



**VAJIRAM & RAVI**  
Institute for IAS Examination

# The Analyst

**CURRENT AFFAIRS Handout**

**15th March 2026**



# LPG Crunch Leaves the Kitchen Cold



**CONTEXT:** The article highlights the recent Liquefied Petroleum Gas (LPG) crunch faced by India and various pragmatic measures which has been taken so far

## Mains Heading 1 : LPG : Backbone of Clean Domestic Energy in India :

41% in India still rely on biomass for cooking, emitting 340 million tonnes of CO2 annually, says report

### Fact - Sheet for LPG :

#### What is LPG?

Mixture of hydrocarbon gases : **Propane** (C<sub>3</sub>H<sub>8</sub>) and **Butane** (C<sub>4</sub>H<sub>10</sub>) & used as a fuel for cooking & industrial purposes

Colourless & Odorless in Natural form

Use of **Ethyl Mercaptan**

Process : **Petroleum Refining** & extraction from Natural Gas

High Calorific value & cleaner fuel

Less **Sulfur emission**

#### Use of "Solid cooking fuel"

- **ACCESS Survey 2014-15** : 750 millions + Indians
- **World Air Quality Report 2024** : **3rd Worst Air Quality** / 134 countries
- **PM 2.5 air quality** : **"Severe" category** at >3000 stations

## Mains Heading 2 : GOI : Catalyst for Inclusive Energy Access :

### Ujjwala Yojana 2016 :

Target **BPL households** through SECC 2011

**₹1600** for each LPG connection covering security deposit, pressure regulator & installation charges

Subsidy of **₹300 per LPG cylinder** upto 12 refills every year

Replacing firewood, coal & cow-dung cakes with LPG to **reduce indoor air pollution**

**IRES Survey** : Share of Indian Households using LPG as "Primary fuel": 2011 - 33% to 2022 - **84%**

### Latest Achievements :

**17 crore + LPG consumers** added in last 9 years

**Additional 75 Lakh LPG connections** (2024-2026)

**Budgetary Support** : **₹11,925 crore** towards LPG subsidy

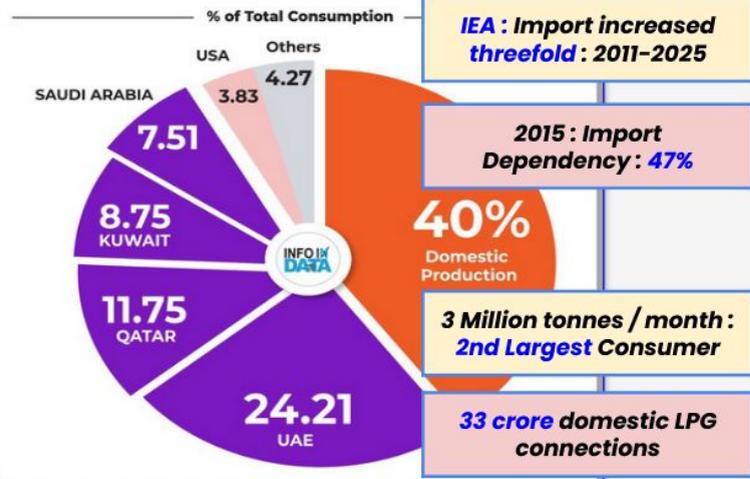


# LPG Crunch Leaves the Kitchen Cold

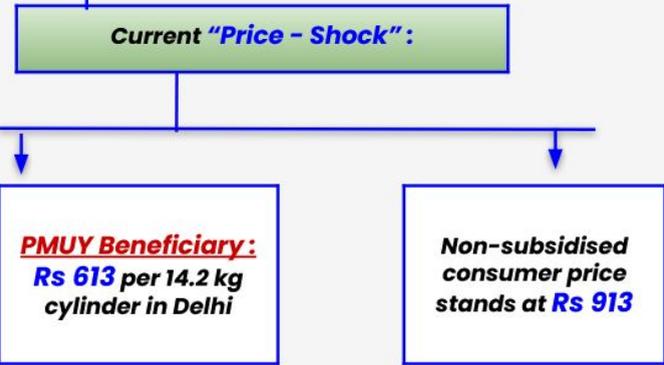
**CONTEXT:** The article highlights the recent Liquefied Petroleum Gas (LPG) crunch faced by India and various pragmatic measures which has been taken so far

## Mains Heading 3 : India's Import Dependency for LPG?

**India's LPG Supply Profile**  
 India produces about 40% of its LPG needs domestically. This domestic capacity offers a cushion and scope to diversify supplies, allowing India to rely on internal production even if shipments transiting the Strait of Hormuz face disruption amid tensions in West Asia.



India's LPG imports account for around 60 percent of domestic consumption, and about 90 percent of those imports normally move through Hormuz.



## Mains Heading 4 : Causes for such High Import dependency?

**MoPNG in Demand for Grants in 2025 : "No plans for constructing additional caverns, besides the two"**



### Issue 2 : Shortcomings in Storage Infrastructure :

- Visakhapatnam :** Storage cavern lies 162 to 196 metre below ground level in Precambrian gneiss
- Mangaluru :** Host rock is granitic gneiss with the floor at 141 metre below mean sea level
- Deccan Traps :** Engineers India Limited designing new LPG facility on the west coast has encountered difficulties

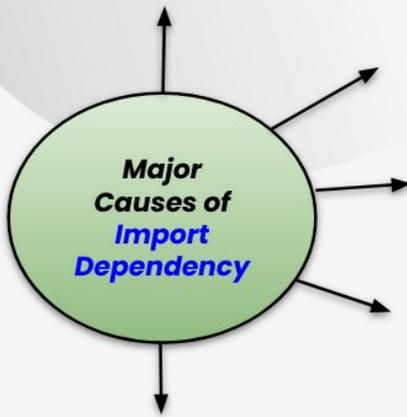


# LPG Crunch Leaves the Kitchen Cold

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## Mains Heading 4 : Causes for such High Import dependency?

**Importance of "Strait of Hormuz" :**  
India source **60% imports** from Gulf Countries



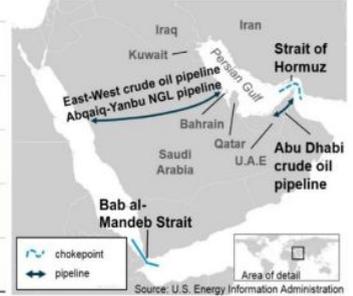
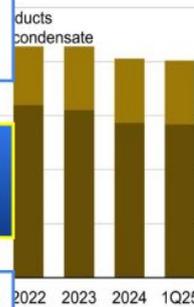
**Logic of Logistics :**  
**US Cargoes v. Persian Gulf Cargoes**

**Issue of Economic Margins :**  
Indian refineries are optimised to produce high-value fuels

**Over - Reliance on Traditional Cooking methods :** Only **5% of households** had "electric penetration"

Figure 1: Oil Trade through the Strait of Hormuz

Volume of petroleum transported through the Strait of Hormuz million barrels per day



Case of "Panic Buying"

## Mains Heading 5 : Impact of LPG Crunch on Indian Economy :

Impact on Economic Growth :

Marginal Propensity to Consume for Non - Essential goods will decline

Higher imports worsen the Current Account Deficit (CAD) & BOP Crisis

Higher payment in Foreign currency = Outflow of Foreign exchange = Depreciation of ₹

Issue of Imported Inflation

### Fuel crisis: Andhra Pradesh hoteliers advised to trim menus, cut operating hours

A.P. Finance Minister Payyavula Keshav on Friday (March 13, 2026) suggested that hoteliers in the State consider adopting rotational operations in view of the ongoing cooking gas scarcity triggered by unrest in the Middle East. He proposed a system of alternate day operations, under which different sets of hotels could keep their establishments open on different days.



# LPG Crunch Leaves the Kitchen Cold



**CONTEXT:** The article highlights the recent Liquefied Petroleum Gas (LPG) crunch faced by India and various pragmatic measures which has been taken so far

## Mains Heading 6 : Steps Taken :

### Pragmatic Steps taken by GOI so far :

Promotion of **"Alternative Fuel"** : 48,000 kilolitre of additional Kerosene allocated to States

MoPNG : ORCs shall direct all **propane & butane** Produced or recovered for LPG production

**Essential Commodities Act 1955 :**  
Mandate all Oil Refineries to maximise LPG production

Prevention of **Artificial Scarcity** :  
Mandatory gap b/w domestic bookings increased from 21 days to **25 days**

**Delivery Authentication Code (DAC)** to 90% consumers : Prevent illegal diversion to commercial markets

## • WHO GETS WHAT

### PRIORITY 1

Education institutes, Railways, hospitals, airports  
Requirement cap 11%  
Daily cylinder consumption 200  
# Priority 1 sectors will get more cylinders if required

### PRIORITY 2

Govt/PSU institutions, depts and canteens operating in their premises  
Requirement cap 13%  
Daily cylinder consumption 236

### PRIORITY 3

Restaurants and eateries  
Requirement cap 42%  
Daily cylinder consumption 762

### PRIORITY 4

Hotels, hospitality units, guest-houses  
Requirement cap 4%  
Daily cylinder consumption 72

The daily quota will be divided among

58% 27% 15%  
IOC BPCL HPCL



### PRIORITY 5

Dairies, bakeries, sweet shops  
Requirement cap 11%  
Daily cylinder consumption 200

### PRIORITY 6

Caterers and banquet halls  
Requirement cap 9%  
Daily cylinder consumption 162

### PRIORITY 7

Dry cleaning, packaging and pharmaceutical units  
Requirement cap 1%  
Daily cylinder consumption 18

### PRIORITY 8

Sports facilities, stadiums and others  
Requirement cap 8%  
Daily cylinder consumption 150

### PRIORITY 2 TO 8

Will get LPG cylinders on First-In-First-Out basis

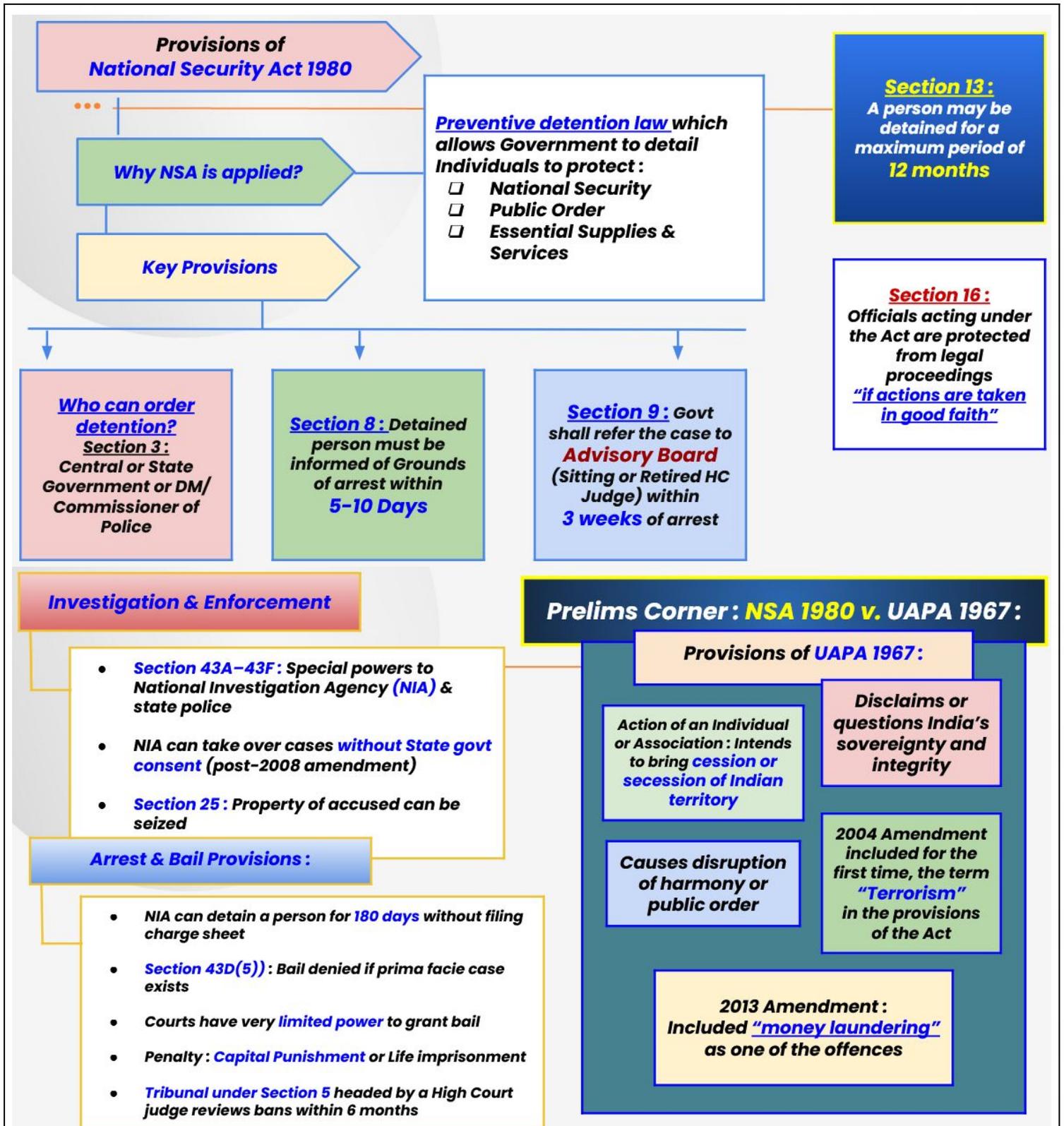
## Mains Practise Question

**Practise Question :** "India periodically faces supply disruptions and price volatility in Liquefied Petroleum Gas (LPG)." In this context, Discuss the **various causes** behind the recent LPG crunch in India. Suggest **suitable policy measures** to enhance LPG supply security."  
(10 Marks, 150 words)



# NSA against Sonam Wangchuk revoked

**CONTEXT:** The article provides insight into the issues being faced by people of Ladakh that has led to protests & violence in the Union Territory amidst demand of the 6th Schedule status for the UT



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**CONTEXT:** The article provides insight into the issues being faced by people of Ladakh that has led to protests & violence in the Union Territory amidst demand of the 6th Schedule status for the UT

## Mains Heading 1: Why there lies Demand for 6th Schedule in Ladakh?

### Issues highlighted by Article :

#### What happened on 24th September?

Protest which began as Hunger Strike by environmentalist Sonam Wangchuk at Martyr's ground in Leh spun out of control leading to violence

Youth frustrated with lack of jobs

SSC in 2022: 700 jobs actually announced v. 12,000 promised

ABL & KDA : Demand of "Statehood" for Ladakh

Inclusion in 6th schedule

Establish LSC & 2 Parliamentary seats : Leh & Kargil

### LADAKH PROTESTS: A TIMELINE

**August 5, 2019:** Ladakh becomes UT

**December 2019:** Ladakh Students' Environmental Action Forum (LEAF), a joint student initiative, holds protests in Leh demanding Sixth Schedule

**2020:** Apex Body Leh (ABL) is formed to steer People's Movement for Sixth Schedule; Kargil Democratic Alliance (KDA) joins in

**2020:** ABL gives a call to boycott Ladakh Autonomous Hill Development Council (LAHDC) polls. Its team is flown to Delhi, boycott withdrawn on Centre's assurances

**2020:** Wangchuk joins agitation, provides outside support to ABL

**October, 2020:** BJP includes Sixth Schedule in its LAHDC poll manifesto

**January, 2021:** MHA announces high-powered committee to discuss Ladakh issues, but its constitution is delayed

**January 2023:** HPC finally constituted, structured talks begin

**March 2024:** Wangchuk sits on a 21-day fast in sub zero temperatures in Ladakh

**May 2025:** Centre, ABL reach an agreement; govt notifies domicile policy for Ladakh, reserves 85% jobs for locals

**July 2025:** Wangchuk joins ABL, chairman Thupstan Chhewang resigns, Delhi stalls talks

**September 2025:** Wangchuk decides not be on the talks table with Delhi, Chhewang returns as ABL chair

**September 10, 2025:** Wangchuk begins hunger strike in Leh

**September 20, 2025:** MHA announces next date of talks as October 6

**September, 24, 2025:** Youth at Wangchuk's protest engage in violence, four killed in police firing

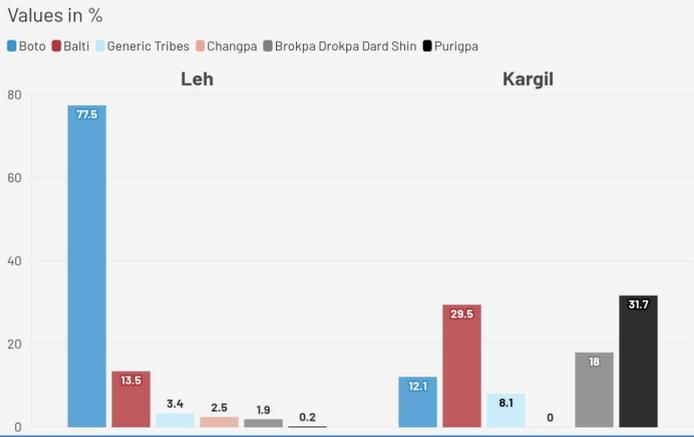


# NSA against Sonam Wangchuk revoked

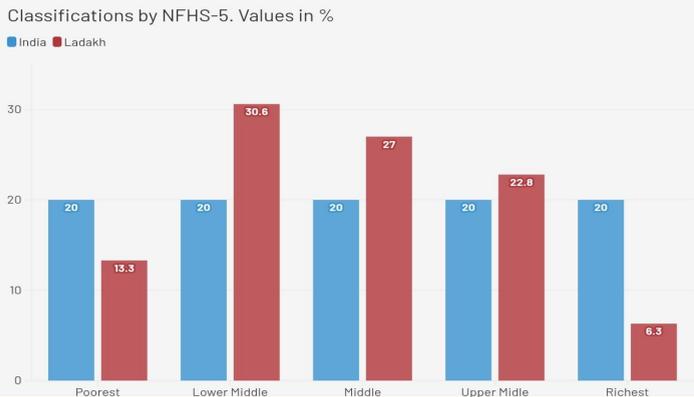


**CONTEXT:** The article provides insight into the issues being faced by people of Ladakh that has led to protests & violence in the Union Territory amidst demand of the 6th Schedule status for the UT

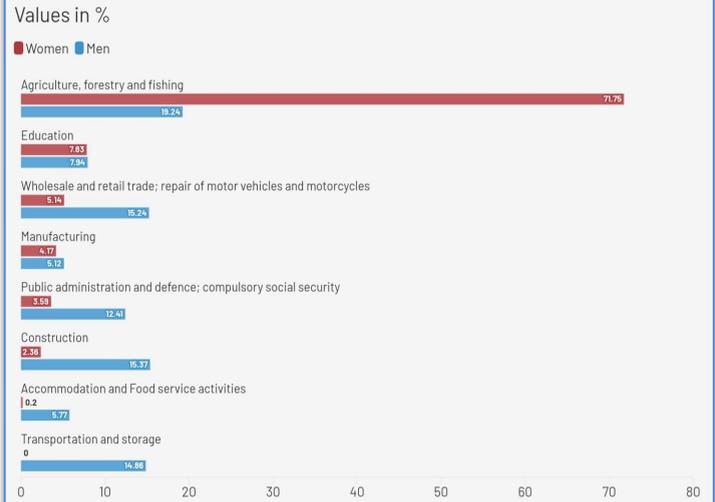
The composition of the tribal population in Leh and Kargil districts in Ladakh



Ladakh's population in wealth quintiles



Gender-wise share of people employed in various sectors



Source: National Family Health Survey, 2011 Census, NITI Ayog SDG indicators

Indicator	India	Ladakh
Adjusted Net Enrolment Rate (ANER) in elementary education (class 1-8) (%)	96.5	67.8
Gross Enrolment Ratio (GER) in higher secondary (class 11-12) (%)	57.6	49.4
Gross Enrolment Ratio (GER) in higher education (18-23 years)	28.4	11.5
Share of men aged 6 and over with no schooling (%)	13.5	19.1
Share of women aged 6 and over with no schooling (%)	28.2	32.1

## Mains Heading 2: What 6th Schedule Offers to People of Ladakh?

### "Democratic Devolution of Power"

#### Article 244 (2) of the Constitution

Provisions	Power of ADCs
<ul style="list-style-type: none"> <li>Article 244 (2) &amp; Article 275 (1)</li> <li>Currently 4 states : <b>ATM 2</b></li> <li>Creation of <b>Autonomous District Councils (ADCs)</b></li> <li><b>Administrative Regional Councils (ARCs)</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Executive, Legislative &amp; Judicial powers</b></li> <li><b>Councils = 26 elected + 4 Nominated members</b></li> <li><b>Term = 5 years</b></li> <li><b>"Pleasure of Governor"</b></li> </ul>

- **Power to make "Laws"**
- **Preservation of Cultural Practices & Languages**
- **Village councils or Courts**
- **Grant in Aids by FC**
- **Imposition & Collection of Taxes**
- **Licensing for extracting minerals**



# NSA against Sonam Wangchuk revoked



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## Mains Heading 3 : Steps by GOI :

### Ladakh CS Decentralisation & Recruitment Regulation 2025

- **Domicile requirement** for recruitment in Government jobs
- Lived for **15 years + Studied for 7 years**
- Appeared in Class **10th or 12th examination**
- Children of Central Govt's employee = **Served for 10 years**

### AHDC Regulation 2025

- Amended LAHDC Act 1997
- **1 / 3rd seats** reserved for women of Leh & Kargil

### Reservation for Jobs Regulation 2025

- **85% reservation** = SC + ST + OBC + Educationally Backward
- Earlier **50%**
- **10% reservation** for EWS
- Reservation in **Jobs, Engineering & Medical colleges**

### Official Language Regulation 2025

- **English + Hindi + Urdu + Bhoti + Purgi = Official language**
- **Institutional support** for promoting Shina, Brokskat, Balti & Ladakhi

## Mains Heading 3 : Steps by GOI :

### Issues that Persists :

**Lack of Constitutional Protection :**  
Article 240 : President can make regulations For Union Territories

**Executive decisions :** Amended or withdrawn By Centre anytime unlike 6th Schedule guarantee

No restrictions on **Land ownership** by Non-Domiciles : **Climate vulnerability**

**No local council** with law making power

**No cultural protection roadmap :** No provision for use of local languages in administration

### Mains Practise Question

What is the 6th schedule of the Constitution? What are the **advantages and disadvantages** of bringing the UT of Ladakh into the 6th schedule? What are the **recent steps** taken by the Government of India?  
**10 Marks, 150 words**



**SYLLABUS: Prelims:** Current events of National & International importance  
**Newspaper :** The Hindu, **Page No :** Science

## HALEU-Th fuel for Indian reactors

### Context of News :

**A** January report in the journal *Current Science* by scientists at the Bhabha Atomic Research Centre (BARC) has turned radioactive, with one of India's leading nuclear scientists characterising its conclusions as "misleading". The study compared the relative merits of different mixes of uranium fit for nuclear power and concluded that one option, called HALEU-thorium, was "unsuitable" for India's current fleet of reactors.

Fissile Nuclear Fuel	Fertile Nuclear Fuel
Fissile isotopes can be directly used as fuel	Needs to be converted into fissile fuel
U- 233, 235 & Pu - 239	U - 238 & Th - 232
<b>Jharkhand</b>	<ul style="list-style-type: none"> <li>Jaduguda (Singhbhum)</li> <li>Narwapahar</li> <li>Turamdih &amp; Bagjata</li> </ul>
<b>Andhra Pradesh</b>	<ul style="list-style-type: none"> <li>Tummalapalle</li> <li>Lambapur - Peddagattu</li> </ul>
<b>Telangana</b>	<ul style="list-style-type: none"> <li>Lambapur</li> <li>Peddagattu</li> </ul>
<b>Rajasthan</b>	<ul style="list-style-type: none"> <li>Rohil Mine in Sikar district</li> </ul>
<b>Meghalaya</b>	<ul style="list-style-type: none"> <li>Domiasiat</li> <li>Wakhyn</li> </ul>

## HALEU-Th fuel for Indian reactors

Pressurised Heavy Water Reactor (PHWR)	Fast Breeder Reactor (FBR)	Advance Heavy Water Reactor (AHWR)
<ul style="list-style-type: none"> <li>Fuel: <b>Natural Uranium</b> (7 kg of U- 235 &amp; 993 kg of U- 238)</li> <li><b>Nuclear fission reaction</b></li> <li><b>Heavy Water (D2O):</b> Used as both moderator &amp; coolant</li> <li><b>22 Nuclear reactors</b> works upon PHWR</li> <li>U-238 absorbs Neutron : Transforms into <b>Pu- 239</b> (spent fuel)</li> </ul>	<ul style="list-style-type: none"> <li>Fuel: <b>Uranium - 238 &amp; Pu - 239</b></li> <li>Blanket of U-238 over fissile fuel core</li> <li>"Fertile" U-238 : Absorb neutron &amp; convert into Pu - 239</li> <li><b>Self sustaining chain reaction</b></li> <li>Coolant: <b>Liquid Sodium</b></li> </ul>	<ul style="list-style-type: none"> <li>Use of <b>Thorium - 232</b> to produce Uranium - 233</li> <li>U - 233 is a fissile material</li> <li>Undergoes Nuclear fission to create self sustaining chain reaction</li> <li>Coolant: <b>Light Water (H2O)</b></li> </ul>



# HALEU-Th fuel for Indian reactors



**SYLLABUS: Prelims:** Current events of National & International importance  
**Newspaper :** The Hindu, **Page No :** Science

## HALEU-Th fuel for Indian reactors

### Thorium Reserves in India

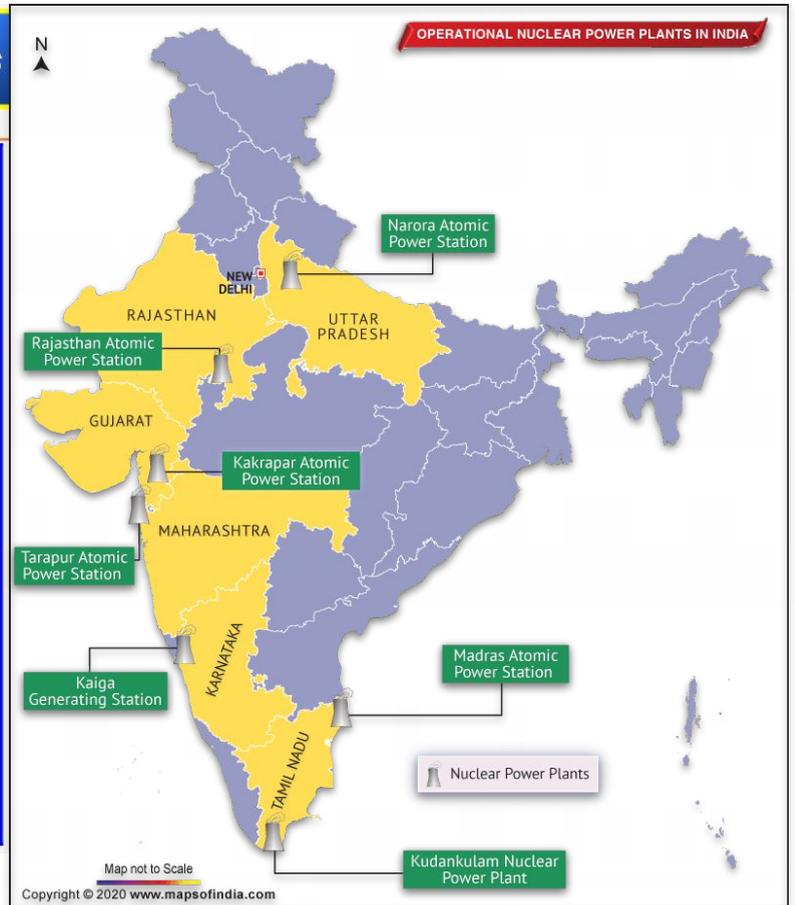
**"Placer deposits"** along streams, rivers, beaches etc

Extracted from **Monazite Ore**: Rare Earth Phosphate mineral

Naturally in coastal districts: Tirunelveli, Thoothukudi & Kanyakumari

Coasts of Kerala, TN, Odisha & Andhra Pradesh

**Indian Rare Earth Limited (IREL)** under DoAE: **ONLY** authority to mine & produce Monazite in India



## HALEU-Th fuel for Indian reactors

### Fuel combinations for PHWR :

<b>Natural</b>	<ul style="list-style-type: none"> <li>7 kg of Uranium - 235</li> <li>993 Kg of Uranium - 238</li> </ul>
<b>HALEU - Th</b>	<ul style="list-style-type: none"> <li>32 Kg of U-235</li> <li>129 kg of U- 239</li> <li>839 kg of Thorium</li> </ul>
<b>Enriched Uranium</b>	<ul style="list-style-type: none"> <li>11 Kg of U - 235</li> <li>989 Kg of U-238</li> </ul>



# HALEU-Th fuel for Indian reactors



**SYLLABUS: Prelims:** Current events of National & International importance  
**Newspaper :** The Hindu, **Page No :** Science

## Critic of HALEU - Th

- Yielded **highest burn up of 50 gigawatt-days per tonne**
- Generated **least amount of "Spent fuel"**
- Renders "Shut down" Rods **26% less effective**
- **Significant change required in India's reactors designs**
- **India's Target : 100 GW of Nuclear energy by 2047**

- A study by BARC scientists concluded that the HALEU-Th fuel is unsuitable for India's current fleet of nuclear power reactors
- Leading scientists and a private firm with stake in the fuel's suitability have argued that the study contains technical flaws
- The BARC team reported that the fuel could significantly reduce the effectiveness of shutdown rods in existing pressurised heavy water reactors
- Anil Kakodkar advocated for testing HALEU-Th fuel to help India meet its ambitious nuclear energy goals
- Critics have expressed concerns that the new fuel might distract from India's three-stage nuclear power programme



15th March 2026

**SYLLABUS: Prelims:** Economic & Social Development  
**Newspaper :** The Hindu, **Page No : 10**

## Fertiliser shocks for Kharif

### Context of News :

**W**ith kharif season set to begin by month-end, the Parliamentary Standing Committee on Fertilisers headed by Trinamool Congress MP Azad Kirti Jha, has warned of an acute shortage of essential fertilizers.

Citing the ongoing geopolitical tensions in West Asia and consequent pressure on international shipping routes, the panel, in a report tabled in Parliament on Friday, underlined the need for a “proactive and forward-looking strategy” to safeguard India’s fertilizer supply chain.

Sowing : June – July  
 Harvesting : September – October

**Warm & Humid Climate :**  
 25 – 35 degree celsius

**Dependence on Monsoon :**  
 Moderate to Heavy Rainfall (50-200 cm)

**Water Intensive crops :**  
 Waterlogged conditions required

Thrives in **Tropical Monsoon climates**

### Traits of Kharif Crop

**India :** Black (regur), Red - Laterite, Loamy & Alluvial soil

## Fertiliser shocks for Kharif

Crops	India's Rank	Key Producing States
Rice	1st	West Bengal > UP > Punjab
Pearl Millet (Bajra)	1st	Rajasthan > Haryana > Gujarat
Finger Millet (Ragi)	1st	Karnataka > TN > Uttarakhand
Cotton	1st	Gujarat > Maharashtra > Telangana
Jute	1st	West Bengal > Assam > Bihar
Groundnut	2nd	Gujarat > Rajasthan > TN
Soybean	5th	MP > Maharashtra > Rajasthan
Tea	2nd	Assam > WB > TN

### Kharif Crops covered under MSP

<b>Cereals</b>	Paddy, Jowar, Bajra & Maize
<b>Pulses</b>	Tur (Arhar), Moong & Urad
<b>Oilseeds</b>	Groundnut, Soybean, Sesamum & Sunflower
<b>Commercial</b>	Cotton



**SYLLABUS: Prelims: Economic & Social Development**  
**Newspaper : The Hindu, Page No : 10**

## Fertiliser shocks for Kharif

### Nutrient Based Subsidy Scheme:

It includes:

- Di - Ammonium Phosphate (DOP)
- Muriate of Potash (MOP)

Per tonne subsidy to manufacturers & importers

- N - Nitrogen
- P - Phosphorus
- K - Potassium
- S - Sulphur

Informal Control Regime

### What about Urea?

- Most produced, used and imported fertiliser
- **Urea Subsidy** = Cost of Production / Import - Actual price paid by farmers
- **Statutory Price** = **Only** controlled fertiliser
- **100% Neam Coated Urea** = Mandatory for all domestic producer

### Parliamentary Standing Committee on Fertilisers

2025-26 : Domestic production of Urea : 306 LMT  
 v. Import of **85 LMT**

GOI : Import share of Urea decreased from 28.5%  
 In 2021 to **15.5%** in 2025

Subsidy outgo : Domestic Urea : ₹91,000 crore  
 V. Imported Urea : ₹32,000 crore

**Import Dependency** : 90% rock phosphate +  
 100% Potash & limited availability for Sulphur

Geopolitical disruptions + Global commodity price  
 volatility + Foreign exchange risks

### Steps taken by GOI

Paramparagat  
 Krishi Vikas  
 Yojana

Soil Health Card  
 Scheme

Neam Coated  
 Urea Scheme &  
 Nano Urea



# "Tiger deaths" in country

**SYLLABUS: Prelims:** Important Flora & Fauna  
**Newspaper :** The Hindu, **Page No : 9**

## "Tiger deaths" in country

### Context of News :

Of the 166 tiger deaths recorded in the country last year, 41 occurred in Maharashtra, the State government informed the Legislative Council during the ongoing Budget session.

Forest Minister Ganesh Naik said the State recorded 41 tiger deaths in 2025, according to data from the National Tiger Conservation Authority (NTCA). He was responding to queries from members regarding recent tiger deaths reported from the Pench Tiger Reserve in Nagpur district.

### Tigers in India :

- Bengal Tiger :** National Animal of India
- IUCN Status :** Endangered
- CITES :** Appendix 1
- Project Tiger Launched in 1973**
- WPA 1972 :** Schedule 1
- Diverse Habitats :** Tropical forests, Grasslands & Mangrove swamps

### Fact sheet For Prelims 2026

- 1973 : 9 Reserves & 1827 Tigers
- 2023 : 55 Tiger reserves & 3600+ tigers
- India is home to 75% of Tiger population in world
- NTCA created under WPA 1972
- NTCA is chaired by Minister of Environment

## Decoding the key tiger report

The upper limit of the tiger population is now estimated to be 3,925 and the average number is 3,682

**Big cat numbers in the country**  
 2,967 (2018) | 3,682 (2022)

**States with highest tiger numbers**

State	2018	2022
Madhya Pradesh	526	785
Karnataka	524	563
Uttarakhand	442	560
Maharashtra	312	444
Tamil Nadu	264	306

**States with lowest tiger numbers**

State	2018	2022
Nagaland	0	0
Mizoram	0	0
Goa	3	5
Arunachal	29	9

**Reserves with highest tiger population**

Reserve	2018	2022
1 Jim Corbett, Uttarakhand	231	260
2 Bandipur, Karnataka	126	150
3 Nagarhole, Karnataka	127	141
4 Bandhavgarh, MP	104	135
5 Dudhwa, Uttar Pradesh	82	135
6 Mudumalai, Tamil Nadu	103	114
7 Kaziranga, Assam	104	104
8 Kanha, MP	88	105
9 Sunderban, West Bengal	88	100

**Reserves with no tigers**  
 Dampa, Mizoram, Kamlang, Arunachal Pradesh, Kawal, Telangana, Satkosia, Odisha, Sahyadri, Maharashtra

# The Sage who reimagined Hinduism



**SYLLABUS: Prelims:** Important personalities in News  
**Newspaper :** The Indian Express, **Page No :** Books

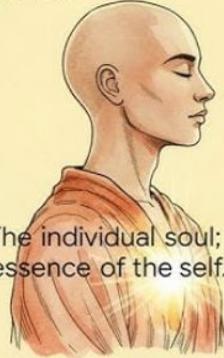
## The Sage who reimagined Hinduism

### Context of News :

Where does Sree Narayana Guru himself fit into all this? He was no *savarna* reformer but an *avarna* organic intellectual. He maintained a focus on upward mobility through modern education and did not champion Sanskritisation to the extent of other reformers. But his great significance for Tharoor lies on a more philosophical level: Reimagining Hinduism. Tharoor's core interest is in the Guru *qua* guru — his reinterpretation of Vedantic thought to provide an intellectual foundation for change on the ground. Social reform is located within religious transformation. Thus, for Tharoor, the Guru saved Hinduism in Kerala from itself by creating a version that was inclusive of and palatable to all, stemming the tide of conversion. Therefore the book, aiming to

### Advaita Poem : Daiva Dasakam

#### Atman



The individual soul; the essence of the self.

#### Brahman



The ultimate reality; the universal essence of all existence.

## The Sage who reimagined Hinduism

**Aruvippuram Movement**

**Economic inequality & caste discrimination against Ezhavas**

**Guru Ghasidas established Satnami Sect in Chattisgarh & created Pillar of Truth : Satya Stambha**

**On the 1925 dialogue between Mahatma Gandhi and Sree Narayana Guru**



**Shree Narayana Dharma Paripalana Yogam (SNDP) by Padmanabhan Palpu in 1903**

**Anukampa Dasakam: Krishna, Buddha & Adi Shankara**

**Haridas Thakur : Gaudiya Vaishnavism of Chaitanya Mahaprabhu worked for Matua sect**

**Gandhi's debate in 1925**

**One Caste One Religion & One God for Mankind**



# Atomic Clock on NavIC Satellite calls time

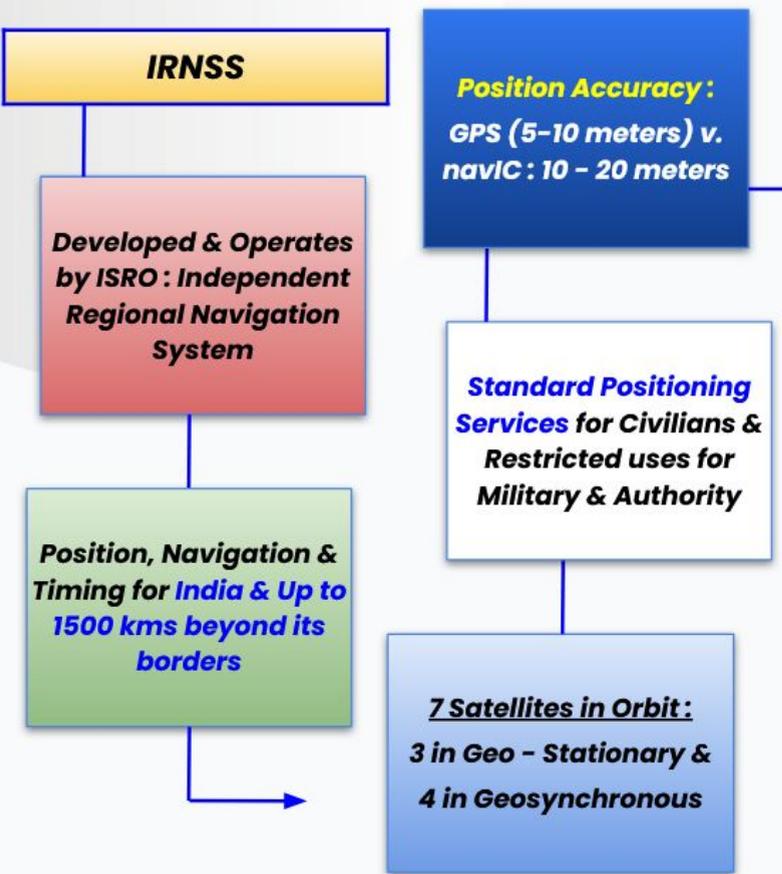
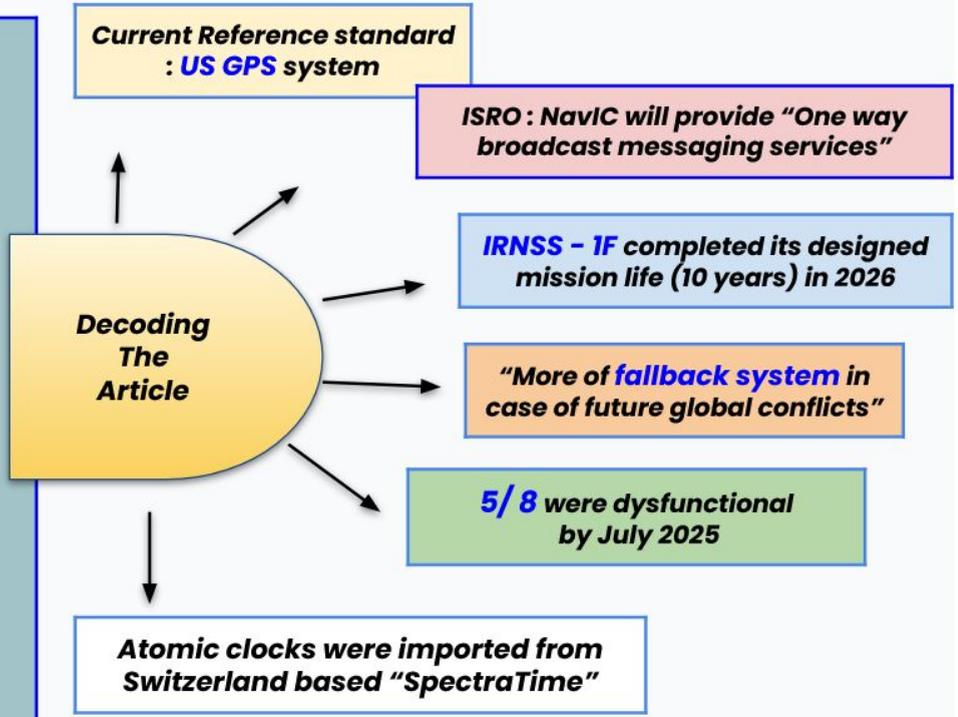


**SYLLABUS: Prelims:** Science & Technology  
**Newspaper :** The Hindu, **Page No : 9**

**Context of News :**

**T**he last atomic clock aboard the Indian Regional Navigation Satellite System (IRNSS)-1F has failed, the Indian Space Research Organisation has said in a statement. This further weakens the country's indigenous "GPS" system, called NavIC.

Atomic clocks are critical to satellites to offer positional, navigational, and timing services. Since the eight satellites in the IRNSS system were launched between 2013 and 2018, the Union government has encouraged Indian enterprises, including manufacturers of computer and electronic goods having timing services, to rely on NavIC for determining the Indian Standard Time.



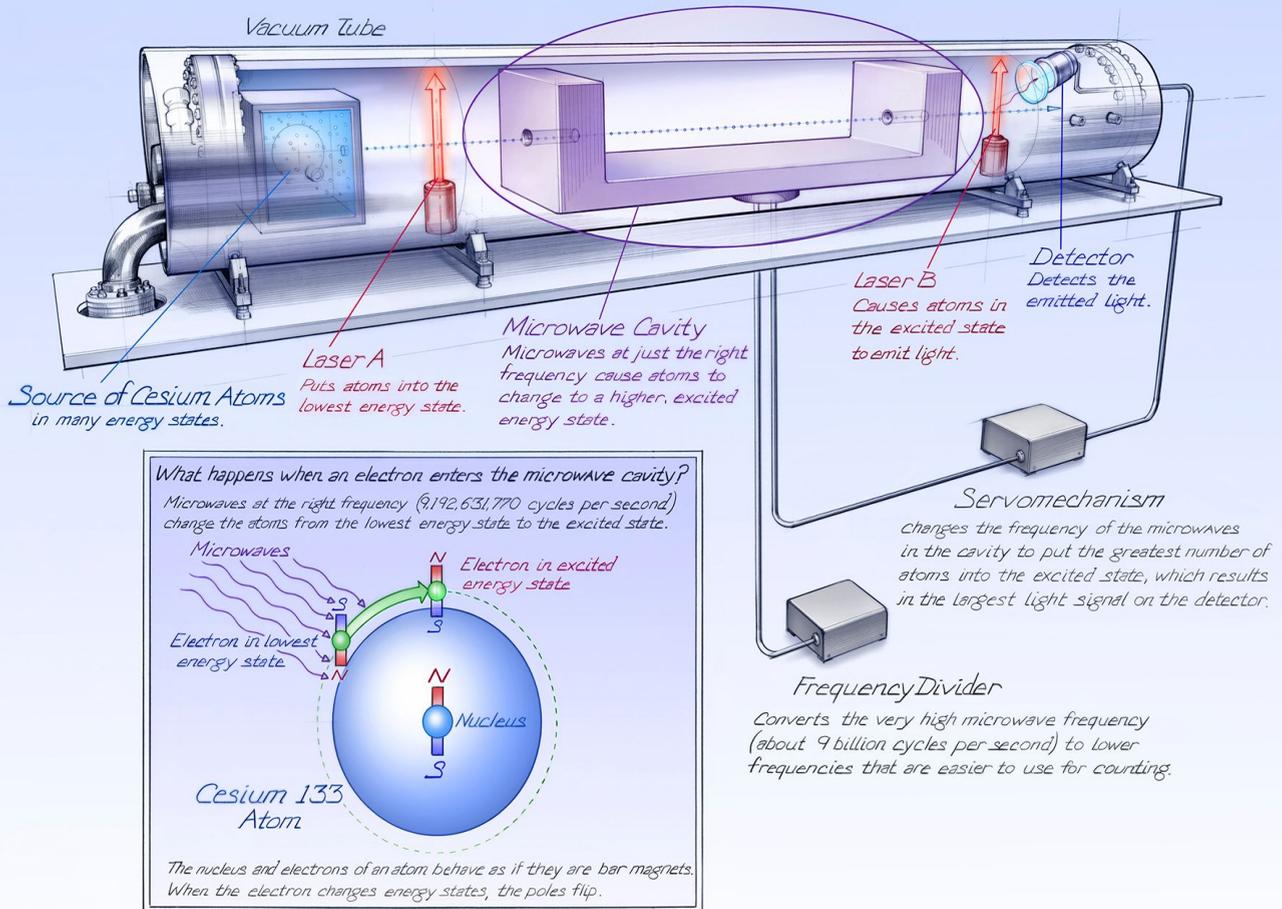
# Atomic Clock on NavIC Satellite calls time



**SYLLABUS: Prelims: Science & Technology**  
**Newspaper : The Hindu, Page No : 9**

## How Does THE NIST-7 ATOMIC CLOCK WORK?

The NIST-7 provided a standard frequency rather than the time of day. To define the length of a second, the instrument measured with exquisite precision the frequency of microwaves absorbed by Cesium 133 atoms.



**Q1. Match the following Uranium Mines with their Locations:**

State	Uranium Mines
1. Jharkhand	A. Jaduguda (Singhbhum), Narwapahar, Turamdih
2. Andhra Pradesh	B. Tummalapalle
3. Meghalaya	C. Domiasiat, Wakhyn

**Which of the following pairs are correctly matched?**

- 1-A; 2-B; 3-C
- 1-B; 2-A; 3-C
- 1-C; 2-B; 3-A
- 1-B; 2-C; 3-A

**Answer: a**

**Q2. Match the following Crops with their Major Producing States:**

Crop	Key Producing States
1. Rice	A. West Bengal > Uttar Pradesh > Punjab
2. Pearl Millet (Bajra)	B. Rajasthan > Haryana > Gujarat
3. Cotton	C. Gujarat > Maharashtra > Telangana
4. Jute	D. West Bengal > Assam > Bihar

**Select the correct match:**

- 1-B, 2-A, 3-C, 4-D
- 1-A, 2-B, 3-C, 4-D
- 1-A, 2-C, 3-B, 4-D
- 1-D, 2-B, 3-C, 4-A

**Answer: b**

**Q3. With reference to Tiger conservation, consider the following statements:**

- The tiger is listed as Endangered in the IUCN Red List.
- It is included in Appendix I of the Convention on International Trade in Endangered Species (CITES).

3. Under the Wildlife (Protection) Act, 1972, the tiger is listed in Schedule I.

4. India is home to about 90% of the global tiger population.

**How many of the statements given above is/are correct?**

- Only One
- Only Two
- Only Three
- All Four

**Answer: c**

**Q4. With reference to the social reformer Sree Narayan Guru, consider the following statements:**

- He was an avarna organic intellectual rather than a savarna reformer.
- He emphasized upward social mobility through modern education.
- He strongly promoted Sanskritisation as the primary means of social reform.

**Which of the statements given above are correct?**

- 1 and 2 only
- 1 and 3 only
- 2 and 3 only
- 1, 2 and 3

**Answer: a**

**Q5. With reference to the Indian Regional Navigation Satellite System (IRNSS), consider the following statements:**

- It is an independent regional navigation system developed and operated by ISRO.
- It provides Position, Navigation and Timing services for India and up to about 1500 km beyond its borders.
- The system consists of seven satellites, including three in geostationary orbit and four in geosynchronous orbit.

**Which of the statements given above are correct?**

- 1 and 2 only
- 1 and 3 only
- 2 and 3 only
- 1, 2 and 3

**Answer: d**





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