



27.09.2021 Monday



<http://www.sriramsias.com>

Current Affairs of the Day

Maoist influence down from 96 to 41 districts: Home Ministry

1. The geographical influence of Maoists has contracted to only 41 districts in the country, a sharp reduction from 96 such districts in 10 States in 2010, according to data provided by the Ministry of Home Affairs (MHA).
2. These miscreants have been pushed to a few pockets with only 25 districts accounting for 85% of the LWE (Left Wing Extremism) violence in the country.
3. The Chief Ministers of Jharkhand, Madhya Pradesh, Bihar, Telangana, Maharashtra and Odisha were present, while Chattisgarh, West Bengal and Kerala were represented by Directors-General of Police and Chief Secretaries. Andhra Pradesh was represented by its Home Minister.
4. Addressing the meeting, Jharkhand accused the Centre of slashing the number of LWE-affected districts in the State that could avail ₹33 crores under the Special Central Assistance (SCA) and Security Related Expenditure (SRA) scheme for infrastructure-related projects.
5. Jharkhand said the MHA had raised a bill of ₹10,000 crores against Jharkhand (for the deployment of forces) and requested that the bills be written off and the Government of India take a decision not to send such bills to State governments in the future.
6. As per norms, State governments have to reimburse the amount incurred on deployment of Central Armed Police Forces (CAPF) in a State.

Maoist influence down from 96 to 41 districts: Home Ministry

Shah chairs meeting of CMs, officials of 10 States to review Left Wing Extremism

By ANS

The geographical influence of Maoists has contracted to only 41 districts in the country, a sharp reduction from 96 such districts in 10 States in 2010, according to data provided by the Ministry of Home Affairs (MHA) to Chief Ministers and other officials at a meeting held on Sunday.

“These miscreants have been pushed to a few pockets with only 25 districts accounting for 85% of the LWE (Left Wing Extremism) violence in the country,” the Ministry said in a statement.

Union Home Minister Amit Shah chaired the meeting to review the security



Security checks more rigorous: Amit Shah during a meeting with Chief Ministers in New Delhi on Sunday. While Chattisgarh, West Bengal and Kerala were represented by Directors-General of Police and Chief Secretaries, Andhra Pradesh was represented by its Home Minister.

Addressing the meeting, Jharkhand Chief Minister Nirmal Kumar Singh accused the Centre of slashing the number of LWE-affected districts in the State that could avail ₹33 crores under the Special Central Assistance (SCA) and Security Related Expenditure (SRA) scheme for infrastructure-related projects.

Mr. Singh said the MHA had raised a bill of ₹10,000 crore against Jharkhand for deployment of forces and requested that the bills be written off and the Government of India take a decision not to send such bills to State governments in the future.

Continued on Page 10

CJI backs a 50% quota for women in the judiciary

1. Chief Justice of India N.V. Ramana backed 50% representation for women in the judiciary. It is your right. It is not a matter of charity. Enough of this thousand of years of suppression, Chief Justice Ramana said.
2. The CJI paraphrased Karl Marx to say, “Women of the world, unite! You have nothing to lose but your chains.”

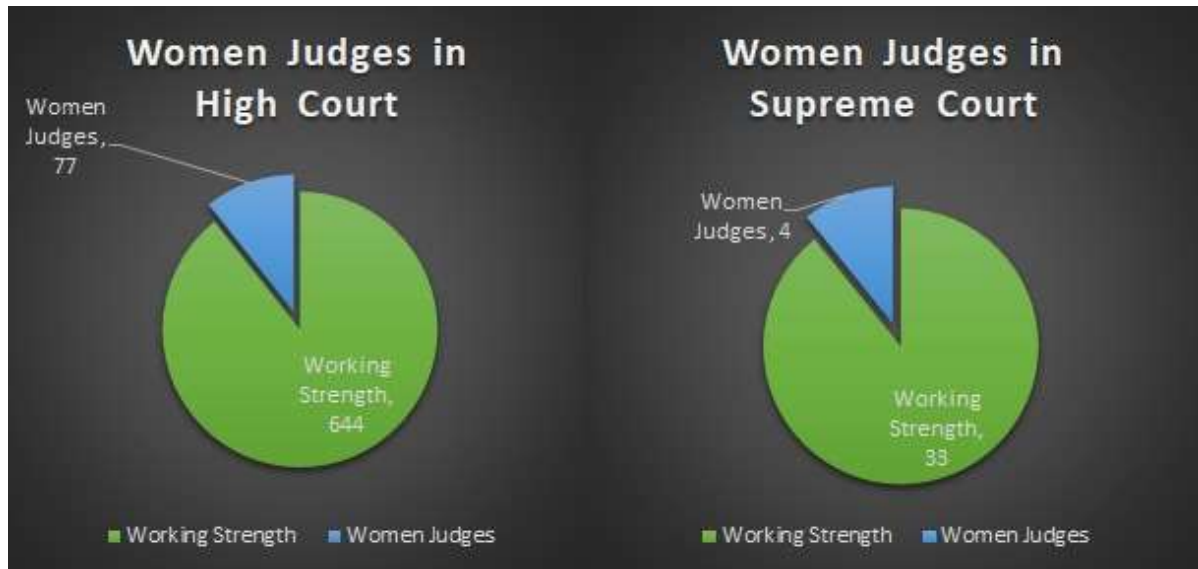


27.09.2021 Monday



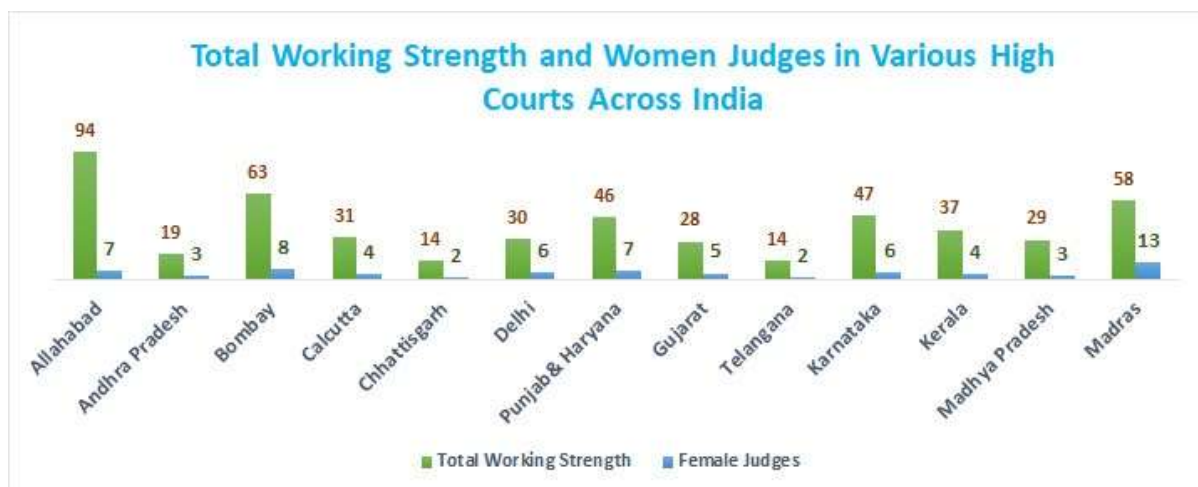
<http://www.sriramsias.com>

3. Speaking to women judges and advocates of the Supreme Court at an event organised to felicitate him and the nine new apex court judges, the CJI said women constituted only about 30% of the subordinate judiciary.



4. In High Courts, women judges constitute 11.5%. Here in the Supreme Court, we currently have four women Justices out of the sitting 33. That makes it just 12%. Of the 1.7 million advocates, only 15% are women.

5. Only 2% of the elected representatives in the State Bar Councils are women. There is no woman member in the Bar Council of India. This needs urgent correction.

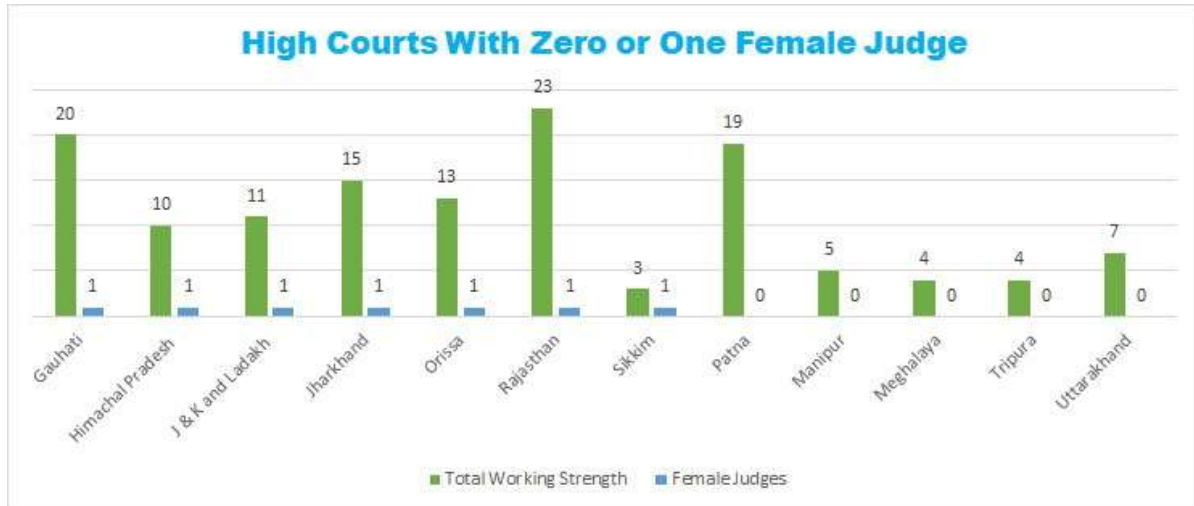




27.09.2021 Monday



<http://www.sriramsias.com>



He highlighted the need to increase gender diversity in legal education. He strongly advocates reservation of a significant percentage of seats in law schools and universities for women, as a first step. Ultimately, the inclusion of women judges and lawyers will substantially improve the quality of justice delivery, the CJI said.

Cyclone Gulab crosses the coast near Kalingapatnam

1. Cyclone Gulab crossed the north Andhra Pradesh and south Odisha coast about 20 km north of Kalingapatnam, triggering widespread rain in the region. Odisha evacuated about 40,000 people in six southern districts ahead of the storm.
2. The storm caused significant damage in eight mandals close to the coast in the Srikakulam district of Andhra Pradesh.

Cyclone Gulab crosses coast near Kalingapatnam

It is likely to weaken into a deep depression, says IMD

SPECIAL CORRESPONDENT
REDDYKESWAR

Cyclone Gulab crossed the north Andhra Pradesh and south Odisha coast about 20 km north of Kalingapatnam on Sunday evening, triggering widespread rain in the region.

"The cyclonic storm, 'Gulab' crossed north Andhra Pradesh-south Odisha coast, about 20 km north of Kalingapatnam with maximum wind speed of 75-85 km per hour between 7:30 pm and 8:30 pm," the India Meteorological Department said in its latest bulletin.

Odisha evacuated about 40,000 people in six southern districts ahead of the storm.

"We have not received reports of any major damage," said Pradeep Kumar Jena, Special Relief Commissioner of Odisha.



Leaden skies: Fishermen bringing back their boat to safety in Visakhapatnam. (K.S. REDDY)

East Coast Railway (ECOR) cancelled 28 trains, diverted five and rescheduled eight. Eleven trains were regulated in the South East Central and South Central Railway jurisdictions.

The storm caused significant damage in eight mandals close to the coast in Srikakulam district of Andhra Pradesh. Hundreds of trees

were uprooted in several mandals. Power supply was affected in many areas in the Tekkali division as electrical poles fell off.

Heavy rain was reported at Sundipota, Rajapuram, Bhavanapadu, Devunulata and other villages when Gulab made landfall.

(With inputs from Visakhapatnam Bureau)



THE HINDU
27.09.2021 Monday



<http://www.sriramsias.com>

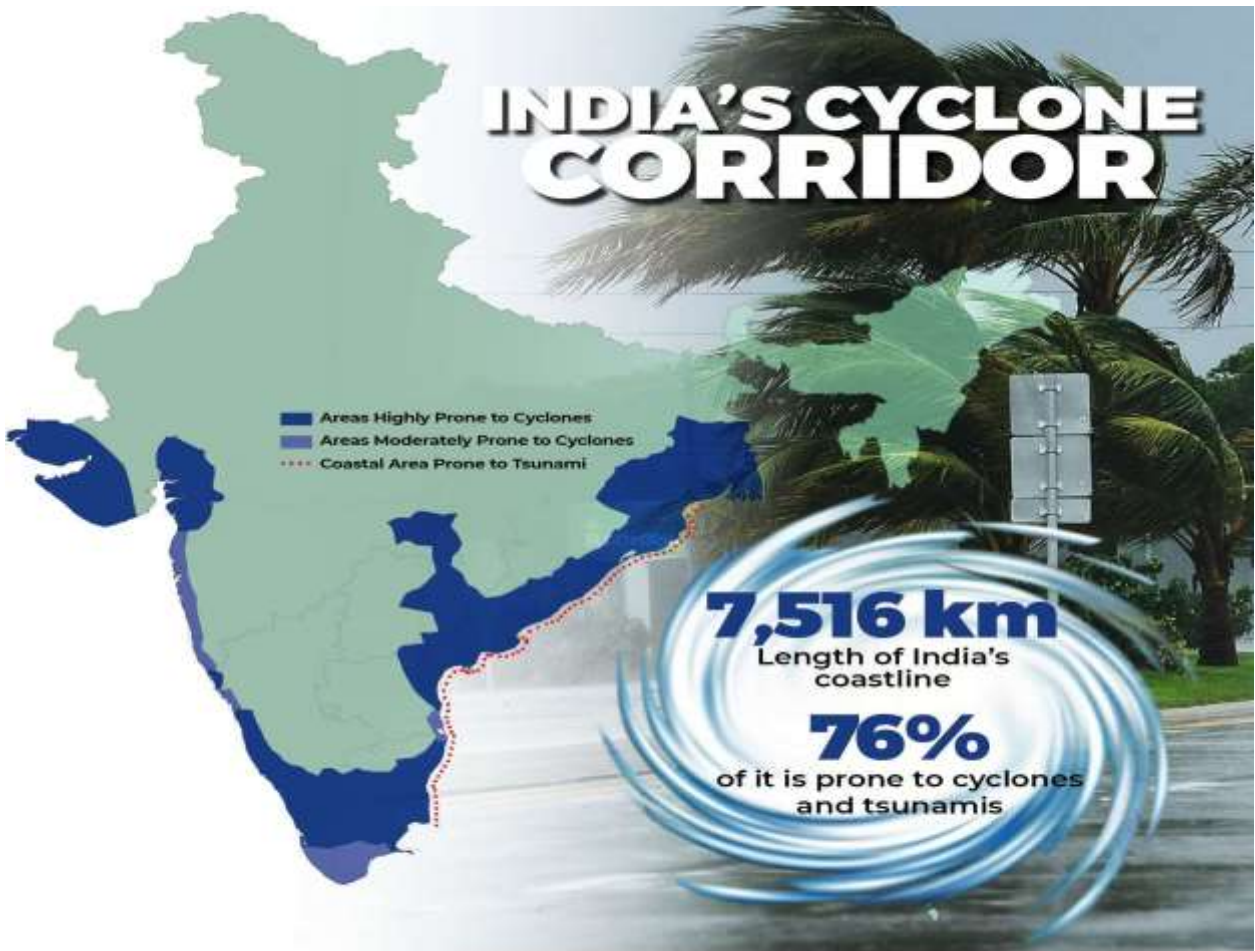


Fig: Cyclone prone areas in India.



A WARMER OCEAN ...means more cyclones



Tropical cyclones draw their energy from the warm waters. Sea surface temperatures over the Bay of Bengal are always above 28°C. Arabian Sea has been a degree or two cooler than the BoB. This explains why BoB used to see more cyclonic activity.

Scientists have observed that Arabian Sea temperatures have increased between 1.2–1.4°C in the recent four decades. This has led to an increase in the frequency and intensity of cyclones in the Arabian Sea.



BREWING UP A STORM

In the recent past an increase in frequency has been observed in formation of cyclones in the North Indian Ocean.

Cyclones formed in the region annually
During 1891-2017

On an average **5 cyclones**





OF WHICH
4 developed over Bay of Bengal
1 over Arabian Sea



During 2017-2019

There has been an increase in frequency of severe cyclones formed in the region

	2017	2018	2019
TOTAL CYCLONES	3	7	8
THOSE OF SEVERE INTENSITY	2	6	6

BAY OF BENGAL VS ARABIAN SEA

Historically, Bay of Bengal has been the hotbed of cyclones in the region

Reason



The Bay of Bengal is warmer than the Arabian Sea, thus providing a necessary cushion for a cyclone to form

Cyclone Tauktae

continues the trend of strong cyclones developing in the Arabian Sea more frequently than earlier

Frequency of cyclones by region of formation

	ARABIAN SEA	BAY OF BENGAL
2017	1	2
2018	3	4
2019	5	3



...and more intense cyclonic activity

Arabian Sea cyclones since 2018 have been categorised either **'Severe Cyclone'** or above. The latest cyclone, **Tauktae**, has intensified very rapidly

Time taken by Arabian Sea cyclones to intensify into a very severe cyclonic storm (VSCS)

Year	Cyclone Name	Time taken to intensify into VSCS
2018	MEKANU	4 DAYS
2019	VAYU	2.5 DAYS
2020	NISARGA	5 DAYS
2021	TAUKTAE	2 DAYS

NEWS18 creative



Going digital for better health solutions: Centre

1. Prime Minister Narendra Modi will launch the Pradhan Mantri Digital Health Mission (PM-DHM) soon. Currently, the PM-DHM is being implemented in a pilot phase in six Union Territories.
2. According to a release issued by the Central government, the PM-DHM will create a seamless online platform through the provision of a wide range of data, information and infrastructure services by leveraging open, interoperable, standards-based digital systems, while ensuring the security, confidentiality and privacy of health-related personal information.
3. The Centre said the project will enable access and exchange of longitudinal health records of citizens with their consent. The mission aims to create interoperability within the digital health ecosystem, similar to the role played by the Unified Payments Interface in revolutionising payments, said the release, adding that people can access health facilities more easily.

Going digital for better health solutions: Centre

PM Digital Health Mission will be rolled out today

SPECIAL CORRESPONDENT
NEW DELHI

Prime Minister Narendra Modi will launch the Pradhan Mantri Digital Health Mission (PM-DHM) on September 27 via video conferencing. Currently, the PM-DHM is being implemented in a pilot phase in six Union Territories.

According to a release issued by the Central government, the PM-DHM will create a seamless online platform through the provision of a wide range of data, information and infrastructure services by leveraging open, interoperable, standards-based digital systems, while ensuring the security, confidentiality and privacy of health-related personal information.

The Centre said the project will enable access and exchange of longitudinal health records of citizens with their consent. The mission aims to create interoperability within the digital health ecosystem, similar to the role played by the Un-



Online repository: Doctors across healthcare systems will be able to access records after patient consent. **PHOTO**

ified Payments Interface in revolutionising payments, said the release, adding that people can access health facilities more easily.

Unique id

The key components of PM-DHM include a health ID for every citizen that will also work as their health account, to which personal health records can be linked and viewed with the help of a mobile application; a Healthcare Professionals Registry (HPR) and Healthcare Facilities Registries (HFR) that will act as a repository

of all healthcare providers across both modern and traditional systems of medicine. This will ensure ease of doing business for doctors/hospitals and healthcare service providers," the release added. PM-DHM Sandbox, created as a part of the Mission, will act as a framework for technology and product testing that will help organisations, including private players intending to be a part of the National Digital Health Ecosystem, become a 'Health Information Provider' or 'Health Information User'.

Unique id

1. The key components of PM-DHM include a health ID for every citizen that will also work as their health account, to which personal health records can be linked and viewed with the help of a mobile application; a Healthcare Professionals Registry (HPR) and Healthcare Facilities Registries (HFR) that will act as a repository of all healthcare providers across both modern and traditional systems of medicine.
2. This will ensure ease of doing business for doctors/hospitals and healthcare service providers. PM-DHM Sandbox, created as a part of the Mission, will act as a framework for technology and product testing that will help organisations, including private players intending to be a part of the National Digital Health Ecosystem, become a 'Health Information Provider' or 'Health Information User'.



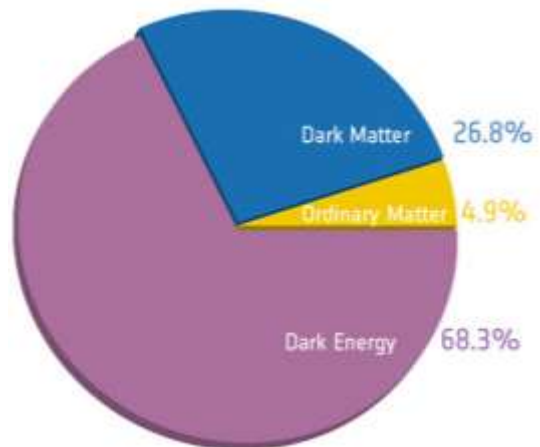
27.09.2021 Monday



<http://www.sriramsias.com>

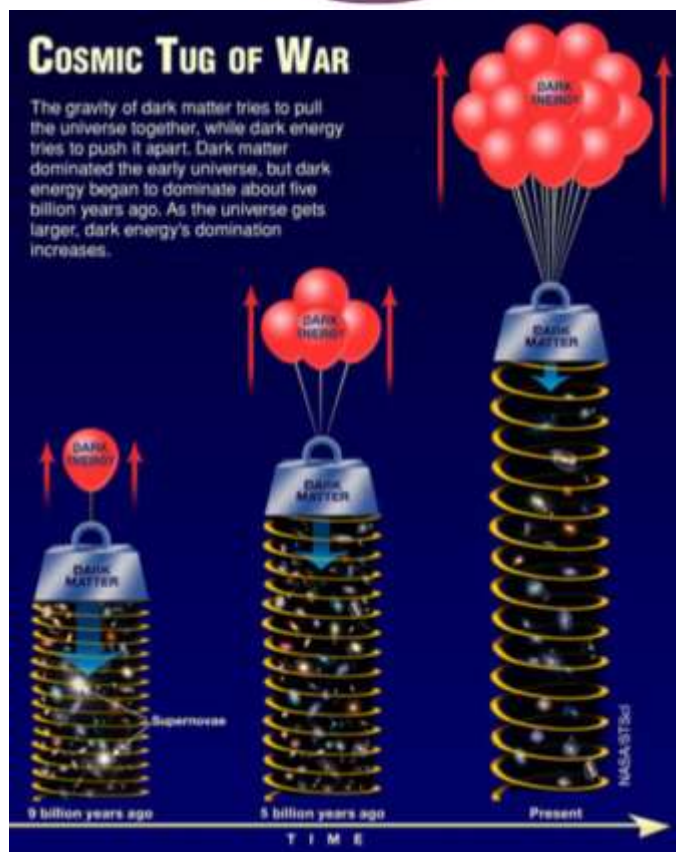
Explained: What is dark energy? Have scientists detected it finally?

Dark energy, the mysterious form of energy that makes up about 68% of the universe, has intrigued physicists and astronomers for decades. Dark energy has been noted as “the most profound mystery in all of science”.



The first putative direct detection of dark energy

1. With advanced technologies and newer experiments, scientists have found certain clues about it and an international team of researchers made the first putative direct detection of dark energy.
2. They noticed certain unexpected results in an underground experiment and write that dark energy may be responsible for it.
3. The XENONIT experiment is the world's most sensitive dark matter experiment and was operated deep underground at the INFN Laboratori Nazionali del Gran Sasso in Italy.
4. The finding also suggests that experiments like XENONIT, which are designed to detect dark matter, could also be used to detect dark energy.



Dark energy Vs Dark matter

1. Everything we see – the planets, moons, massive galaxies, you, me, this website – makes up less than 5% of the universe. About 27% is dark



THE HINDU
27.09.2021 Monday



<http://www.sriramsias.com>

matter and 68% is dark energy. While dark matter attracts and holds galaxies together, dark energy repels and causes the expansion of our universe.

2. Despite both components being invisible, we know a lot more about dark matter, since its existence was suggested as early as the 1920s, while dark energy wasn't discovered until 1998.

Practice MCQs	<p><i>Q. Consider the following statements</i></p> <ol style="list-style-type: none"> 1. While dark matter attracts and holds galaxies together, dark energy repels and causes the expansion of our universe 2. Everything we see – the planets, moons, massive galaxies, you, me, this website – makes up less than 5% of the universe 3. About 27% of the universe is dark matter and 68% is dark energy <p><i>Which of the above statements is/are correct?</i></p> <ol style="list-style-type: none"> a. 1 and 2 only b. 2 only c. 1 and 3 only d. 1, 2 and 3
MAINS DAWP	<p><i>Q. Identity-based public policy may not be as effective as one based on a universalist approach. Discuss in the context of demand for the Caste census.</i></p>