

VAJIRAM & RAVI Institute for IAS Examination

The Analyst

CURRENT AFFAIRS Handout

28th January 2025

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Lateral Entry: A Catalyst for Change?



28th January, 2025

<u>CONTEXT</u>: Politics & Legal processes have stalled Government Lateral Entry Scheme. This hinders a possible transformation of Governance.

What is Lateral Entry?

- Private Sector Professionals, Academics and Domain Experts - Middle and Senior management positions - Civil Services
- This bypasses traditional entry mechanisms
 UPSC CSE
- Typically done at the Joint Secretary, Director and Deputy Secretary levels

Need for Lateral Entry in India

- Addressing Specialized Requirements:
 complexity of governance domain-specific
 expertise AI, Digital Tech., RE, etc. Professionals Skill Set
- Filling Vacancies in Civil Services: shortage of IAS officers - efficient way - fill gaps
- Enhancing Policy-Making: private-sector challenges & solutions - fresh ideas, innovative approaches
- Learning from Global Best Practices: US, UK, and Singapore - efficiency and agility in governance - US-SES - UK's Fast Stream Program
- Strengthening Public-Private Collaboration: act as bridges - fostering synergy
- Promoting Competition and Accountability: encourages healthy competition - enhance performance

Importance of Lateral Entry

- Modernizing Governance: introduce efficiency-driven practices
- Leveraging Professional Expertise: economics, law, data science, etc. -evidence-based policymaking
- Catalyzing Administrative Reforms: NITI Aayog's vision of 'Transforming India' by infusing meritocracy
- Bridging Talent Gap: ministries dearth of experienced personnel 9 JS 2019
- Strengthening Public Services Delivery: healthcare management or digital governance

Challenges to Lateral Entry

- Lack of Institutionalized Mechanisms: ad-hoc basis - without a clear framework affects credibility and acceptance
- Resistance from Bureaucracy: "as outsiders"
 creates friction within departments

- **Political Influence and Patronage:** rather than merit-based selections undermines the credibility
- Lack of Accountability and Performance
 Metrics: not evaluated under the PAR System
- Limited Field Experience: lack grassroots exposure - socio-economic challenges
- Equity Concerns: primarily professionals from urban, private, or corporate backgrounds
- Short Tenures: contractual nature not enough to implement long-term reforms
- Lack of Sectoral Ecosystems: RUs & policy think tanks within ministries

Way Forward

- Institutionalizing the Recruitment Process: independent body - credibility and impartiality - clear eligibility criteria, etc.
- Training and Orientation Programs: customized Training – LBSNAA – (Constitution, Socio-Economic challenges, etc.)
- Performance Monitoring and Accountability: robust performance appraisal system - annual review - KPIs; independent oversight
- Ensuring Collaboration with Career Civil
 Servants: workshops and TB exercises Role
 Definition
- **Expanding the Scope of Lateral Entry:** State, PSEs and regulatory bodies; Technology Integration - AI, Data Analytics
- Enhancing Equity and Diversity: rural and underprivileged backgrounds - women and marginalized groups
- Addressing Public Perception and Political
 Neutrality: merit-based trust among
 stakeholders

Mains Practice Question

"Critically examine the concept of lateral entry into civil services in India. Discuss its significance in modern governance, the challenges it poses, and suggest measures to ensure its effective implementation."

(15 Marks, 250 words)

Glacial Lake Outburst Floods(GLOFs)



28th January, 2025

<u>CONTEXT</u>: Fourteen months after a devastating GLOF in Sikkim washed away the Teesta-3 dam, killing at least 100, an expert committee of the Environment Ministry has recommended that the dam be reconstructed.

What are GLOFs?

- Glacial Lakes often dammed by Moraines or Ice - Unstable
- Disaster Events Boundary Breaks abrupt discharge of water - GLOF event
- Triggered By CC, Earthquakes, Glacial Calving, breakage of Terminal Moraine
- GLOFs unleash large volumes of water, sediment and debris downstream

Why are GLOFs under the spotlight?

- Himalayas ICIMOD 8k 200 dangerous;
 Rise in GLOFs events Kedarnath, Chamoli
- CC Nature 2021 53% increase GLs
- South Lhonak Lake in **Sikkim**
- Soaring Global Temperatures & Rapid Infra Development
- Nature 2023 15 mn particularly in Southeastern Tibet and the China-Nepal border area

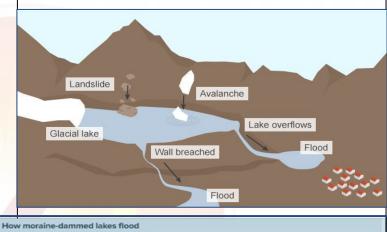
Mitigation Measures Taken:

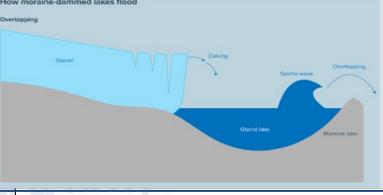
- National Glacial Lake Outburst Floods Risk Mitigation Programme
- ICIMOD Hindu-Kush Himalayas
- CWC Remote Sensing
- State Disaster Management Authority
- NDMA list of 189 "high-risk" glacial lakes
- Scientific Expeditions

Measures required:

- Early Warning Systems: Continuous monitoring; Establishing robust EWSs - Real time - Bhutan
- Structural Measures: Dams or Diversion channels; protective barriers or embankments; Strengthening of moraine dam

- Community Preparedness: Developing and practicing evacuation plans; Conducting public awareness campaigns
- Climate Change Mitigation: Reducing GHGs
- Cooperation: Strengthening regional cooperation





Mains Practice Question

"The Himalayan region is prone to devastating Glacial Lake Outburst Floods. Highlight the measures taken to mitigate its effect and the additional efforts required"

(15 Marks, 250 words)

Q1. With reference to the Glacial Lake Outburst Flood (GLOF), consider the following statements:

- 1. Glacial lakes are typically dammed by stable materials like ice and sediment composed of loose rocks and debris.
- 2. Seismic activity can disrupt the fragile balance around glacial lakes, leading to their sudden release of water.
- 3. Intense and prolonged rainfall in the region can contribute to the rapid expansion of glacial lakes, increasing the risk of a GLOF event.

Which of the statements given above is/are correct?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 3 only

(d) None

Union Budget & Climate Change



28th January, 2025

<u>SYLLABUS</u>:

GS-3:

Climate

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Change

Budget

&

Newspaper: The Hindu Page No: 8

PRIME MINISTER'S PANCHAMRIT ANNOUNCED IN GLASGOW

Promise	Whether included in new NDC	
Non-fossil fuel electricity installed capacity to reach 500 GW	Not included	
At least 50 per cent of total installed electricity generation capacity to come from non-fossil fuel sources	Included	
Reduction of one billion tonnes of carbon dioxide equivalent from cumulative projected emissions between now and 2030	Not included	
At least 45 per cent reduction in emission intensity of GDP by 2030	Included	
Net zero status by 2030	Never intended to be part of NDC	

There is much work to be done

The Budget must prioritise key policy measures to strengthen India's climate response and accelerate progress on both adaptation and mitigation fronts. First, to accelerate India's green energy transition, the PM Surya Ghar Muft Bijli Yojana needs a comprehensive review. While the scheme has seen around 1.45 crore registrations, the completion rate of only 6.34 lakh installations (4.37%) indicates the presence of significant implementation gaps. To address this, the FY26 Budget must take a multi-pronged approach. In the first instance, fiscal allocations should prioritise the Renewable Energy Service Company (RESCO) model, effectively transforming the prohibitive upfront costs into manageable operating expenses for lower-income households through innovative financial instruments and credit guarantees.

Il eyes will be on Union Finance Minister Nirmala Sitharaman when she takes centrestage on February 1 to present the Union Budget. As the nation grapples with increasingly frequent extreme weather events and mounting pressure to meet its climate commitments, the FY26 Budget carries the weight of both urgency and opportunity. With just five years left to achieve India's first interim Net-Zero target, the Budget must take decisive steps to protect those on the frontlines of climate change.

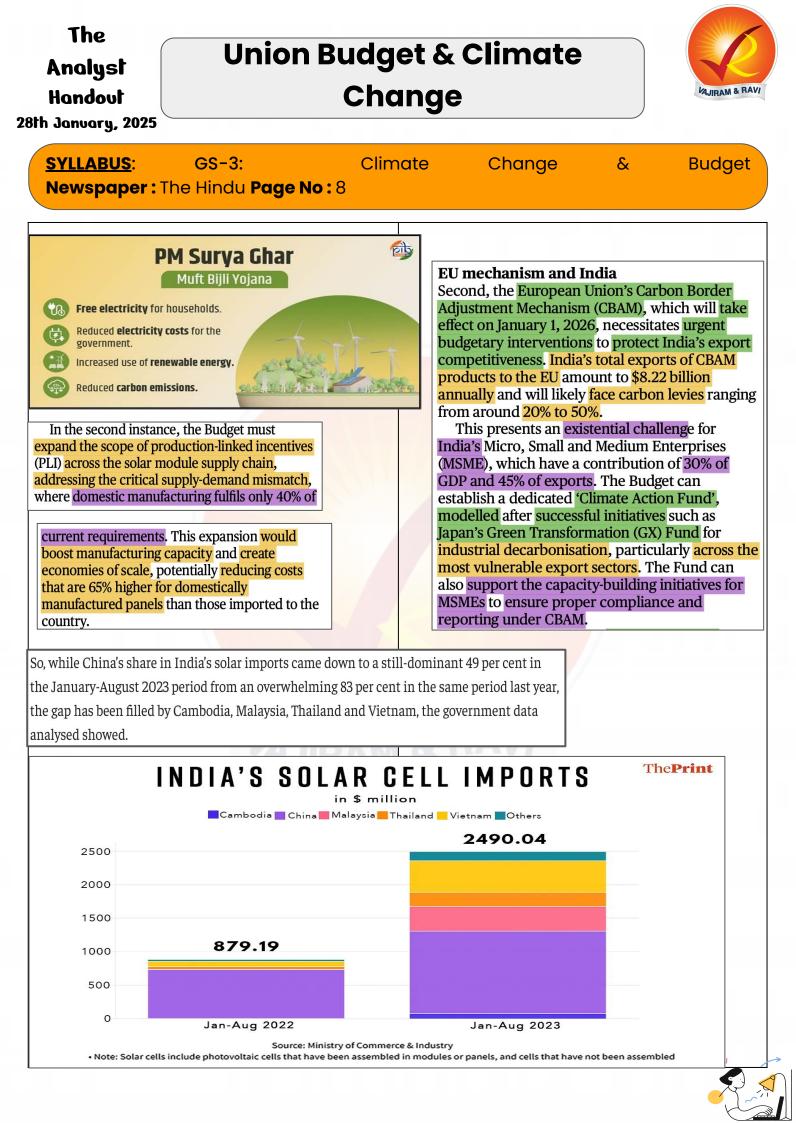
Previous Budgets have demonstrated the government's commitment to climate action, notably through initiatives such as the PM Surya Ghar Muft Bijlee Yojana, support for electric vehicle charging infrastructure, viability gap funding for offshore wind energy, and increased allocations for the National Green Hydrogen Mission. Yet, with a total renewable energy installed capacity of 203.18 GW, far short of the 2030 target of 500 GW, accelerated investment and policy support are imperative.

No upfront investment

Unlike a solar EPC or capex proposition, wherein the consumer owns the system and invests upfront, the RESCO model is a zero-investment model in which the consumer pays only for the electricity generated, while the solar plant is owned by the RESCO developer. You can enjoy the electricity that is generated without worrying about any of the associated operations and maintenance issues. In return, all you need to do is pay a pre-decided monthly tariff which is lower than prevailing grid electricity tariff.

Target (for 2030)	Existing: First NDC (2015)	New: Updated NDC (2022)	
Emission intensity reduction	33-35 per cent from 2005 levels	45 per cent from 2005 levels	
Share of non-fossil fuels in installed electricity capacity	40 per cent	50 per cent	
Carbon sink Creation of 2.5 to 3 Same a billion tonnes of additional sink through afforestation		Same as earlier	





Union Budget & Climate Change



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In the third instance, India's vast railway network offers untapped potential for renewable energy generation. Estimates suggest that the Railways' extensive land banks and track corridors could host up to 5 GW of solar and wind installations. The Budget should encourage innovative public-private partnership models to unlock this opportunity.

> Third, the Budget must accelerate India's transition to a circular economy. A recent study by the Council on Energy, Environment and Water estimates that the benefit of adopting a circular economy can yield an annual profit of ₹40 lakh crore (\$624 billion) for India by 2050 while reducing greenhouse gas emissions by about 44%. A weighted deduction of 150% on investments in recycling infrastructure and refurbishment technologies, complemented by accelerated depreciation benefits for circular economy assets, can encourage businesses to

invest in recycling and refurbishment technologies. The Budget should establish a sovereign green bond framework specifically for financing circular economy infrastructure.



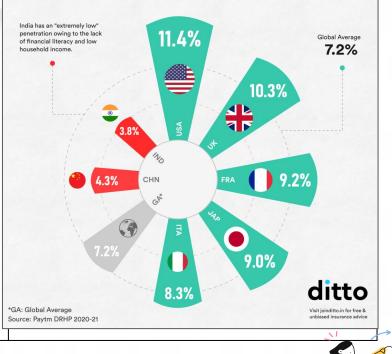
On insurance products, green finance Fourth, there is a strong need to strengthen climate resilience. India's insurance penetratior remains worryingly low. According to the Insurance Regulatory and Development Authority of India (IRDAI) 2023-24 Annual Report, it has declined from 4% in FY23 to 3.7% FY24. To address this challenge, the Budget cou offer tax deductions to insurance companies on income from climate-linked policies and advoca lower Goods and Services Tax (GST) rates on premiums for insurance products specifically designed for climate resilience and disaster protection.

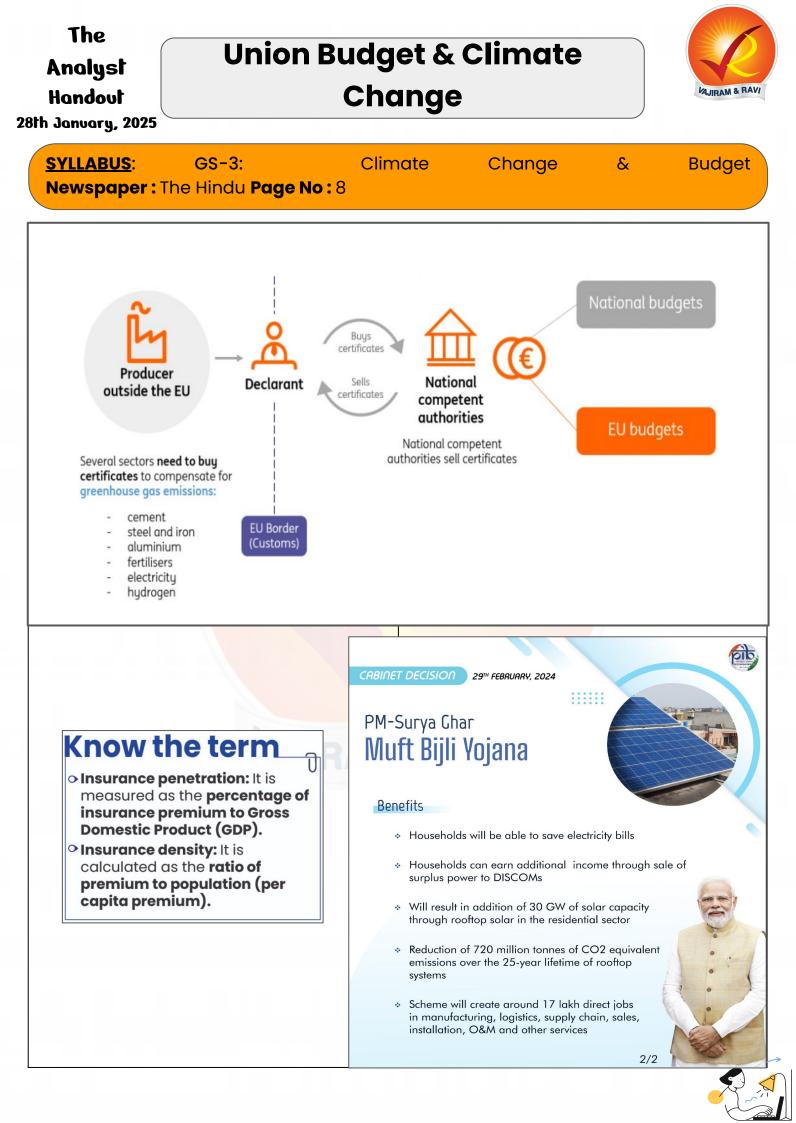
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Finally, some estimates indicate that standardising green finance definitions could help build investor confidence and help India g part of the ₹162.5 trillion (\$2.5 trillion) needed t achieve the Nationally Determined Contribution by 2030. The Budget should allocate funds to build the institutional and technical infrastructure required to implement the climat finance taxonomy effectively, including for market readiness programmes, verification

Comparing insurance penetration across nations

Insurance penetration in selected countries (ratio of premiums to GDP), FY21





The
Analyst
Handout
28th January, 2025

CEC Appointment



SYLLABUS:

GS

:

Constitutional

Bodies

Newspaper: Indian Express Page No: 9

<u>The Chief Election Commissioner and Other Election Commissioners</u> (Appointment, Conditions of Service and Term of Office) Act, 2023

2

- Appointment Committee:
 - The CEC and other Election Commissioners will be appointed by a Selection Committee comprising:
 - 1. Prime Minister (Chairperson).
 - 2. Leader of the Opposition (LoP) in the Lok Sabha.
 - 3. A Union Cabinet Minister nominated by the Prime Minister.
- Eligibility Criteria:
 - The Act does not specify detailed qualifications but emphasizes the need for individuals with experience in governance and administration.
- Tenure:
 - The CEC and Election Commissioners will have a fixed tenure of 6 years or until they attain the age of 65 years, whichever is earlier.
- Resignation and Removal:
 - They may resign by submitting a written notice to the President.
 - The CEC can only be removed through a process similar to the removal of a Supreme Court judge (via impeachment).
 - Other Election Commissioners can only be removed on the recommendation of the CEC.





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five names as per the Act. While

<u>SYLLABUS</u> : GS Newspaper : Indian Express F		:	Constitutional	Bodies
Salary and Allowances:				
The CEC and other Election equivalent to a Supreme Call		will have sa	laries, allowances, ar	nd privileges
• These will not be altered to	their disadvanta	ge during th	eir tenure.	
Prohibition on Post-Service En	nployment:			
After demitting office, the C office of profit under the G				holding any
The Act reaffirms the constitution			Commission of India	a (ECI) unde
Article 324 to conduct free and	fair elections in	India.		
It grants the CEC and Election C	commissioners tl	ne authority	to make decisions co	ollectively.
H	the procedure v	was adopted	for	
EXPRESS NEWS SERVICE NEW DELHI, JANUARY 27	the appointme Commissioners	Gyanesh Kun	nar	
WITH CHIEF Election	<mark>and Sukhbir Si</mark> March 2024, th			
Commissioner Rajiv Kumar set to	ment process fo	r appointing	the	
demit office on February 18, the	CEC will be used			
Union Law Ministry recently set up a Search Committee headed	Prior to the enac the CEC was usu			
by Law Minister Arjun Ram	elevating the set			
Meghwal to shortlist names for		that the L		
his replacement, sources said. The Search Committee	Ministry has se committee of t			
would shortlist names to be con-	two Secretaries			
sidered by the Selection	Department of			
Committee comprising Prime	Training) on Ja			
Minister Narendra Modi, a	provisions of the			
Cabinet Minister and Leader of the Opposition in the Lok Sabha	Committee wou five secretary-l			
Rahul Gandhi.	the Selection Co			
The process of appointing the	<mark>lect from</mark> , as per	a source. The	Act	
CEC from a panel of five as per the	gives the Select			
Chief Election Commissioner And	the option of so			
Other Election Commissioners (Appointment, Conditions of	from outside the well. Sources sa			
Service And Term of Office) Act,	Kumar, who is			
2023, would be a first. The Indian	EC after Rajiv K	<mark>umar</mark> , could s	till	
Express had reported on January	become CEC, bu			
11 that the selection process for the CEC would involve a panel of	prescribed in the to be followed.	e Act would ha	ave	
five names as per the Act While			те	

-WITH PTI INPUTS

28th January, 2025

SYLLABUS:

GS Newspaper: Indian Express Page No: 19

Paris AI Summit

3:

Technology

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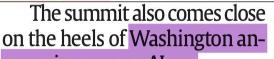
HOW TO leverage the power of AI while mitigating its risks: that seems to be the biggest challenge confronting policymakers across countries on the issue of AI regulation. Amid growing concerns over how to develop regulatory oversight of artificial intelligence, without stifling the AI ecosystem, global leaders are set to gather in Paris on February 10 for a two-day AI Action Summit. This builds on a AI Safety Summit held in Britain in Bletchley Park in 2023 and a smaller meeting in Seoul in 2024.

While the Bletchley summit was focused on the debate surrounding the 'doomsday' concerns posed by AI, and eventually resulted in all 25 states, including the US and China, signing the Bletchley Declaration on AI Safety, the Seoul summit last May saw 16 top AI companies making voluntary commitments to develop AI in a transparent manner.

Paris Summit

The Paris summit is an initiative of French President Emmanuel Macron and focuses on the broader agenda of global AI governance, innovation and on ways of serving the larger public interest leveraging this new technology. Prime Minister Narendra Modi is set to co-chair the Paris summit and has accepted the invitation to travel to France. The Paris summit aims to address the increasing concentration of power in the AI market, especially with respect to the foundational models being owned by a few companies – Microsoft, Alphabet, Amazon and Meta. The summit will kick off in the Grand Palais on February 10, starting with a forum bringing together multiple stakeholders from around the world representatives of governments, businesses and civil society, researchers, artists and journalists.

where Macron has taken a personal initiative, is important for Europe because the development of powerful AI is now increasingly perceived as a race between the tech majors of America and the state power of China. In his widely cited report on the challenges to Europe's economy, Mario Draghi, the former president of the European Central Bank, highlighted red tape and laws that prevent the European technology sector from competing with America and China in this new field. Brussels is seen to be trailing



nouncing a mega AI announcement, with the likes of OpenAI, Softbank. Oracle. Microsoft and Nvidia coming together to build AI infrastructure in that country. An investment of \$500 billion is expected to be made in a new company – Stargate Project - to catalyst this expansion of AI capabilities over the next four vears.

Paris Al Summit



Technology

28th January, 2025

SYLLABUS:

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Newspaper: Indian Express Page No: 19

But the elephant in the room is likely to be China, and the astounding advances made by the country in AI, despite efforts by Washington to thwart this progress. A Chinese company has recently showcased a new large language model (LLM) — a foundational AI model trained on large amounts of data – that is being touted to be almost on par with OpenAI's new o1 'reasoning model' in math, coding, and reasoning benchmarks. The model released by China's DeepSeek has shown that training an AI model may not be as expensive an en-

deavour as previously thought, with foundational models possible at a fraction of the cost of what it took companies like OpenAI and Google to build theirs. Chinese tech major Alibaba too released a new AI model in November, which is said to rival OpenAI's GPT-01 series models in reasoning capability. The emergence of China's AI tech is a relatively new phenomenon that could be a factor in the Paris deliberations.

Approaches on Regulation All these developments come as policymakers across jurisdictions have stepped up regulatory scrutiny of generative AI tools, but have taken varying approaches. The concerns being flagged fall into three broad heads: privacy, system bias and violation of intellectual property rights. The policy response has been different across jurisdictions, with the European Union having taken a predictably tougher stance by proposing a regulation that segregates AI as per use case scenarios, based broadly on the degree of invasiveness and risk. The UK is seen to be on the other end of the spectrum, with a decidedly 'lighttouch' approach that aims to foster, and not stifle, innovation in this nascent field. The US approach so far has

slotted somewhere in between, which could see further deregulation now. China too has released its own set of measures to regulate AI. India has maintained that the weaponisation represented by social media must be overcome and steps should be taken to ensure AI represents safety and trust, even as the technology represents a big opportunity.

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Paris Al Summit



SYLLABUS:

GS

3:

Technology

Newspaper: Indian Express Page No: 19

Announcing The Stargate Project

The Stargate Project is a new company which intends to invest \$500 billion over the next four years building new AI infrastructure for OpenAI in the United States. We will begin deploying \$100 billion immediately. This infrastructure will secure American leadership in AI, create hundreds of thousands of American jobs, and generate massive economic benefit for the entire world. This project will not only support the re-industrialization of the United States but also provide a strategic capability to protect the national security of America and its allies.

The initial equity funders in Stargate are SoftBank, OpenAl, Oracle, and MGX. SoftBank and OpenAl are the lead partners for Stargate, with SoftBank having financial responsibility and OpenAl having operational responsibility. Masayoshi Son will be the chairman.

Arm, Microsoft, NVIDIA, Oracle, and OpenAl are the key initial technology partners. The buildout is currently underway, starting in Texas, and we are evaluating potential sites across the country for more campuses as we finalize definitive agreements.

As part of Stargate, Oracle, NVIDIA, and OpenAI will closely collaborate to build and operate this computing system. This builds on a deep collaboration between OpenAI and NVIDIA going back to 2016 and a newer partnership between OpenAI and Oracle.

This also builds on the existing OpenAl partnership with Microsoft. OpenAl will continue to increase its consumption of Azure as OpenAl continues its work with Microsoft with this additional compute to train leading models and deliver great products and services.

The Analyst Handout h January, 2025	SEBI			VAJIRAM & RAVI
SYLLABUS:	GS 2:	Statutory;	Regulatory	Bodies
Newspaper: Inc	dian Express Page No :	:19		
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	post of Chain and Exchar (SEBI). The curre of Sebi Chair Buch will end	man of the Securities age Board of India ent three-year tenure person Madhabi Puri d on February 28. She		
	post of Chain and Exchar (SEBI). The curre of Sebi Chair Buch will end took over as t	man of the Securities age Board of India ent three-year tenure person Madhabi Puri		

Securities and Exchange Board of India (SEBI)

The **Securities and Exchange Board of India (SEBI)** is the regulatory body for the securities and commodities market in India. It was established to protect investor interests, develop and regulate the securities market, and ensure its smooth functioning.

Formation and Evolution

- Established: April 12, 1988 (as a non-statutory body).
- Statutory Status: Achieved under the SEBI Act, 1992.
- Headquarters: Mumbai, Maharashtra.
- Motto: "To protect the interests of investors in securities and to promote the development of, and to regulate, the securities market."

Functions of SEBI

1. Protective Functions:

- Prohibiting unfair trade practices like insider trading.
- Promoting investor education and awareness.
- Regulating substantial acquisition of shares and takeover of companies.

The Analyst Handout January, 2025	SEBI			VAJIRAM & RAM
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	the eligible can the post of Cha and Exchang (SEBI)," a pub the Departm Affairs (Finance on January 27 are invited fr February 17. hold office for ing five years years of age, v and will be elig ment, the notion ment of the Sec be made by t	ons are invited fro didates for filling airman in Securiti ge Board of Inc lic notice issued nent of Econom ial Markets Divisio read. Applicatio om candidates to The chairman wa a period not exceet or till the age of o vhichever is earling gible for re-appoint ce said. The appoint ce said. The appoint bi chairman wou he Central gover ecommendation Sector Regulato	up ies lia by nic on) ons till vill ed- 65 er, nt- nt- nt- ild n- of ory	

2. Developmental Functions:

- Training intermediaries in the securities market.
- Facilitating innovations like online trading platforms.
- Promoting self-regulatory organizations (SROs).

3. Regulatory Functions:

- Framing rules and regulations for intermediaries like brokers, sub-brokers, and underwriters.
- Conducting inquiries and audits of market intermediaries.
- Registering and regulating mutual funds and credit rating agencies.

Powers of SEBI

Quasi-Judicial Powers:

 SEBI can pass orders, such as imposing penalties and suspending or canceling registration of market intermediaries.

Quasi-Executive Powers:

 SEBI can inspect books of accounts and other documents of listed companies and intermediaries.

Quasi-Legislative Powers:

 SEBI has the authority to draft regulations for the securities market. These regulations need to be consistent with the SEBI Act.

28th January, 2025

Amid negotiations bet-

ween India and Indonesia

for the sale of BrahMos su-

personic cruise missile sys-

tems, the Chief of Staff of

the Indonesian Navy, Ad-

miral Muhammad Ali, visit-

Private Litd. here on Mon-

day and "exchanged ideas

and insights on further

cooperation in the area of

defence and strategy".

Aerospace

bilateral

ed BrahMos

strengthening

BrahMos Missile



Defence

SYLLABUS: GS 2 : International Relations; **Newspaper :** The Hindu **Page No :** 12

BRAHMOS is a two-stage missile with a solid propellant booster engine as its first stage which brings it to supersonic speed and then gets separated. The liquid ramjet or the second stage then takes the missile closer to 3 Mach speed in cruise phase. Stealth technology and guidance system with advanced embedded software provides the missile with special features.

The missile has flight range of up to 290-km with supersonic speed all through the flight, leading to shorter flight time, consequently ensuring lower dispersion of targets, quicker engagement time and non-interception by any known weapon system in the world.

It operates on 'Fire and Forget Principle', adopting varieties of flights on its way to the target. Its destructive power is enhanced due to large kinetic energy on impact. Its cruising altitude could be up to 15 km and terminal altitude is as low as 10 meters. It carries a conventional warhead weighing 200 to 300 kgs.

Compared to existing state-of-the-art subsonic cruise missiles, BRAHMOS has:

- 3 times more velocity
- $\circ~$ 2.5 to 3 times more flight range
- $\circ~$ 3 to 4 times more seeker range
- 9 times more kinetic energy

The missile has identical configuration for land, sea and sub-sea platforms and uses a Transport Launch Canister (TLC) for transportation, storage and launch.

BRAHMOS System on Various Platforms



Ship-based Weapon Complex System

BRAHMOS missile is capable of hitting sea or land based targets beyond radar horizons. It can be launched in either inclined or vertical configuration based on the type of the ship or user requirements.



Land-based Weapon Complex System

BRAHMOS Land-based Weapon Complex comprises of four to six Mobile Autonomous Launchers (MAL) controlled by a Mobile Command Post (MCP), and a Missile Replenishment Vehicle (MRV).



Air Launched Weapon System

The highly advanced Air-Launched Cruise Missile (ALCM) with precision attack capability against sea and land targets has been designed and developed for IAF's frontline air combat platform Sukhoi-30MKI.



Submarine Based Weapon System

BRAHMOS missile is capable of being launched from submarine from a depth of 40-50 metres. The missile is installed in a modular launcher vertically in the pressure hull of the submarine.



BrahMos Missile



28th January, 2025

GS 2 • **SYLLABUS**: Newspaper: The Hindu Page No: 12

International

Relations;

Defence

Ali held bilateral interactions with Indian Navy chief Admiral Dinesh K. Tripathi to deepen maritime cooperation and strengthen ties between the two close maritime neighbours, the Indian Navy said in a statement.

Key points of discussion "The key areas of discussion between the two naval leaders included advancing joint initiatives like 'Exercise Samudra Shakti'. strengthening operational collaboration, and addressing shared maritime challenges, including piracy and other illegal activities at sea."

Mr. Ali visited several naval establishments, including the Information Fusion **Centre-Indian** Ocean Region (IFC-IOR) and the Weapons and Electronics Systems and Engineering Establishment.

He is on an official visit as part of the high-level delegation accompanying Indonesian President Prabowo Subianto, who was the chief guest at the Republic Day parade on Sunday.

The \$450-million deal for the BrahMos systems is in advanced stages of negotiations, and Indonesia will become the second export market of the missile system after the Philippines, which has signed a \$375million deal in 2022 for three regiments of the antiship variant of the missile.



BrahMos Aerospace was formed as a joint venture between Defence Research and Development Organisation (DRDO) of India and Joint Stock Company "Military Industrial Consortium" "NPO Mashinostroyenia" (earlier known as Federal State Unitary Enterprise NPOM of Russia). The company was established in India through an Inter-Governmental Agreement signed on February 12, 1998, between The Republic of India and The Russian Federation.

BrahMos - the name represents the fury of Brahmaputra and the grace of Moskva rivers. The company was established with an authorised capital of \$250 million with 50.5% from Indian side and 49.5% from Russian side. The company is responsible for designing, developing, producing and marketing the BRAHMOS supersonic cruise missile with active participation of a consortium of Indian and Russian industries.

Daily Quiz



28th January, 2025

	consider the following statements regarding al Lake Outburst Floods (GLOFs):	How many of the statements given above is/are correct?
1.	GLOFs occur when a dam containing a glacial lake	a) Only One
	fails, leading to sudden and catastrophic flooding.	b) Only Two
2.	GLOFs are primarily caused by volcanic activity	c) Only Three
۷.		
•	beneath glaciers.	d) All Four
3.	Early warning systems and monitoring of glacial	
	lakes can help mitigate the risks associated with	Answer: c
	GLOFs.	
Whicł	n of the statements given above are correct?	Q4. Consider the following statements regarding the Chief Election Commissioner (CEC) in India:
2)	1 and 2 anly	1 The Chief Election Commissioner is appointed by
a)	1 and 2 only	1. The Chief Election Commissioner is appointed by
b)	1 and 3 only	the President of India.
C)	2 and 3 only	2. The tenure and service conditions of the Chief
d)	1, 2, and 3	Election Commissioner are determined by the
		Parliament.
Answ	er: b	3. The Chief Election Commissioner enjoys the sam
		status and salary as that of a Supreme Court
<u></u>	anaidar the following statements recording	
	onsider the following statements regarding	judge.
india'	s "Panchamrit" target <mark>s announced at COP26</mark> :	4. The Chief Election Commissioner can be remove
		from office by the Prime Minister on the
1.	India aims to achieve net-zero carbon emissions	recommendation of the Election Commission.
	by the year 2047 under the Panchamrit targets.	
2.	One of the targets includes meeting 50% of India's	How many of the statements given above is/are
	energy requirements from renewable energy	correct?
	sources by 2030.	
~		
3.	India aims to reduce the carbon intensity of its	a) Only One
	economy by 45% by <mark>2030 as part of the second s</mark>	b) Only Two
	Panchamrit initiative.	c) Only Three
		d) All Four
Which	n of the statements given above are correct?	
	3	Answer: b
a)	1 and 2 only	
,	2 and 3 only	OF Consider the following statements regarding the
b)		Q5. Consider the following statements regarding the
C)	1 and 3 only	BrahMos missile:
d)	1, 2, and 3	CLIFFE I
		1. BrahMos is a joint venture between India and
Answ	er: b	Israel for the development of a supersonic cruise
		missile.
03 0	onsider the following statements regarding the	2. The BrahMos missile is capable of being launche
	• • • •	
r IVI JI	urya Ghar: Muft Bijli Yojana:	from land, air, and sea platforms.
	T I I I I I I I I I I I I I I I I I I I	3. BrahMos has a maximum range of 500 kilometers
1.	The scheme provides a subsidy of 60% for solar	and can carry both conventional and nuclear
	systems up to 2 kW capacity.	warheads.
2.	Households consuming more than 300 units of	4. The BrahMos missile is designed for both strategi
	electricity per month are not eligible for the	and tactical defense purposes, with a focus on
	scheme.	countering land-based targets only.
3.	The scheme aims to benefit 1 crore households	
J.		How many of the statements given shave interes
	across India.	How many of the statements given above is/are
4.	Applicants must own a house with a suitable roof	correct?
	for installing solar panels to be eligible.	
		a) Only One
		b) Only Two

Answer: a



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