the 30-34 are group. 2014-16

Several States, including Madhya Pradesh (175), As-sam (167), Uttar Pradesh (151), Odisha (135), Chhat-tisgarh (132), West Bengal Every day in 2023, over 700 women died of preventable causes related to pregnancy, says WHO

(109), and Haryana (106), have high MMRs. The Registrar-General arrives at estimates on fer-tility and mortality using the Sample Registration One of the key indicators of maternal mortality System, one of the largest demographic sample sur-veys in the country. The MMR is a measure is the MMR, defined as the is the MMR, defined as the number of maternal deaths during a given time period per 100,000 live births during the same time period as reported. of the reproductive health of women in a region.

Researchers call for wider access to genetic screening for diabetes patients in India

The Hindu Bureau

Scientists from the Madras Diabetes Research Founda tion (MDRF), Chennai, in collaboration with Wash-ington University School of ington University School of Medicine in St. Louis, Unit-ed States, have discovered unbype of Maturity-Onset Diabetes of the Young (MO-Dy), and have called for the Young MO-treatment for diabetes pa-tic diab

13 subtypes recognised MODY is a rare, inherited form of diabetes caused by mutations in a single gene, typically appearing in ado-lescents and young adults. While 13 MODY subtypes have been recognised to date, the newly identified switch from congenital hy-perinsulinism to diabetes in maturity-onset diabetes variant challenges long-standing assumptions

1



about the condition, doctors said. The study was pu-blished in the journal – *Diabetes* – of the American

24

23

When Cranwell wife leaves, producing hexagonal L shaped tool 9 Boy with stiffness in leg produces airship (5)

og with stimets in leg produces arship (s) Conman Charles gets a brown colour after leaving Spain (9) He gets neon arrangement for megalithic site (10) A small bit in radio talkathon (4)

12

15

The second secon Diabetes Association. Colin G. Nichols, lead researcher, Washington Un-iversity School of Medicine, highlighted in the study that the LOF mutation impairs potassium channel function in pan-creatic beta cells, disrupt-ing insulin secretion. This discovery strengthens the case for precision diag-He said the study marked the first observed nosis and treatment," he said. The findings are based on clinical data and

laboratory analysis of In-dian patients.

[6]
 24 Finish university course at last to get award (5)
 25 First man in madame's heart (4)



change, the Finance Minis-try has made public a draft document. "Framework of India's climate finance At the COP29, lack of consensus on the definition of 'climate finance' led to disagreements. taxonomy". Climate finance taxono-my, the report said, is a "tool to identify activities consistent with India's cli-mate action goals and tran-cition mathems". The object

by Nirmala Sitharaman in her Budget speech in February. Developing countries demand billions of dollars from developed countries in the form of subsidised sition pathway." The objec-tive of this taxonomy is to encourage investment in climate-friendly technologies and activities, thus enabling India to be Net Ze-ro by 2070 but simultanetechnology transfer and grants to finance renewa-ble energy development as well as strengthen their de-fences against climate ously encouraging long-term access to reliable and affordable energy. The taxonomy should change. At the 29th session of Conference of the Parties (COP) in Baku, Azerbaijan,

prevent "green-washing" and be consistent with the developmental goal of 'Vikdeveloped countries con sit Bharat'. The draft note mitted to only \$300 billion annually by 2035 as the



er-middle-income coun-tries in 2023. Care by skilled health professionals before, during and after childbirth can save the lives of women and newdeath of a woman while pregnant or within 42 days of termination of pregnan-cy, irrespective of the duralives of women and r borns," the WHO said. Centre unveils draft 'climate taxonomy' document to aid

The UN's Sustainable

Development Goals (SDGs) aim at reducing global MMR to to less than 70 per

100,000 live births. Many women in the re-productive age span die from complications during and following pregnancy and childbirth, or abor-

tion. "Maternal death is the

100,000 live births.

"New Collective Quantified Goal" when the actual re-quirement was \$1.35 tril-lion and a large part of the disagreement was due to a lack of consensus on the definition of "climate finance*

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nancy, from any cause related to or aggravated by

agement but not from acci-dental or incidental caus-

(WHO). The data state that maternal deaths, being a rare event, require prohibitive-being and the state of the state of the state state state of the state of the state state of the state of the state state of the state of the state state of the state state of the state of the state of the state state of the state of the state state of the state of the state of the state state of the state of the state state of the state of the state of the state state of the state of the state of the state state of the state of the state of the state of the state state of the state state of the state

2000 and 2023, the MMR...dropped by about 40% worldwide. Just over

90% of all maternal deaths

occurred in low- and low-er-middle-income coun-

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Organizatio

the pregnancy or its man

es," acco Health

(WHO).

The climate taxonomy document aims to classify ectors as "climate range" sectors as "climate range" control of the sector of the ector of the sector of the pre-nhouse gene emissions that reduce the risks of ad-vehance and research and development needed to improve the sector of the sector the sector of the s The climate taxonomy supportive activities would include those that improve emissions intensity reduc tion in sectors where cut-ting absolute emissions are challenging with the availa-ble technology – this could mean in the so-called "hard to abate" iron, steel

....

and cement sector.



FAITH

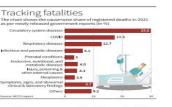
Ethical codes of conduct

A person should not try to harm others for his own gain. He should never compel others to praise him lavishly. On the contrary, others should come forward voluntarily to honour and admire us. Trichy Sri Kalyanaraman said in a discourse that by our conduct and behaviour, we should make others feel they would like to show us respect. A per son should develop purity of thoughts. Love, grace and mercy are to be filled in a person's heart.

Saint poet Thiruvalluvar says those without affection

The second secon

 2 3 1 8 5
 anyone in managing rama's incarnation, but while admit-ting Vibhishana from the enemy camp, Rama consulted Sugreeva and others, respecting each one's views. This shows we must be cooperative and elicit others' opinions before taking any critical decision.



India recorded 21 lakh additional deaths in 2021, say RGI reports

5,74,198 COVID-19 deaths were reported in 2020 and 2021. The COVID-19 dash-board maintained by the Union Ministry of Health says that as on May 5, the total number of deaths in-duced by the pandemic smod at 5,33,665. The Hindu Bureau NEW DELHI India recorded over one crore deaths in 2021 – the second year of the CO-

VID-19 pandemic - which was around 21 lakh deaths more than in 2020, show The report said that among the leading groups of causes, diseases of the two key reports on regis-tered births and deaths pu-blished this week by the blished this week by the Registrar-General of India (RGI) after a five-year gap. "In the case of regis-tered deaths, the number of registered events has gone up from 81.2 lakhs in 2020 to 102.2 lakhs in 2021, circulatory system, includ ing pulmonary ailm ituted 29.8% of the to tal number of medical certified deaths, followed by deaths caused by CO VID-19 at 17.3%; death viD-49 at 17.3%; deaths caused by diseases of the respiratory system at 12.7%; and deaths caused by certain infectious and parasitic diseases at 6.1%. COVID-19 was the se-cond leading cause of death in 2021; it was the third leading cause of Among the 32 States and Union. Territories. Uttar 2020 to 102.2 lakhs in 2021, Le., an increase of 26.0%," the report, "Vital Statistics of India based on the Civil Registration System for the year 2021", said. In 2019, 75.9 lakh deaths were registered. registered. The other report on the medical certification of the cause of death in 2021, compiled by the RGI, said Antong the 32 states and Union Territories, Uttar Pradesh, Gujarat, Maha-rashtra, Tamil Nadu, Mad-hya Pradesh, Karnataka, that deaths with COVID-19 as the underlying cause in-creased from 1,60,618 in 2020 to 4,13,580 in 2021, which included 2,67,363 Bihar, Andhra Pradesh, Kerala, West Bengal, Odmale, 1,46,215 female, and isha, Chhattisgarh, Harva

mate, 1,46,215 female, and two transgender fatalities. In 2021, out of 10,224,506 deaths, as ma-ny as 23,95,128 were medina, Punjab, Telangana Jharkhand, and Delhi con tributed significantly to the ny as 23,95,128 were medi-cally certified deaths registered deaths when compared deaths when 2020 to 2021, the report 2020. The report said a total of 2020, the report said stotal of 2020 to 2021, the report said. The number of regis-tered births decreased by about 0.7%, it added.

+

AND

(CON)

Congress demands apology from Minister

them gaddar (traitor) and demanded an apology from the Information and Broadcasting Minister "The kind of pathetic, in

The Hindu Bureau NEW DELHI

accused public broàdcas-ter Doordarshan of run sulfing and dangerous nar-naring a dangerous narrative against Congress president Mallikarjun Kharge and MP Imran Masod by labelling KC. Venugopal said.

MMR shows a declining trend, reveal latest data

The highest MMR is seen in the 20-29 age group and second highest in the 30-34 age group; the maternal mortality ratio in a region is a measure of the reproductive health of women

Bindu Shajan Perappadan NEW DELHI

he Maternal Mortality Ratio (MMR) in India declined to 93 per lakh live births in 2019-21 from 97 in 2018-20, and 103 in 2017-19, show the latest data released by the Office of the Registrar-General and Census Commissioner of India.

The data show the highest MMR occurs in the 20-29 age group, and the second highest in the 30-34 age group.

Several States, including Madhya Pradesh (175), Assam (167), Uttar Pradesh (151), Odisha (135), Chhattisgarh (132), West Bengal (109), and Haryana (106), have high MMRs.

The Registrar-General arrives at estimates on fertility and mortality using the Sample Registration System, one of the largest demographic sample surveys in the country.

The MMR is a measure of the reproductive health of women in a region.

Drop in maternal death rate

The chart shows the Maternal Mortality Ratio (MMR), which is the number of maternal deaths during a given period per 100,000 live births



Source: Office of the Registrar General, India

Every day in 2023, over 700 women died of preventable causes related to pregnancy, says WHO

One of the key indicators of maternal mortality is the MMR, defined as the number of maternal deaths during a given time period per 100,000 live births during the same time period as reported.

The UN's Sustainable Development Goals (SDGs) aim at reducing global MMR to to less than 70 per 100,000 live births. Many women in the re-

productive age span die from complications during and following pregnancy and childbirth, or abortion.

"Maternal death is the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes," according to the World Health Organization (WHO).

The data state that maternal deaths, being a rare event, require prohibitively large sample sizes to provide robust estimates.

The WHO notes that every day in 2023, over 700 women died from preventable causes related to pregnancy and childbirth.

"A maternal death occurred almost every 2 minutes in 2023. Between 2000 and 2023, the MMR...dropped by about 40% worldwide. Just over 90% of all maternal deaths occurred in low- and lower-middle-income countries in 2023. Care by skilled health professionals before, during and after childbirth can save the lives of women and newborns," the WHO said.

1. Decline in Maternal Mortality Ratio (MMR):

- The MMR in India has declined to 93 per lakh live births in 2019-21 from 97 in 2018-20, and 103 in 2017-19, as per the Office of the Registrar General and Census Commissioner of India.
- The highest MMR is recorded in the **20-29 age group**, followed by the **30-34 age group**.

2. Regional Variation:

- States with High MMR:
 - Madhya Pradesh (175)
 - Assam (167)
 - Uttar Pradesh (151)
 - Odisha (135)
 - Chhattisgarh (132)
 - West Bengal (109)
 - Haryana (106)

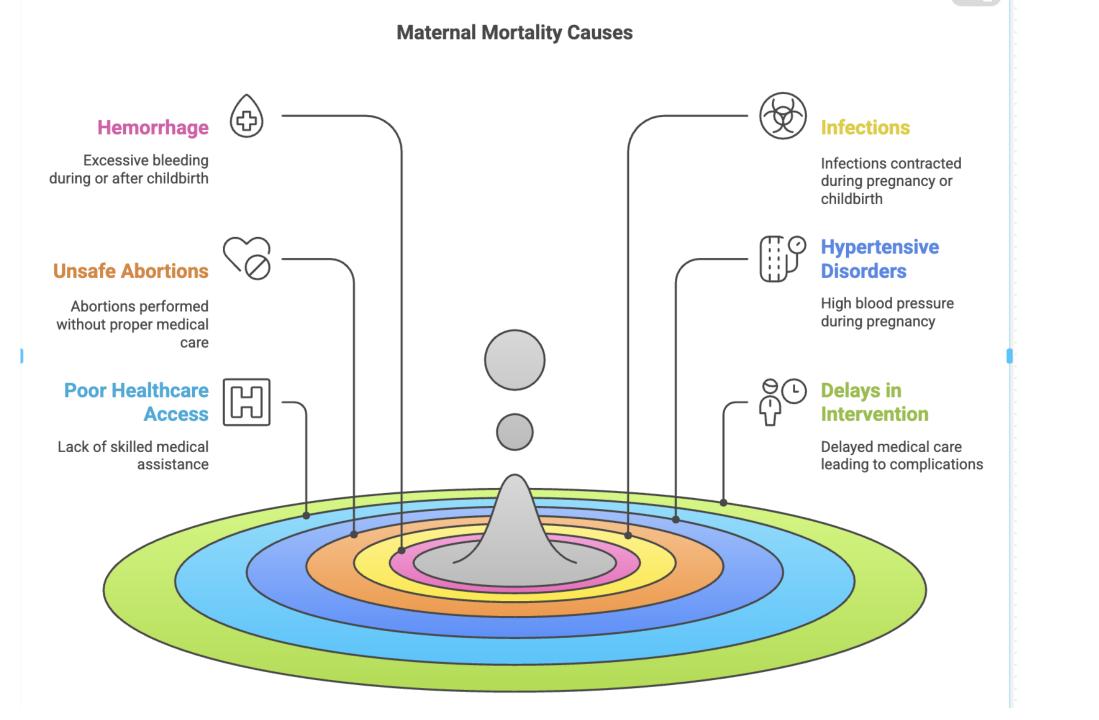
6. Efforts to Reduce MMR:

- The UN's Sustainable Development Goals (SDGs) aim to reduce the global MMR to less than 70 100,000 live births by 2030.
- Skilled healthcare before, during, and after childbirth is essential for reducing maternal mortality.

Contextual Analysis:

A. **Historical Perspective**:

- In the early 2000s, India's MMR was significantly higher, over 200 per lakh live births.
- Government schemes like Janani Suraksha Yojana (JSY) and Ayushman Bharat played a pivota in improving maternal healthcare access.



Top 10 Countries with the Lowest Maternal Mortality Ratios

Rank	Country	MMR (per 100,000 live births)	
1	Norway	1.7	
2	Denmark	2.0	
3	Netherlands	2.0	
4	Finland	3.0	
5	Italy	4.0	
6	Sweden	4.0	
7	Austria	4.0	
8	Germany	4.0	
9	Switzerland	5.0	
10	Japan	5.0	

India recorded 21 lakh additional deaths in 2021, say RGI reports

The Hindu Bureau NEW DELHI

India recorded over one crore deaths in 2021 – the second year of the CO-VID-19 pandemic – which was around 21 lakh deaths more than in 2020, show two key reports on registered births and deaths published this week by the Registrar-General of India (RGI) after a five-year gap.

"In the case of registered deaths, the number of registered events has gone up from 81.2 lakhs in 2020 to 102.2 lakhs in 2021, i.e., an increase of 26.0%," the report, "Vital Statistics of India based on the Civil Registration System for the year 2021", said. In 2019, 75.9 lakh deaths were registered.

The other report on the medical certification of the cause of death in 2021, compiled by the RGI, said that deaths with COVID-19 as the underlying cause increased from 1,60,618 in 2020 to 4,13,580 in 2021, which included 2,67,363 male, 1,46,215 female, and two transgender fatalities. In 2021, out of

In 2021, out of 10,224,506 deaths, as many as 23,95,128 were medically certified deaths, which was 5,83,440 more registered deaths when compared with those of 2020.

The report said a total of about

were reported in 2020 and 2021. The COVID-19 dashboard maintained by the Union Ministry of Health says that as on May 5, the total number of deaths induced by the pandemic stood at 5,33,665.

5,74,198 COVID-19 deaths

The report said that among the leading groups of causes, diseases of the circulatory system, including pulmonary ailments, constituted 29.8% of the total number of medically certified deaths, followed by deaths caused by CO-VID-19 at 17.3%; deaths caused by diseases of the respiratory system at 12.7%; and deaths caused by certain infectious and parasitic diseases at 6.1%. COVID-19 was the second leading cause of

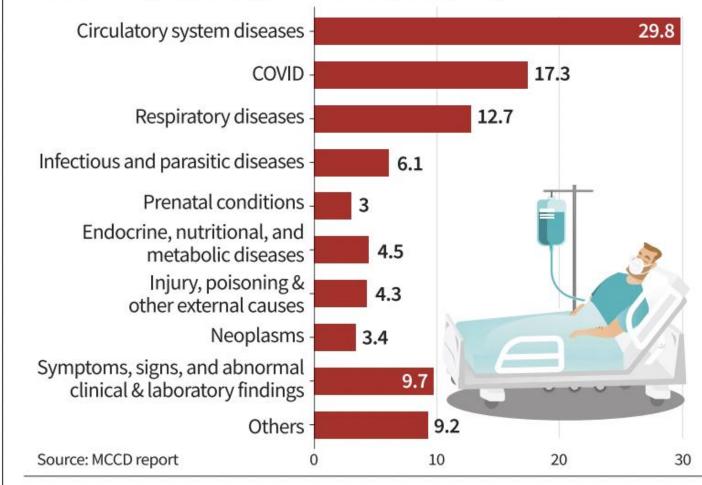
death in 2021; it was the third leading cause of death in 2020. Among the 32 States and

Union Territories, Uttar Pradesh, Gujarat, Maharashtra, Tamil Nadu, Madhya Pradesh, Karnataka, Bihar, Andhra Pradesh, Kerala, West Bengal, Odisha, Chhattisgarh, Haryana, Punjab, Telangana, harkhand and Delhi aon

Jharkhand, and Delhi contributed significantly to the increased number of deaths registered from 2020 to 2021, the report said. The number of registered births decreased by about 0.1%, it added.

Tracking fatalities

The chart shows the cause-wise share of registered deaths in 2021 as per newly released government reports (in %)



1. Significant Increase in Deaths:

- India recorded over 1 crore deaths in 2021, marking an increase of around 21 lakh additional deaths compared to 2020.
- This data was reported by the Registrar-General of India (RGI) after a five-year gap.

2. Increase in Registered Deaths:

- In 2020, 81.2 lakh deaths were registered, while in 2021, the number increased to 1.02 crore, marking a 26% rise.
- In comparison, **75.9 lakh** deaths were registered in 2019.

3. COVID-19 Impact:

- The second year of the COVID-19 pandemic contributed significantly to this increase.
- Deaths with COVID-19 as the underlying cause rose from 1.60 lakh in 2020 to 4.13 lakh in 2021.
 - Male deaths: 2,67,363
 - Female deaths: 1,46,215
 - Transgender deaths: 2
- COVID-19 was the second leading cause of death in 2021, compared to being the third leading cause in 2020.

4. Major Causes of Death in 2021:

- Circulatory system diseases (29.8%) including pulmonary ailments.
- COVID-19 (17.3%) marked as the second leading cause.
- Respiratory system diseases (12.7%)
- Infectious and parasitic diseases (6.1%)

5. Regional Distribution:

- Major states contributing to increased deaths in 2021:
 - Uttar Pradesh, Gujarat, Maharashtra, Tamil Nadu, Madhya Pradesh, Karnataka, Bihar, Andhra Pradesh, Kerala, West Bengal, Odisha, Chhattisgarh, Haryana, Punjab, Telangana, Jharkhand, Delhi

6. Certification and Reporting:

- Out of 1.02 crore deaths in 2021, around 23.95 lakh (23%) were medically certified.
- Compared to **2020**, there was an increase of **5.83 lakh certified deaths**.
- The number of registered births decreased by about 0.1%.

Top 10 Countries by Total COVID-19 Deaths (as of April 13, 2024)

Rank	Country	Total Deaths	Deaths per Million
1	United States	1,219,487	3,655
2	Brazil	711,380	3,316
3	India	533,570	382
4	Russia	402,756	2,761
5	Mexico	331,897	2,540
6	United Kingdom	232,112	3,397
7	Italy	196,487	3,259
8	Germany	183,027	2,183
9	France	167,642	2,565
10	Peru	220,975	6,601

RIL bows out as race for tagline Operation Sindoor gathers pace

Lalatendu Mishra MUMBAI

On a second thought and probable advise, Reliance Industries Ltd. (RIL) on Thursday withdrew its application for a patent on wordmark "Operation Sindoor" - the codename of India's "precision strike" military action on terrorist infrastructure in Pakistan and PoK - a day after applying for it.

The Mukesh Ambani-led company said it had no intonation of trademarking the phrase and abided by "India its First commitment".

"Reliance Industries has no intention of trademarking Operation Sindoor, a phrase which is now a part of the national consciousness as an evocative symbol of Indian bravery," RIL said in a statement.

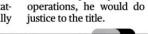
"Jio Studios, a unit of Reliance Industries, has withdrawn its trademark application, which was filed inadvertently by a junior person without authorisation," it said. "Reliance Industries and all its stakeholders are incredibly proud of Operation Sindoor, which came about in response to a Pakistansponsored terrorist attack in Pahalgam," it added.

"Operation Sindoor is the proud achievement of our brave Armed Forces in India's uncompromising fight against the evil of terrorism," the company stated. "Reliance stands fully

in support of our government and armed forces in this fight against terrorism. Our commitment to the motto of 'India First' remains unwavering," it added. Hours after news broke about the bombings in Pakistan and PoK, RIL and five others applied for trademarking the term on Wednesday. They had applied to the Office of the Controller General of Patents, Designs & Trade Marks, seeking to use the phrase in entertainmentrelated services, including audio and video content which could be produced as movies, documentaries and serials.

A retired Air Force officer, Group Captain Kamal Singh Oberh, and Alok Kothari, a Delhi High Court lawyer, are among the contenders after RIL pulled out. The others include Mukesh Chetram Agarwal and Jayaraj T.

While Mr. Kothari told The Hindu that he would give away all the profits from the movie to war widows, the retired Air Force officer said as someone who had worked in the forces and participated in



The company said it had no intonation of trademarking the phrase and abided by its India First commitment'

1. Withdrawal of Trademark Application:

- Reliance Industries Ltd. (RIL) withdrew its application to trademark the wordmark "Operation Sindoor".
- The decision came **a day after filing** for the trademark.
- The company clarified that the **application was filed inadvertently** by a junior employee **without authorization**.

2. Commitment to 'India First':

- RIL stated that it had no intention of trademarking the phrase, aligning its stance with its 'India First' commitment.
- The phrase is seen as an evocative symbol of Indian bravery and national consciousness.

5. Other Trademark Applicants:

- After RIL's withdrawal, other individuals, including:
 - Group Captain Kamal Singh Oberh (Retd.) Air Force Officer.
 - Alok Kothari Delhi High Court lawyer.
 - Mukesh Chetram Agarwal and Jayaraj T.
- They applied to use the phrase for entertainment-related services such as movies and documentaries.

6. Ethical Consideration:

 Group Captain Oberh stated that profits from the movie would be given to war widows, emphasizing a social responsibility aspect.

INTELLECTUAL PROPERTY RIGHTS (IPRs)

IP refers to intangible assets owned/legally protected by an individual/company from outside use or implementation without consent.

NEED FOR IPR

🕒 Encourages Innovation 🕒 Economic growth 🕒 Safeguard rights of creators 🕒 Enhances ease of doing business

RELATED CONVENTIONS/TREATIES (INDIA SIGNATORY TO ALL)

- () WIPO Administered (first recognised IPR under):
 - (e) Paris Convention for the Protection of Industrial Property 1883 (Patents, Industrial Designs)
 - (e) Berne Convention for the Protection of Literary and Artistic Works 1886 (Copyrights)
- WTO TRIPS Agreement:
 - ⊕ Ensures adequate standard of protection
 - (e) Argues for incentives for technology transfer to developing countries
- (Budapest Treaty 1977:
 - (e) International recognition of the deposit of microorganisms for the purposes of patent procedure
- (b) Marrakesh VIP Treaty 2016:
- Facilitate access to published works by visually impaired persons and persons with print disabilities
- (IPR also outlined in Article 27 (Universal Declaration of Human Rights)

INDIA AND IPRS - INITIATIVES

- Stational IPR Policy 2016:
 - Motto: "Creative India; Innovative India"
 - Ompliant with TRIPS Agreement
 - Brings all IPRs to single platform
 - Nodal Dept Department of Industrial Policy & Promotion (Ministry of Commerce)
- National (IP) Awareness Mission (NIPAM)
- Stalam Program for Intellectual Property Literacy and Awareness Campaign (KAPILA)

World Intellectual Property Day: 26th April

	Intellectual Property	Protection	Law in India	Duration
	Copyright	Expression of Ideas	Copyright Act 1957	Variable
	Patent	Inventions- New Processes, Machines, etc.	Indian Patent Act 1970	20 years Generally
	Trademarks	Sign to distinguish business goods or services	Trade Marks Act 1999	Can last Indefinitely
	Trade Secrets	Confidential Business Information	Protected without Registration	Unlimited time
	Geographical Indication (GI)	Sign used on specific geographical origin and possess qualities due to site of origin	Geographical Indication s of Goods(R & P) Act, 1999	10 years (Renewable)
	Industrial Design	Ornamental or aesthetic aspect of an article	Design Act, 2000	10 years

HOW WE INTERCEPT PAK DRONES, MISSILES, AND HOW WE HIT BACK

AIR DEFENCE (AD) SYSTEMS

are sophisticated military installations designed to protect against incoming aerial threats like aircraft, missiles, drones and helicopters. These systems comprise multiple layers of defensive capabilities working together to detect, track, and neutralise airborne dangers.

Modern air defence networks consist of several crucial components. Radar systems serve as the primary detection mechanism, constantly scanning the skies for potential threats. Early warning systems complement radar networks by gathering and processing data about approaching aircraft, missiles, or drones.

• **Command and control centres** form the brain of AD systems. They receive information from various sensors, process the data, and coordinate defensive responses. These centres house advanced computers and communication equipment, enabling rapid decisionmaking and response deployment.

• Surface-to-air missiles (SAMs) constitute the primary weapon systems in air defence. These missiles vary in range and capability, from shortrange systems protecting specific installations to long-range missiles defending larger areas. Modern SAMs feature sophisticated guidance systems and can engage multiple targets simultaneously.

• Mobile air defence units provide flexibility and can be rapidly deployed to protect moving forces or respond to emerging threats. These units typically consist of vehicle-mounted radar, missiles, and command systems, allowing for quick repositioning as tactical situations change.

INDIA'S AD ARSENAL

S-400 Triumf Surface-to-Air Missile System • 380-km range

 3 squads deployed under Rs 40,000cr deal with Russia in Oct 2018
 2 squads delayed to 2026-27 due to Russia-Ukraine war

Barak-8 MR-SAM

Over 70-km range
 Jointly developed with Israel under
projects initially worth Rs 30,000cr
 A large no. of units being progressively
inducted by IAF. Navy & Army

Akash

• 25-km range • IAF has inducted the bulk of 15 squads of Akash 1 & 2 systems ordered for Rs 10,900cr • Army has 4 regiments for Rs 22,340cr. More in pipeline

Spyder

 15-km range
 Israeli low-level quick-reaction anti-aircraft missile system
 Several units inducted by IAF & Army

> India's Akash ADS in action (File pic)

Shorter Range

 Newer Russian shoulder-fired Igla-S (6-km) systems Older Russian Igla-1M (5-km), OSA-AK-M (10-km), Pechora missiles & upgraded L-70 anti-aircraft guns (3.5-km)



S-400 TRIUME

s-400 HOW TH

 Acquisition ra any aerial target



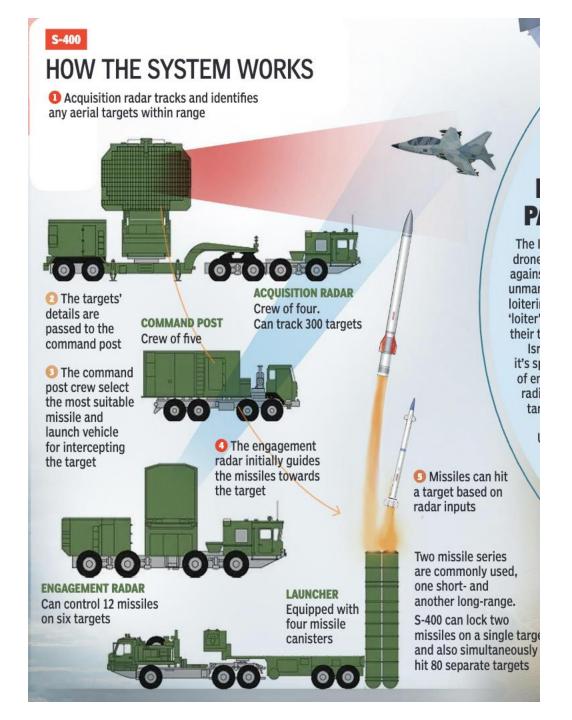
2 The targets' details are passed to the command post

reaction em by IAF & Army IAF & Army IAF & Army issile and launch vehicle

for intercepting the target

ENGAGEMENT RAD

Can control 12 mi on six targets



DRONE TARGETS PAK AIR DEFENCE

The Israeli-made Harpy is a suicide, or Kamikaze, drone that was reportedly used by Indian forces against Pakistani air defence and radar targets. These unmanned drones belong to a category known as loitering munitions, that is, they are designed to wait (or 'loiter'), airborne in a specific area and dive down to hit their target upon intercepting signals from it.

RANGE: 200km

Israel Aerospace Industries, the maker of Harpy, says it's specially enabled for "suppression and destruction of enemy air defences (SEAD/DEAD)". It can pick up radiation emitted by systems such as radars and target those autonomously.

ENDURANCE: USE: Anti-Air Defence Up To 9 Hrs MAX SPEED: 225 Knots PAYLOAD: can hit 16Kg (over 400kmph) ed on Warhead Representative series image nly used, ind g-range. ock two a single target nultaneously ate targets

80% OF PAKISTAN'S ARMS IMPORTS IS FROM CHINA

Between 2014 and 2024, China became Pakistan's dominant arms supplier, accounting for over 80% of Pakistan's major weapon imports in recent years. During this period, Islamabad entered numerous highprofile deals with Beijing across all service branches — army, air force, and navy covering everything from main battle tanks and air defence systems to advanced fighter jets, drones, frigates and submarines. These arms transfers were often accompanied by technology sharing and joint production. Pakistan, in the late 2010s, turned to

China's HQ-9 series of long-range surface-to air

missiles (comparable to Russian S-300/400 systems). In 2021, the Pakistani military reportedly inducted the HQ-9/P long-range SAM (with ~125 km range). By 2022, the Pakistan air force had also deployed the newer HQ-9BE variant (with extended 250+ km range). These are deployed around major cities and strategic sites.

HO-9/P SAM

125km

HO-9BE

RANGE:

World Red Cross and Red Crescent Day

- World Red Cross and Red Crescent Day is observed annually on 8th May to honour the humanitarian efforts of millions of volunteers worldwide.
- Theme 2025: "Keeping Humanity Alive" reflects a commitment to humanitarian service amid rising inequalities, health crises, and conflicts.
- Historical Background: The day was established in 1948 to commemorate the birth of Henry Dunant, born on 8th May 1828, who was the founder of the International Committee of the Red Cross (ICRC) and the first Nobel Peace Prize laureate, sharing the award with Frédéric Passy.

After witnessing the horrors of the Battle of Solferino (1859), Dunant advocated for humanitarian aid bodies, leading to the formation of the ICRC in 1863 and later the Geneva Conventions.

> The International Red Cross and Red Crescent Movement, with over 80 million members, includes the ICRC, 191 National Societies, it provides protection and aid during conflicts and disasters, upheld by the red cross, red crescent, and red crystal emblems.

IMDEX Asia 2025

About

Indian Naval Ship INS Kiltan arrived in Singapore to participate in **IMDEX Asia 2025 at the Changi Exhibition Centre.**

It is Asia Pacific's premier naval and maritime defence exhibition, held in Singapore and was established in 1997.

It is a biennial **event that brings** together naval leaders, maritime defence companies, and technology innovators from around the world.

The 2025 edition features over 230 exhibitors from 25 countries and welcomes more than 12,000 attendees from 70 nations.

Early Onset of Indian Monsoon

Mechanism of the Indian Monsoon: The Driving Forces

- **Differential Heating of Land and Sea:** In summer, India's landmass heats faster than the ocean, creating low pressure over land and drawing in moisture-laden winds from the sea.
- Inter-Tropical Convergence Zone (ITCZ): The ITCZ, where trade winds meet near the equator, shifts north during summer, intensifying low pressure over the Indo-Gangetic plain and drawing in monsoon winds.
- **Tibetan Plateau:** Its high elevation heats up, creating an upper-air low-pressure zone that strengthens vertical circulation and attracts monsoon winds.
- **Tropical Easterly Jet**: Develops during summer, strengthening monsoon trough and rainfall.
- ENSO:
 - El Niño: Warms Pacific waters, usually weakening Indian monsoon.
 - La Niña: Cools Pacific, often strengthening monsoon.
- Indian Ocean Dipole (IOD):
 - **Positive IOD:** Strengthens monsoon with warm western Indian Ocean.
 - Negative IOD: Weakens monsoon.

10 MCQ

Consider the following statements about World Red Cross and Red Crescent Day:

- 1.It is observed annually on 8th May.
- 2. The theme for 2025 is "Keeping Humanity Alive".
- 3.It commemorates the birth of Frédéric Passy, the first Nobel Peace Prize laureate.

Which of the above statements is/are correct?

A) 1 and 2 onlyB) 2 and 3 onlyC) 1 and 3 onlyD) All of the above

Which of the following is true regarding Henry Dunant?

- A) He founded the International Committee of the Red Cross (ICRC).
 B) He was the first Nobel Peace Prize laureate, sharing it with Frédéric Passy.
 - C) He was born on 8th May 1828.
 - D) All of the above

Consider the following statements regarding IMDEX Asia 2025:

1.It is a major maritime defense exhibition held in Singapore.

2. The event showcases naval technology and innovations.

3. India participated with its indigenous naval vessels.

• Which of the above statements is/are correct?

A) 1 and 2 only
B) 2 and 3 only
C) 1 and 3 only
D) All of the above

Which of the following correctly describes the mechanism of the Indian Monsoon?

- A) It is driven by the differential heating of land and sea.
 B) The Inter-Tropical Convergence Zone (ITCZ) remains stationary throughout the year.
 - C) The Tibetan Plateau has no role in monsoon formation.
 - D) Monsoon winds are primarily westerlies.

What role does the Tibetan Plateau play in the Indian Monsoon?

- A) It cools the surrounding region, reducing monsoon intensity.
 B) It creates a high-pressure system, inhibiting monsoon winds.
 C) Its elevation heats up, forming an upper-air low-pressure zone that attracts monsoon winds.
 - D) It has no significant impact on the monsoon

Consider the following about the Tropical Easterly Jet:

- 1.It develops during the summer monsoon.
- 2.It strengthens the monsoon trough and increases rainfall.
- 3. It is absent during El Niño years.
- Which of the above is/are correct?
 - A) 1 and 2 only
 B) 2 and 3 only
 C) 1 and 3 only
 D) All of the above

Which of the following correctly matches the climatic phenomenon with its impact on the Indian Monsoon?

A) El Niño - Strengthens Monsoon
B) La Niña - Weakens Monsoon
C) Positive IOD - Strengthens Monsoon
D) Negative IOD - Enhances Monsoon

Consider the following statements regarding Indian Ocean Dipole (IOD):

1.Positive IOD warms the western Indian Ocean, enhancing the monsoon. 2.Negative IOD leads to a dry monsoon season.

3.IOD has no impact on the monsoon when combined with La Niña.

• Which of the above statements is/are correct?

A) 1 and 2 only
B) 2 and 3 only
C) 1 and 3 only
D) All of the above

Which of the following is correct regarding El Niño and La Niña's impact on the Indian Monsoon?

- A) El Niño warms Pacific waters, weakening the monsoon.
 - B) La Niña cools Pacific waters, strengthening the monsoon.
 - C) Both statements are correct.
 - D) Neither statement is correct.

Which of the following correctly describes the significance of World Red Cross and Red Crescent Day 2025?

- A) The theme for 2025 is "Together for Humanity".
 - B) It focuses on the humanitarian efforts of millions of volunteers.
 - C) It commemorates the birth of Mahatma Gandhi.
 - D) It was established in 1968.

Word of the day

Shibboleth:

A favourite saying of a group, organisation or individual

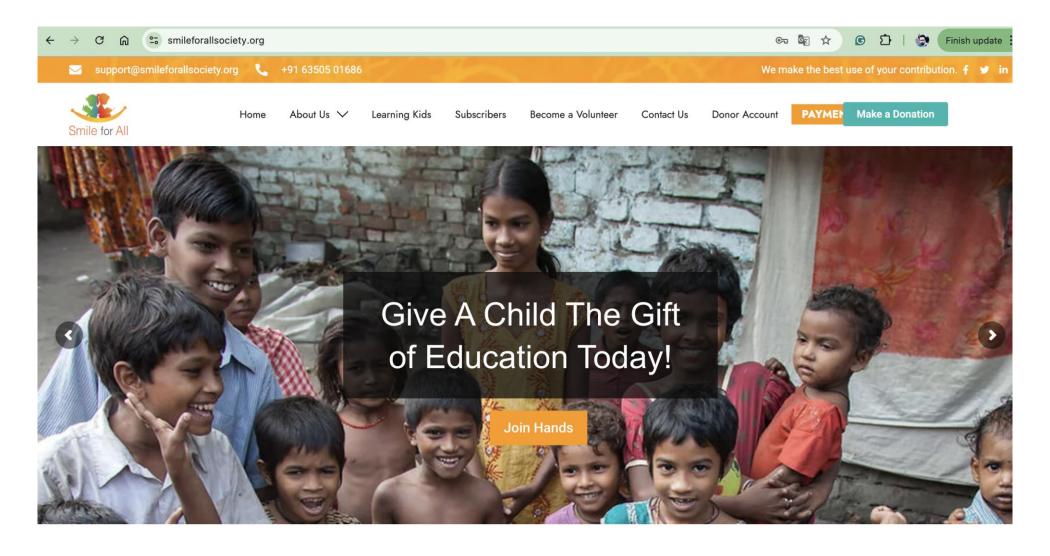
Synonyms: Catchword, motto, slogan

Usage: Her use of slang was a shibboleth of youth culture.

Pronunciation:

newsth.live/Shibbolethpro

International Phonetic Alphabet: Γιbəlεθ















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Thank you guys.