




04 March 2024

National and International News

<p>Seizure of CNC Machines Bound for Pakistan at Nhava Sheva Port</p>	<p>Context:</p> <ul style="list-style-type: none"> • Customs authorities at Nhava Sheva port recently intercepted a dual-use shipment on a vessel destined for Karachi, expressing suspicions regarding its potential utilization in Pakistan's nuclear initiatives. <p>About Nhava Sheva Port:</p> <ul style="list-style-type: none"> • Jawaharlal Nehru Port, also known as JNPT and Nhava Sheva Port, is the second largest container port in India after Mundra Port. • Operated by the Jawaharlal Nehru Port Trust Authority (JNPTA), it is located on the eastern shores of the Arabian Sea in Navi Mumbai, Raigad district, Maharashtra.
<p>Hanguls on the Path to Recovery</p> 	<p>Context:</p> <ul style="list-style-type: none"> • The endangered hangul, a shy deer species native to Kashmir, is showing signs of recovery with a healthy mating season indicating a potential increase in numbers. • The official figure suggested there are 19.2 males per 100 females “which is much lower than the ideal ratio of 40-50 males per 100 females”. <p>Key points:</p> <ul style="list-style-type: none"> • Hangul population declined sharply since 1947 but showed a steady increase from 183 in 2015 to 261 in 2021. • Conservation efforts include securing habitats, regulating traffic on highways, and identifying threats. • A captive-breeding facility has been set up to further protect the species. <p>About: Hangul, a subspecies of the Central Asian red deer, is primarily found in the dense riverine forests of the Valley and mountains of Jammu and Kashmir as well as northern Himachal Pradesh.</p> <ul style="list-style-type: none"> • Habitat: Dense riverine forests of the Valley and mountains of Jammu and Kashmir and northern Himachal Pradesh. • Threats: Rising pollution, poaching, habitat



	<p>fragmentation due to land use, and climate change.</p> <ul style="list-style-type: none"> ● Impact of Human Activities: Studies indicate that human activities are major factors contributing to the decline in the Hangul population. ● Conservation Status: The International Union for Conservation of Nature (IUCN) has classified the Hangul as Critically Endangered in the Red Data Book. ● Legal Protection: The animal is listed under Schedule I of the Indian Wildlife (Protection) Act, 1972.
<p>Cabinet Approval for Semiconductor Plants</p> <p>Potential in India:</p> <ul style="list-style-type: none"> ● In 2019, India's semiconductor consumption hit US\$21 billion, showing a growth rate of 15.1%. ● The country is expected to surpass USD 80 billion in semiconductor consumption by 2026 and USD 110 billion by 2030. ● Leading semiconductor manufacturing nations are the USA, Taiwan, South Korea, Japan, the Netherlands, and emerging producers like Germany. 	<p>Context: The Union Cabinet approved three semiconductor plant proposals to strengthen India's semiconductor manufacturing ecosystem.</p> <p>Semiconductor Fab with 50,000 wfsm Capacity:</p> <ul style="list-style-type: none"> ● Location: Dholera, Gujarat ● Investment: Rs. 91,000 crore ● Partnership: Tata Electronics Private Limited ("TEPL") and Powerchip Semiconductor Manufacturing Corp (PSMC), Taiwan ● Technology Partner: PSMC, known for expertise in logic and memory foundry segments ● Capacity: 50,000 wafer starts per month (WSPM) <p>Segments:</p> <ul style="list-style-type: none"> ● High performance compute chips with 28 nm technology ● Power management chips for EVs, telecom, defense, automotive, consumer electronics, display, power electronics, etc. <p>Semiconductor ATMP Unit in Assam:</p> <ul style="list-style-type: none"> ● Location: Morigaon, Assam ● Investment: Rs. 27,000 crore ● Company: Tata Semiconductor Assembly and Test Pvt Ltd ("TSAT") ● Technology: Developing indigenous advanced semiconductor packaging technologies including flip chip and ISIP ● Capacity: 48 million per day ● Segments: Automotive, EVs, consumer electronics, telecom, mobile phones, etc.



Semiconductor ATMP Unit for Specialized Chips:

- **Location:** Sanand, Gujarat
- **Investment:** Rs. 7,600 crore
- **Partnership:** CG Power, Renesas Electronics Corporation (Japan), and Stars Microelectronics (Thailand)
- **Technology Partner:** Renesas, a leading semiconductor company in specialized chips
- **Capacity:** 15 million per day
- **Segments:** Consumer, industrial, automotive, and power applications.

ADITI scheme



Context:

Raksha Mantri Shri Rajnath Singh unveiled the ADITI scheme at DefConnect 2024 to boost innovations in critical and strategic defence technologies.

Key points:

- **Scheme Name:** Acing Development of Innovative Technologies with iDEX (ADITI)
- **Purpose:** Develop critical and strategic defence technologies.
- **Falls under: iDEX (Innovations for Defence Excellence) framework.**
- **Period:** 2023-24 to 2025-26
- **Focus:** Innovations in critical and strategic defence technologies from startups
- **Grant Amount:** Up to **Rs 25 crore** for research, development, and innovation in defence technology
- **Benefits:** Nurtures youth innovation and advances country's technology sector
- **Technology Watch Tool:** To bridge gap between modern Armed Forces' needs and defence innovation ecosystem
- **Challenges:** 17 challenges launched in the first edition for Indian Army, Indian Navy, Indian Air Force, and Defence Space Agency to develop latest technologies
- **R&D Importance:** Need for self-reliance in technology development due to limitations of technology acquisition through offset and FDI
- **Government's Support:** Reserved 75% of defence capital acquisition budget for purchases from local companies including MSMEs.

Shehbaz Sharif Becomes Pakistan's Prime Minister for the Second Time

Context:

- Shehbaz Sharif, a leader of the Pakistan Muslim



Daily Current Affairs Encyclopedia

	<p>League Nawaz (PML-N), has been elected as Pakistan's Prime Minister for the second time.</p> <p>Key points:</p> <ul style="list-style-type: none"> • He secured 201 votes in the election held at the National Assembly, while his opponent Omar Ayub Khan of the Pakistan Tehreek-e-Insaf (PTI) received only 92 votes. • In his victory speech, Shehbaz Sharif emphasized his commitment to revive Pakistan's economy and eradicate terrorism. • Shehbaz Sharif vowed to maintain cordial relations with neighboring countries based on principles of equality and not to involve Pakistan in any geopolitical "great game." • While emphasizing the importance of improving ties with all nations, he also raised the Kashmir issue, urging for solidarity with the Kashmiri and Palestinian causes.
<p>India's 1st Green Hydrogen Plant in Stainless steel sector</p>	<ul style="list-style-type: none"> • Union Minister for Steel and Civil Aviation, Sh. Jyotiraditya M. Scindia, inaugurated India's 1st Green Hydrogen Plant in Stainless Steel Sector virtually. • The plant, located at Jindal Stainless Limited, Hisar, Haryana is a global milestone, being the world's first off-grid Green Hydrogen plant for the stainless steel industry. • It is also the world's first Green Hydrogen plant with rooftop & floating solar. • The project targets a significant reduction in carbon emissions, contributing to a sustainable future. • This project is also a state-of-the-art green hydrogen facility with a target to reduce carbon emissions considerably by around 2,700 Metric Tonnes per annum and 54,000 tons of CO2 emissions over next two decades. • The government encourages "green growth" and "green jobs" to achieve net zero carbon emissions by 2070.



తెలుగు

ADDAPEDIA

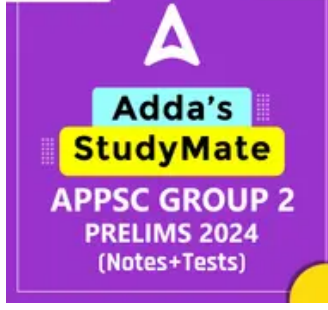
To get free Live Classes,
Materials Scan this QR Code &
Download our Adda247 App



Daily Current Affairs Encyclopedia

NEW LAUNCH

ENGLISH



Copyright © by Adda247

All rights are reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission of Adda247.