

Daily Current Affairs





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The Hindu



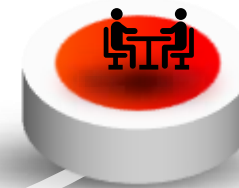
1
**PIB, PRS & Other
newspaper**



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**The Indian
Express**



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10 MCQ QUIZ



“Blessed is he who expects nothing, for he shall never be disappointed.”

— Alexander Pope



INSIDE



Waves of Russian drones kill three more in Ukraine

KYIV Russia attacked two Ukrainian cities with waves of drones and missiles early on Tuesday, killing three people and wounding at least 13 in what President Volodymyr Zelenskyy called "one of the biggest" attacks in the three-year-old war. The attack struck Kyiv and the southern port city of Odesa. > PAGE 14

Will not tolerate visa abuse: US, Embassy in India

NEW DELHI The United States "will not tolerate abuse of visa and visitation of U.S. law," the U.S. Embassy said on Tuesday. The remarks came after a video showed an Indian student being restrained by security personnel at the New York Liberty International Airport, which prompted discussion on the strict immigration rules prevailing in the U.S. > PAGE 4

How can Pakistan lead fight against terrorism: Rajnath

NEW DELHI Defence Minister Rajnath Singh on Tuesday expressed shock over Pakistan's appointment as vice-chair of the UNCTED counterterrorism panel, citing its record of harbouring terrorists. He questioned international credibility and urged global institutions to treat terrorism with greater seriousness. > PAGE 5

Don't withhold Tamil Nadu's RTE funds over NEP dispute: HC to Union Ministry

Mohamed Imamsulahi S. CHENNAI

The Madras High Court on Tuesday directed the Union Ministry of Education to consider splitting the disbursement of funds to the Tamil Nadu government under its flagship Samagra Shiksha scheme, so that money needed to fund private schools under the right of children to Free and Compulsory Education (RTE) Act can be disbursed.

The RTE component amounts to about ₹200 crore, while the total amount payable to Tamil Nadu under the scheme amounts to ₹2,191.59 crore, amidst a row over the State's refusal to implement the National Education Policy, 2020. The court also told the State government that non-acceptance of funds from the Centre cannot be used as a "reason to wriggle out" of



its own obligation to pay the private schools, the judges said. "Section 7 of the RTE Act states that the Central Government shall discharge the RTE obligations need not be linked to NEP 2020," it said. Since the Tamil Nadu government had already filed a civil suit before the Supreme Court demanding discharge of ₹526 funds of ₹2,191.59 crore, the judges said. "We are not in a position to issue any binding direction in this regard," they said. The amount directed to the Centre to merely "consider" delinking the RTE component from the ₹526 funds and discharging the amount accordingly. On the other hand, the Division Bench directed the State government to reimburse the private schools which make admissions under the RTE Act. "The State government has an obligation to reimburse private unaided schools," the court observed.

Central Government's share towards discharging the RTE obligations need not be linked to NEP 2020," it said. Since the Tamil Nadu government had already filed a civil suit before the Supreme Court demanding discharge of ₹526 funds of ₹2,191.59 crore, the judges said. "We are not in a position to issue any binding direction in this regard," they said. The amount directed to the Centre to merely "consider" delinking the RTE component from the ₹526 funds and discharging the amount accordingly. On the other hand, the Division Bench directed the State government to reimburse the private schools which make admissions under the RTE Act. "The State government has an obligation to reimburse private unaided schools," the court observed.

Meitei group lifts shutdown in Manipur

Behal Karmakar, CHANAYAT

The Arambai 'Pengrol' GPF, an armed Meitei radical group in Manipur, has withdrawn the 10-day shutdown it had called to protest the June 7 arrest of its senior leader Asim Kanan Singh. Announcing the withdrawal of the shutdown on Tuesday, AP spokesperson Robin Mangang said the group had heeded public appeals to take the decision. "We decided to suspend the shutdown to lessen the inconvenience faced by the people across the valley," he told journalists in the State's capital, Imphal. However, he added that the group will continue with democratic forms of protest until their leader is released unconditionally.



was 2.0, the same as the year before, with the report saying that the replacement level TFR "has been attained" nationally. The TFR measures the number of children a woman is expected to have throughout her reproductive age.

ity goals. Calling this the "crisis of the future," the report calls for the pursuit of reproductive agency — a person's ability to make free and informed choices about sex, contraception and starting a family — in a changing world.

India's population hits 146.39 crore: UNFPA

The country's total fertility rate declined to 1.9, falling below the replacement level of 2.1, it says

The number of people in India expected to peak at 170 crore before declining in around 40 years

It says 68% of the population in the world's most populous nation is in the age group of 15 to 64

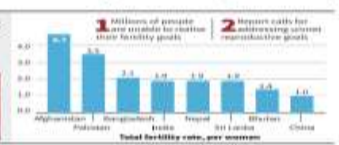
The Hindu Bureau NEW DELHI

India's population is estimated to have reached 146.39 crore by April, says a new UN demographic report, which adds that the country's total fertility rate (TFR) has declined to 1.9, falling below the replacement level of 2.1. The population is expected to grow to 170 crore before starting to dip in about 40 years, the report titled "State of the World Population 2023: The Road to Sustainable Development Goals" says. It calls India the "world's most populous nation", while pegging China's current population at 141.66 crore. The demographic indicators in the United Na-

tions Population Fund report for 2023 are close to India's own projection of its population published in 2020 by a technical group of experts. According to these projections, India, as of 2025, will have a population of 141.10 crore. The decennial Census, due to have been conducted in 2023, has been delayed and the government has now announced that it will be completed by March 2027. The last Census was conducted in 2011.

Below replacement

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India's youth population remains significant, with about 24% of the population in the age bracket of 0-14, 17% in the age bracket of 15-19, and 26% in the age group of 20-24. Further, the report estimates that 68% of the population in India is of working age (15-64 years).

Elderly population The elderly population (65 and older) currently stands at 7%, a figure that is expected to rise in the coming decades as life expectancy improves, the report adds, confirming the projections the government in India has been working with.

The UN report says that as of 2023, life expectancy at birth is projected to be 75 years for men and 74 years for women. The report says its statistical tables on demography indicate "drawn on nationally representative household surveys" such as "Demographic and Health Surveys (DHS) Multi-topic Indicator Cluster Surveys (MICS), United Nations estimates, and inter-agency estimates". "They also include the latest population estimates and projections from World Population Prospects: The 2024 revision, and Model-based Estimates and Projections of Family Planning Indicators 2024 (United Nations Department of Economic and Social Affairs, Population Division)," it adds.

Burning, listing container ship adrift off Kerala coast; alert sounded for oil spill

The Hindu Bureau KERALA

Authorities issued a potential oil spill advisory on Tuesday even as explosions and a massive fire rocked the M.V. Wan Hai 803, a Singapore-flagged vessel that caught fire nearly 60 nautical miles off the coast near Kochi on Monday. Efforts to control the fire were still continuing through Tuesday and four crew members are still reported missing, while six others have been admitted to hospital. The ship was on route from Colombo to Mumbai when fire broke out on board after a container explosion. The vessel is currently adrift and the Indian National Centre for Ocean Information Services (INCOIS) has issued advisories warning of drifting containers and a potential oil spill.

According to its cargo manifest, the ship is carrying 157 containers with hazardous substances including flammable liquids and solids, solids that can spontaneously combust and substances harmful to human health. Due to which firefighting operations require caution and expert advice. Inflammable materials There are also approximately 2,000 tonnes of fuel oil and 240 tonnes of diesel in tanks located adjacent to the fire zone on the ship, creating an imminent threat of explosion. On the other hand, from the mid ship area and container bay just ahead of the fire, thick smoke is reportedly rising from the vessel. The ship is tilting approximately 10 to 15 de-



Coast Guard ships Samudra Prabhat and Sachet working to douse the fire on M.V. Wan Hai 803 on Tuesday. X/INCOIS/COASTGUARD

Vessel has 157 containers with hazardous materials

The Hindu Bureau KERALA

According to the cargo manifest, there are 157 containers with hazardous substances on M.V. Wan Hai 803. These include flammable liquids (Class 3), flammable solids (Class 4.1), spontaneously combustible solids (Class 4.2), and toxic substances (Class 6.1) harmful to human health. 3), flammable solids (Class 4.1), spontaneously combustible solids (Class 4.2), and toxic substances (Class 6.1) harmful to human health. SOURCE IN THE SEA > PAGE 7

er, caution is advised about a few containers beaching between Kozhikode and Kochi. The situation is being closely monitored and updated drift directions will be provided, the INCOIS statement said. Close watch Kozhikode District Collector Anil Kumar Singh directed the district-level pollution response team to make arrangements to address a possible spill of fuel in the sea or the shore, and the resulting pollution impact. A doctor at the Hospital where the crew members have been admitted said that the crew members are not jumped into the water as had been reported earlier. They were all in the vessel and were rescued from their bilobes by the Coast Guard. (With inputs from the Mangalore Bureau)

India's population hits 146.39 crore: UNFPA

The country's total fertility rate declined to 1.9, falling below the replacement level of 2.1, it says

The number of people in India expected to peak at 170 crore before declining in around 40 years

It says 68% of the population in the world's most populous nation is in the age group of 15 to 64

The Hindu Bureau
NEW DELHI

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The decennial Census, due to have been conducted in 2021, has been delayed and the government has now announced that it will be completed by March 2027.

The last Census was conducted in 2011.

Replacement level TFR

According to the latest Sample Registration System statistical report published by the Office of the Registrar General of India for 2021, the TFR in India

Below replacement

Indian women are having fewer children than needed to maintain the population size across generations



Source: UNFPA data for 2025

was 2.0, the same as the year before, with the report saying that the replacement level TFR "has been attained" nationally.

The TFR measures the number of children a woman is expected to have throughout her reproductive age.

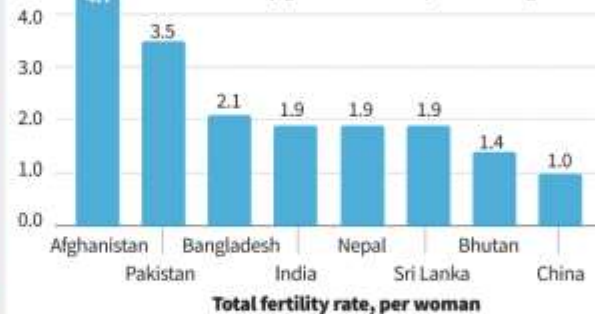
Replacement level TFR is the rate needed for each generation to replace the previous generation's population.

The real crisis

The UN report says that millions of people are not able to realise their real fer-

1 Millions of people are unable to realise their fertility goals

2 Report calls for addressing unmet reproductive goals



India's youth population remains significant, with about 24% of the population in the age bracket of 0-14, 17% in the age bracket of 10-19, and 26% in the age group of 10-24. Further, the report estimates that 68% of the population in India is of working age (15-64 years).

Elderly population

The elderly population (65 and older) currently stands at 7%, a figure that is expected to rise in the coming decades as life expectancy improves, the report adds, confirming the projections the government in India has been working with.

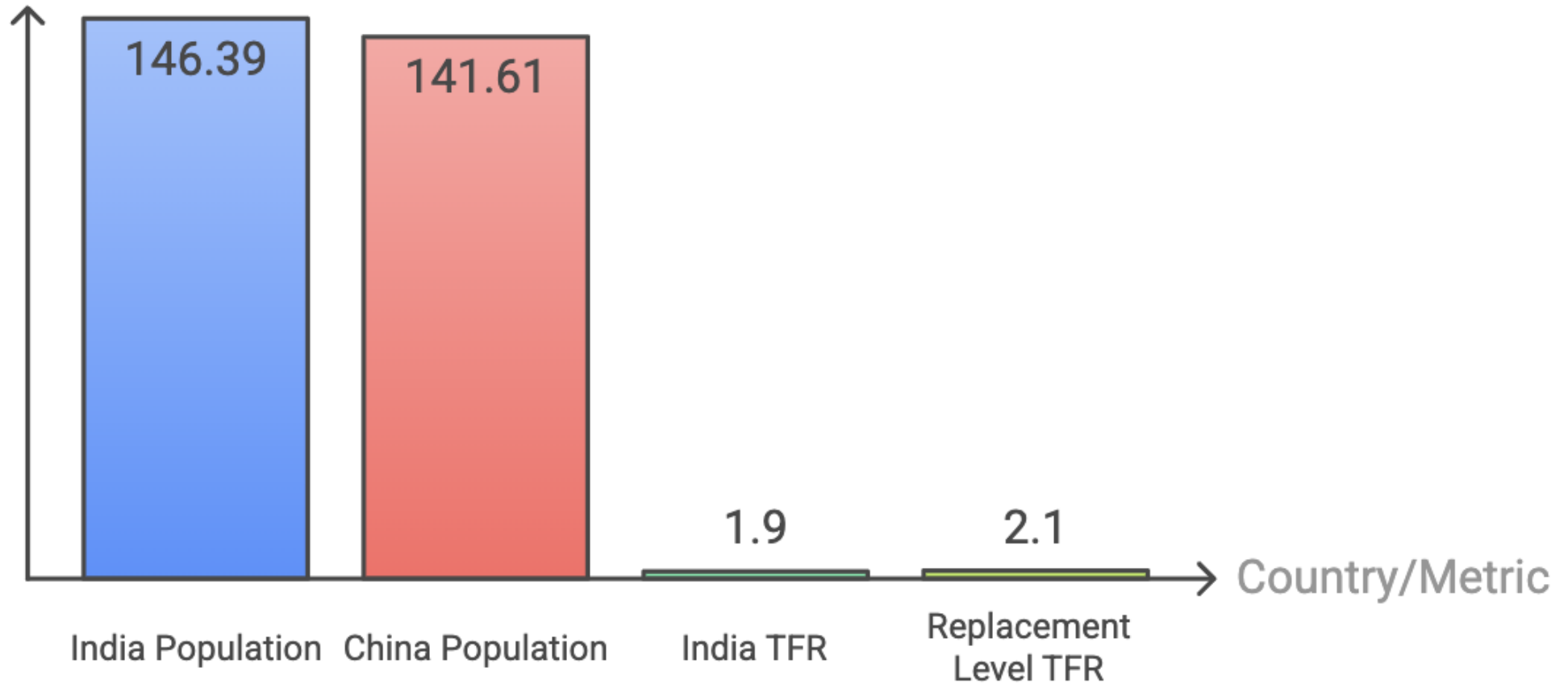
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"They also include the latest population estimates and projections from World Population Prospects: The 2024 revision, and Model-based Estimates and Projections of Family Planning Indicators 2024 (United Nations Department of Economic and Social Affairs, Population Division)," it adds.

Population/Fertility Rate



Population and Fertility Rates of India and China

Indicator	Data
👤 Population (India)	146.39 crore
👶 Total Fertility Rate (TFR)	1.9 (below replacement rate of 2.1)
📈 Expected Peak Population	~170 crore in ~40 years, then decline
👤 Replacement TFR	2.1 children per woman
👶 0–14 age group	24%
👶 10–19 age group	17%
👤 15–64 age group	68% (working age population)
👴 65+ elderly population	7% (expected to rise)
⌚ Life Expectancy (2025)	Men – 71 yrs; Women – 74 yrs

◆ 2. TFR Comparison with Neighbours (2025 UNFPA Data)

Country	Total Fertility Rate (TFR)
Afghanistan	4.7
Pakistan	3.5
Bangladesh	2.1
India	1.9
Nepal	1.9
Sri Lanka	1.9
Bhutan	1.4
China	1.0

◆ 3. UNFPA's Concern: "Real Fertility Crisis"

- Not about **overpopulation**, but:
 - Millions of people unable to realize **reproductive goals**.
 - Lack of access to **contraception**, **sexual education**, and **reproductive freedom**.
- Calls for empowering individuals with **informed reproductive choices**.

◆ 4. Census Delay

Census Year	Status
2011	Last completed
2021	Delayed (COVID, technical issues)
New Deadline	By March 2027

Q. With reference to the demographic trends in India as per UNFPA 2025, consider the following statements:

1. India's total fertility rate has increased compared to 2021.
2. India's population is expected to decline after peaking at around 170 crore in 40 years.
3. Over 60% of India's population is currently under the age of 15.

Which of the above statements is/are correct?

- A. 1 and 2 only
- B. 2 only
- C. 3 only
- D. 1 and 3 only

Burning, listing container ship adrift off Kerala coast; alert sounded for oil spill

The Hindu Bureau
KOZHIKODE

Authorities issued a potential oil spill advisory on Tuesday even as explosions and a massive fire rocked the M.V. Wan Hai 503, a Singapore-flagged vessel that caught fire nearly 88 nautical miles off the Kerala coast near Kozhikode on Monday. Efforts to control the fire were still continuing through Tuesday and four crew members are still reported missing, while six others have been admitted to hospital.

The ship was en route from Colombo to Mumbai when fire broke out on board after a container explosion. The vessel is currently adrift and the Indian National Centre for Ocean Information Services (INCOIS) has issued advisories warning of drifting containers and a potential oil spill.

According to its cargo manifest, the ship is carrying 157 containers with hazardous substances – including flammable liquids and solids, solids that can spontaneously combust and substances harmful to human health – due to which firefighting operations require caution and expert advice.

Inflammable materials

There are also approximately 2,000 tonnes of fuel oil and 240 tonnes of diesel in tanks located adjacent to the fire zone on the ship, creating an imminent threat of explosion.

Flames were reported from the mid-ship area and container bay just ahead of the accommodation block. Though the forward bay fire has been brought under control, thick smoke is reportedly rising from the vessel.

The ship is tilting approximately 10 to 15 de-



Coast Guard ships Samudra Prahar and Sachet working to douse the fire on M.V. Wan Hai 503 on Tuesday. X/@INDIA COASTGUARD

Vessel has 157 containers with hazardous materials

The Hindu Bureau
KOZHIKODE

According to the cargo manifest, there are 157 containers with hazardous substances on M.V. Wan Hai 503. These include flammable liquids (Class

3); flammable solids (Class 4.1); spontaneously combustible solids (Class 4.2); and toxic substances (Class 6.1) harmful to human health.

SMOKE IN THE SEA
» PAGE 3

grees to its left, and a number of containers have reportedly fallen overboard, with 10-15 of them spotted adrift on a course toward the Kerala coast. Coast Guard ships Samudra Prahar and Sachet are carrying out firefighting and boundary cooling operations at sea. Another Coast Guard vessel Samarth, with a team of salvors is being deployed from Kochi to support the ongoing efforts. A Coast Guard Dornier aircraft also conducted an aerial survey of the site.

INCOIS has activated its Search and Rescue Aid Tool to track the possible drift patterns of containers, debris, or people who may have gone overboard.

Simulations show that the containers are likely to continue to drift in the ocean for the next three days and might take longer to reach the beach. However,

caution is advised about a few containers beaching between Kozhikode and Kochi. The situation is being closely monitored and updated drift directions will be provided, the INCOIS statement said.

Close watch

Kozhikode District Collector Snehil Kumar Singh directed the district-level pollution response team to make arrangements to address a possible spill of fuel in the sea or the shore, and the resulting pollution impacts.

A doctor at the Hospital where the crew members have been admitted said that the crew members had not jumped into the water as had been reported earlier. They were all in the vessel and were rescued from their lifeboat by the Coast Guard. (With inputs from the Mangaluru Bureau)

Smoke in the sea

M.V. Wan Hai 503, a cargo ship caught fire nearly 88 nautical miles off the Beypore coast in Kozhikode on Monday. The cargo manifest says the ship is carrying flammable solids and liquids

RISK CATEGORIES

According to manifest, there are 157 containers with hazardous substances belonging to several risk categories



Class 3:
Flammable liquids



Class 4.1:
Flammable solids



Class 4.2:
Spontaneously igniting solids

Class 6.1: Substances either in liquid or solid form that can damage human health (classification labels based on the International Maritime Organisation (IMO))

■ The containers have flammable resin solution, environmentally hazardous benzophenone, **nitro cellulose with alcohol**, flammable printing ink, among others



1 Out of the 22-member crew, **18 were rescued** from ship. Six have been hospitalised. Four are missing

2 Due to the **presence of hazardous cargo**, firefighting operations are being done cautiously pending hazard verification and expert advice on appropriate extinguishing methods

3 Considering the magnitude of fire, **multiple salvage and rescue** options are being considered by the Indian Navy and the Indian Coast Guard

- **M.V. Wan Hai 503**, carrying **157 hazardous containers**, about **88 nautical miles off Kozhikode**, Kerala. The incident triggered a **potential oil spill advisory**, and the **Indian Coast Guard**, INCOIS, and local authorities have been mobilized to prevent an environmental disaster.



SITUATION REPORT

■ According to government agencies, the vessel remains **adrift and unmanned** for the second consecutive day

The ship also contains

2,000 tonnes

of fuel oil and 240 tonnes of diesel located adjacent to the current fire zone. This is a major concern for the agencies involved in the **firefighting exercise as it has the potential for further fire escalation**

■ It continues to emit smoke and flames from **Bays 2 and 3** (port and starboard)

■ The **immediate concern** remains containing the drift of the vessel away from the Indian coast

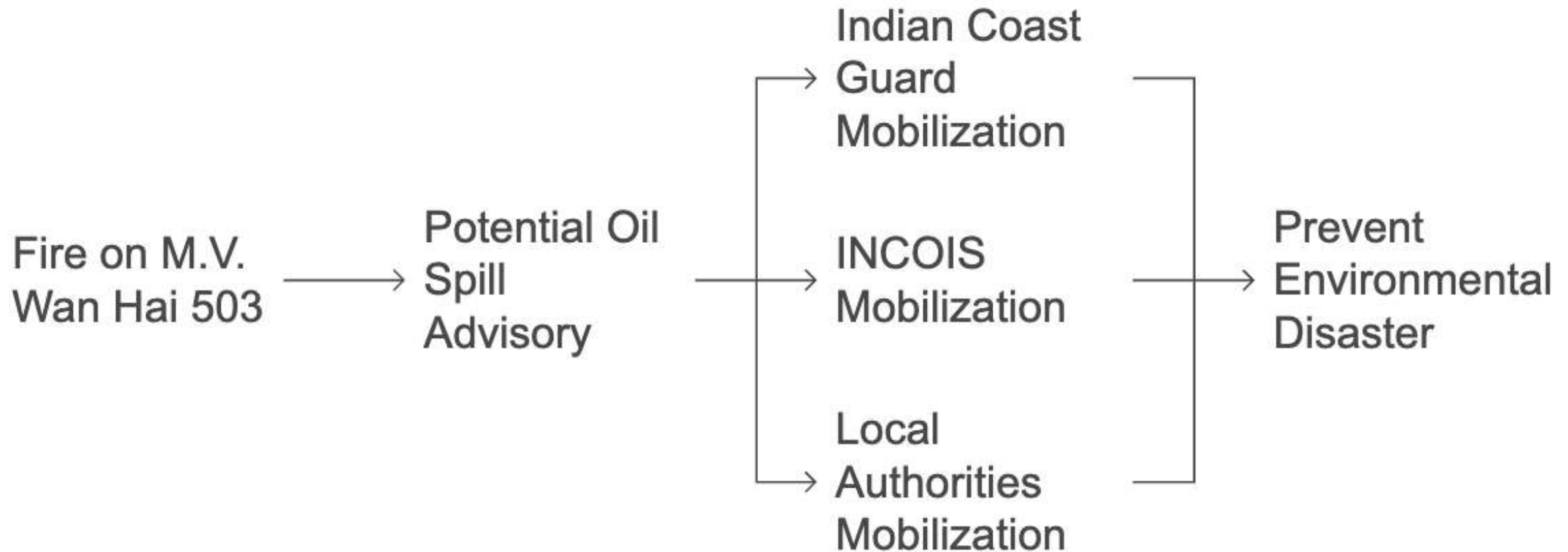
Approximately

10–15 containers, contents of which remain unknown, have been sighted adrift in a southeasterly direction by a Coast Guard aircraft. **If unmitigated, these may reach the coast around June 12**

The MV Wan Hai 503 was heading from Colombo, Sri Lanka to Mumbai



Response to M.V. Wan Hai 503 Incident



◆ 2. Hazardous Materials on Board

Material Type	Classification
Flammable liquids	Class 3
Flammable solids	Class 4.1
Spontaneously combustible substances	Class 4.2
Toxic substances harmful to human health	Class 6.1

💣 Additional Threat:

- **2,000 tonnes of fuel oil**
- **240 tonnes of diesel** near the fire zone

Q. With reference to marine disaster management in India, consider the following statements:

1. The Indian National Centre for Ocean Information Services (INCOIS) is responsible for tracking marine drift patterns and issuing oil spill alerts.
2. Class 6.1 cargo refers to substances that are flammable gases.
3. The Indian Coast Guard is the nodal agency for offshore oil spill response.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. All three

Don't withhold Tamil Nadu's RTE funds over NEP dispute: HC to Union Ministry

Mohamed Imranullah S.
CHENNAI

The Madras High Court on Tuesday directed the Union Ministry of Education to consider splitting the disbursement of funds to the Tamil Nadu government under its flagship Samagra Shiksha scheme, so that money needed to reimburse private schools under the Right of Children to Free and Compulsory Education (RTE) Act can be disbursed.

The RTE component amounts to about ₹200 crore, while the total amount pending to Tamil Nadu under the SSS amounts to ₹2,151.59 crore, amidst a row over the State's refusal to implement the National Education Policy, 2020.

The court also told the State government that non-receipt of funds from the Centre cannot be used as a "reason to wriggle out" of

Section 7 of the RTE Act states that the Central government and the State governments have concurrent responsibility for providing funds for carrying out the provisions of the Act... Therefore, funds payable to the State Government representing the Central Government's share towards discharging the RTE obligations need not be linked to NEP 2020

MADRAS HIGH COURT



its own obligation to pay the private schools.

Independent obligation

A Division Bench of Justices G.R. Swaminathan and V. Lakshminarayanan noted that the Centre had some issues in releasing SSS funds as the State government has not adopted the NEP. However, it has an independent obligation under the RTE Act of 2009,

which has nothing to do with non-adoption of NEP, the judges said. "Section 7 of the RTE Act states that the Central government and the State governments have concurrent responsibility for providing funds for carrying out the provisions of the Act..." the Division Bench observed.

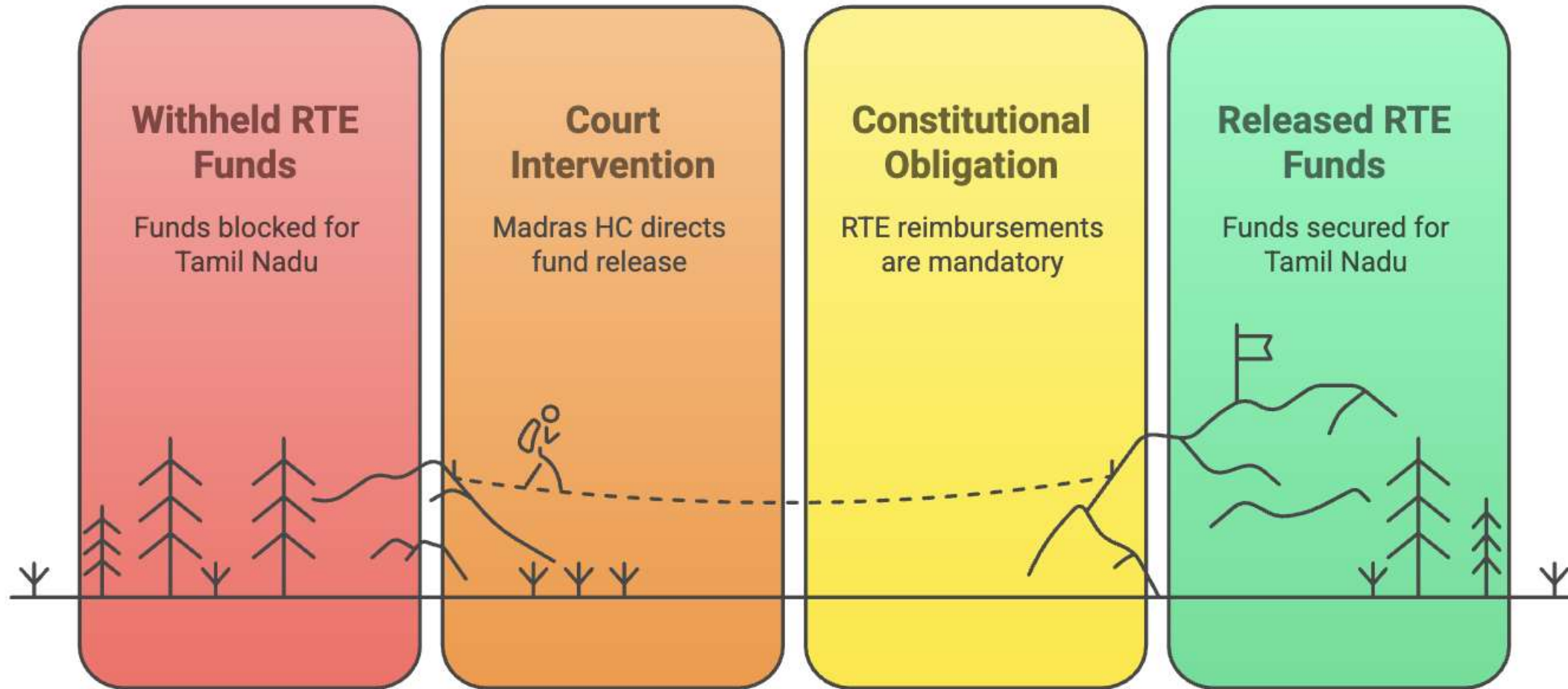
"Therefore, funds payable to the State Government representing the

Central Government's share towards discharging the RTE obligations need not be linked to NEP 2020," it said.

Since the Tamil Nadu government had already filed a civil suit before the Supreme Court demanding release of SSS funds of ₹2,151.59 crore, the judges said: "We are not in a position to issue any binding direction in this regard," and stopped with issuing a direction to the Centre to merely "consider" delinking the RTE component from the SSS funds and disbursing the amount accordingly.

On the other hand, the Division Bench directed the State government to reimburse the private schools which make admissions under the RTE Act. "The State government has an obligation to reimburse private unaided schools," the court observed.

Securing RTE Funds for Tamil Nadu




Feature	Details
 Court Involved	Madras High Court (Division Bench)
 Law Cited	Right of Children to Free and Compulsory Education Act, 2009 (RTE Act)
 Central Scheme Linked	Samagra Shiksha Scheme (SSS)
₹ Amount Pending to TN	₹2,151.59 crore (total), ₹200 crore under RTE component
 Issue	Tamil Nadu refused to adopt NEP 2020
 Court's Observation	RTE fund should not be withheld over NEP non-adoption
 Section Cited	Section 7 of the RTE Act – Concurrent responsibility of Centre and State



◆ 3. State vs Centre Conflict Overview


Issue	Centre's View	Tamil Nadu's View
NEP 2020 Adoption	Mandatory for full SSS funding	Opposed to NEP; favors state-specific model
RTE Fund Disbursal	Withheld due to NEP rejection	Says RTE is a separate legal right
Court's Intervention	Urges Centre to reconsider policy	Reinforces state's right to RTE funds



Q. With reference to the Right of Children to Free and Compulsory Education Act (RTE Act), 2009, consider the following statements:

1. The responsibility to implement the provisions of the RTE Act lies solely with the Union Government.
2. The RTE Act requires both Centre and States to share funding responsibilities.
3. Implementation of NEP 2020 is a mandatory requirement for receiving RTE funds.

Which of the above statements is/are correct?

- A. 1 and 2 only
 - B. 2 only
 - C. 2 and 3 only
 - D. All three
- 

Govt sets min temp for ACs at 20°C

Sanjay Dutta | TNN

New Delhi: All new air-conditioners (ACs) will soon come with a minimum temperature setting of 20°C instead of 16 or 18°C and a maximum of 28°C against 30°C at present, a move that can potentially result in savings of Rs 18,000-20,000 cr for consumers over three years.

Power minister Manohar Lal Khattar on Tuesday also announced Rs 5,400-crore VGF funding for 30 GW of battery storage projects and extension of the waiver of inter-state transmission charges for green power till June 28, 2028. These decisions are expected to spur investments of Rs 33,000 crore in battery storage projects and prove a boon for Rs 1 lakh crore worth of green transmission projects underway.

Describing it as a "unique experiment", Khattar said the new mandate for AC makers will improve efficiency in cooling operations, mitigating the surge in power demand and electricity bills as summers get hotter.

As and when the new norms are notified, they will apply to ACs used across sectors—from residential places to commercial establishments such as office blocks, malls, hotels and movie theatres, which often run their units at the lowest setting.

The 'experiment' appears to be inspired by similar



MONEY-SAVING MOVE







moves in Italy and Japan. While Rome has fixed the lowest temperature setting for public buildings at 23°C, Japan follows a fixed temperature of 27°C. Govt data indicate that every 1°C increase in temperature setting for cooling reduces power consumption by 6%. They also show that if 6 crore urban households and 12 lakh commercial establishments keep their AC setting between 22 and 24°C, it will save 12-15 billion units of power annually, do away with the need to build 4-5 coal-fired power plants and substantially reduce carbon emissions.

Industry bodies representing the manufacturers said the move will raise their R&D expenses but also push up demand for more efficient units, which usually cost more.

Based on a 2018 Bureau of Energy Efficiency study, the govt had in 2020 mandated a default setting of 24 degrees C for ACs and suggested running units at 26-27 degrees C.

The Indian government is set to implement a new mandate that requires **all new air-conditioners (ACs)** to have a **minimum temperature setting of 20°C** (instead of 16°C or 18°C earlier) and a **maximum of 28°C** (earlier 30°C).

This is aimed at **energy efficiency, carbon reduction, and cost savings.**


Feature	Details
 Minimum Temperature Setting	20°C (was 16–18°C earlier)
 Maximum Temperature Cap	28°C (was 30°C earlier)
 Implementation Scope	Residential + Commercial (offices, malls, theatres)
 Expected Savings	₹18,000–20,000 crore over 3 years
 Energy Saved	12–15 billion units of electricity annually
 International Examples	Rome (23°C for public buildings), Japan (27°C fixed)

◆ 2. Environmental and Economic Impact


Impact Area	Details
🌱 Carbon Emission Reduction	Cuts need for 4–5 coal-based power plants
📉 Energy Efficiency	Every 1°C increase in temp → 6% power saving
👥 Beneficiary Sectors	6 crore urban homes & 12 lakh commercial units

◆ 3. Complementary Green Energy Measures

Announcement	Detail
₹5,400 Cr VGF for battery storage	For 30 GW battery storage projects
🚚 Waiver Extension	Inter-state transmission charges for green energy till June 28, 2028
💰 Potential Investment Boost	₹33,000 crore in battery storage sector
😊 Green Project Support	₹1 lakh crore worth of projects



Year	Initiative
2018	BEE study suggested 24°C default, 26–27°C ideal setting
2020	Government mandated 24°C as default for ACs



Q. With reference to India's energy efficiency policies for air conditioning, consider the following statements:

1. The Bureau of Energy Efficiency (BEE) had earlier proposed 24°C as the default AC setting.
2. Every 1°C increase in temperature setting results in around 3% power saving.
3. The new mandate will require air conditioners to have a minimum temperature setting of 20°C and maximum of 28°C.

Which of the above statements is/are correct?

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. All three

KNOW YOUR VITAL STATS

Cardiac Arrest vs Heart Attack

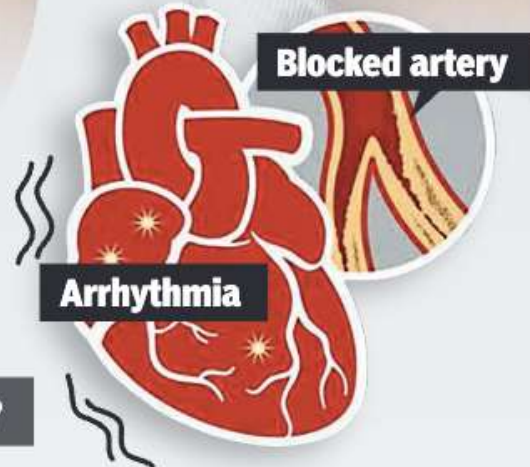
Many think both terms are the same. Here's why they are not:

WHAT IS CARDIAC ARREST?

- Cardiac arrest is an “**electrical**” problem
- **It occurs when the heart stops beating unexpectedly.** Is triggered by an electrical malfunction that causes an irregular heartbeat (arrhythmia). With its pumping action disrupted, the heart cannot pump blood to the brain, lungs and other organs

WHAT IS A HEART ATTACK?

- Heart attack is a “**circulation**” problem



WHAT IS A HEART ATTACK?

- Heart attack is a “**circulation**” problem
- **It occurs when blood flow to the heart is blocked.** A blocked artery prevents oxygen-rich blood from reaching a section of the heart. If not reopened quickly, the part of the heart nourished by that artery begins to die

WHAT HAPPENS

- In **cardiac arrest**, within seconds, the person begins gasping for breath and soon becomes unresponsive. **Death occurs quickly if the person doesn't receive immediate CPR**
- In **heart attack**, symptoms include intense discomfort in chest or other areas of upper body, shortness of breath, cold sweats, and/or nausea/ vomiting. Most often, symptoms start slowly and persist for hours, days or weeks before a heart attack. The heart usually doesn't stop beating. **But the longer it takes for treatment, the greater the damage**

WHAT IS THE LINK?

Most heart attacks don't lead to cardiac arrest. But the common cause of a cardiac arrest is a heart attack. Other conditions may also disrupt the heart's rhythm and lead to cardiac arrest



Drone – The New Face of Warfare

DRONE NAME	MAJOR MINERALS
<ul style="list-style-type: none"> • Heron TP • Rustom-II • MQ-9 Reaper • Harpy • Nagastra-1 • DRDO Aura 	<ul style="list-style-type: none"> • A combat-capable surveillance drone with 30 hours of endurance and a range of 7,400 km. It is equipped with precision-guided munitions. • An armed reconnaissance drone developed in India with 12 hours of flight time and a range of 200 km. It can carry Helina missiles and rockets. • A high-endurance precision drone with a flight time of 27 hours and a range of 1,850 km. It carries bombs and air-to-surface missiles. • A loitering munition designed for suppression of enemy air defences with 6 hours of endurance and a range of 500 km. • A suicide drone designed for precision strikes with a 60-minute flight time and a 30 km range, carrying an explosive payload. • A stealth unmanned combat aerial vehicle currently under development with 5 to 6 hours of endurance and a range of 3,000 km. It features an internal weapons bay.

NON-WEAPON DRONES



DRONE NAME	FEATURES
<ul style="list-style-type: none">• Heron	<ul style="list-style-type: none">• A long-endurance surveillance drone capable of flying for 52 hours with a maximum range of 3,000 km. It is used mainly for intelligence gathering
<ul style="list-style-type: none">• Switch	<ul style="list-style-type: none">• A tactical surveillance drone designed for high-altitude missions with a 2-hour flight time and a 15 km operational range.
<ul style="list-style-type: none">• Black Hornet	<ul style="list-style-type: none">• A micro surveillance drone used for close-range observation. It flies for 25 minutes and covers a distance of up to 2 km.
<ul style="list-style-type: none">• Trinetra	<ul style="list-style-type: none">• A tactical reconnaissance drone designed for battlefield surveillance with a flight time between 10 to 12 hours and a range of 150 km.
<ul style="list-style-type: none">• Netra	<ul style="list-style-type: none">• A short-range drone used for urban surveillance and disaster response missions. It can fly for 30 minutes with a range of 2.5 km.

A photograph of a beach with numerous discarded plastic water bottles scattered across the sand. The sky is overcast with heavy, grey clouds. The text "India's first E-Waste Recycling Eco Park" is overlaid in white, centered on the image.

India's first E-Waste Recycling Eco Park

- **Delhi has announced the establishment of India's first E-Waste Recycling Eco Park in Holambi Kalan to tackle the capital's electronic waste and promote circular economy.**

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Operating Model: Based on the DBFOT (Design, Build, Finance, Operate, Transfer) model under Public-Private Partnership (PPP).

- Global tender to be floated by **Delhi State Industrial and Infrastructure Development Corporation (DSIIDC)**.

Concession period: 15 years.

Word of the day

Unctuous:

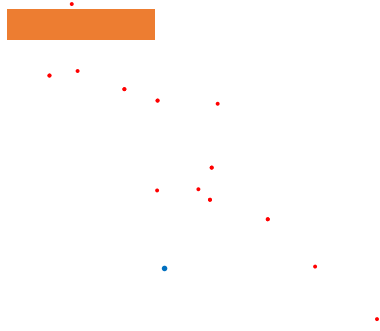
unpleasantly and excessively suave or ingratiating in manner or speech

Synonyms: buttery, fulsome, oily, smarmy, soapy

Usage: *He seemed anxious to make an impact but not in an unctuous way.*

Pronunciation: [newsth.live/unctuouspro](https://www.newsth.live/unctuouspro)

International Phonetic Alphabet: /ˈʌŋ(k)ʃʊəs/, /-tʃʊəs/



Thank you
guys.

