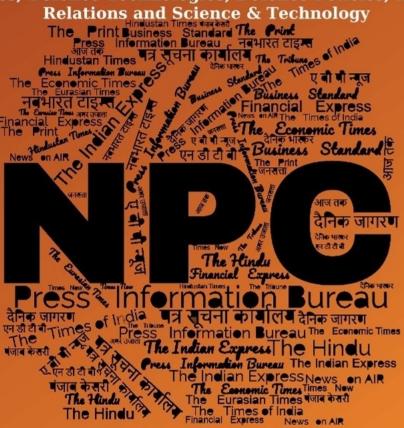
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समाचार पत्रों से चयनित अंश Newspapers Clippings

डीआरडीओ समुदाय को डीआरडीओ प्रौद्योगिकियों, रक्षा प्रौद्योगिकियों, रक्षा नीतियों, अंतर्राष्ट्रीय संबंधों और विज्ञान एवं प्रौद्योगिकी की नूतन जानकारी से अवगत कराने हेतु दैनिक सेवा

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Defence News

VISIT OF INDIAN NAVAL SHIP SAVITRI TO SEYCHELLES FOR JOINT EEZ SURVEILLANCE

Source: PIB, Dt. 22 Nov 2025

Indian Naval Ship (INS) Savitri, an Offshore Patrol Vessel (OPV) of the Indian Navy arrived at Port Victoria, Seychelles as part of its Operational Deployment to the Indian Ocean Region. The ship was accorded warm welcome by the personnel of the Seychelles Coast Guard underscoring the deep mutual respect and strong bilateral relationship between the two nations.

The ship handed over critical spares to Seychelles Coast Guard reaffirming India's unwavering commitment in enhancing the operational readiness and capabilities of its maritime partners, to ensure stability and security in the shared maritime domain.

During her port call, the ship undertook wide range of harbour activities including professional interactions, subject matter expert exchanges and sharing of Best Practices with the Seychelles Coast Guard. The ship was also open for visitors showcasing operational capabilities and the rich maritime traditions of the Indian Navy.

INS Savitri will embark personnel from the Seychelles Coast Guard to collectively undertake a joint Exclusive Economic Zone (EEZ) Surveillance. This collaborative effort aims to substantially enhance maritime security and situational awareness across the maritime zones of Seychelles. The presence of INS Savitri is in consonance with India's vision of 'Mutual and Holistic Advancement for Security and Growth Across Regions' (MAHASAGAR), reinforcing India's steadfast role as a Preferred Security Partner and First Responder in the Indian Ocean.



https://www.pib.gov.in/PressReleasePage.aspx?PRID=2192956

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INDIAN NAVY SET TO COMMISSION MAHE

Source: PIB, Dt. 23 Nov 2025

The Indian Navy will commission Mahe, the first of the Mahe-class Anti-Submarine Warfare Shallow Water Craft (ASW-SWC), at the Naval Dockyard, Mumbai, on 24 Nov 2025. https://www.pib.gov.in/PressReleasePage.aspx?PRID=2190563

The ceremony, hosted by Vice Admiral Krishna Swaminathan, Flag Officer Commanding-in-Chief, Western Naval Command, will be presided over by General Upendra Dwivedi, Chief of the Army Staff.



The commissioning of Mahe will mark the arrival of a new generation of indigenous shallow-water combatants - sleek, swift, and resolutely Indian. With over 80 percent indigenous content, the Mahe-class showcases India's growing mastery in warship design, construction and integration.

She will serve as a 'Silent Hunter' on the Western Seaboard - powered by self-reliance and dedicated to safeguarding India's maritime frontiers.

https://www.pib.gov.in/PressReleasePage.aspx?PRID=2193171

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Naval Exercise: AUSINDEX 2025

Source: Indian Express, Dt. 24 Nov 2025



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IAF- leased US mid-air refueller lands in Agra

Source: The Tribune, Dt. 22 Nov 2025



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नौसेना में आज शामिल होगा पंडुब्बियों का दुश्मन स्वदेशी युद्धपोत माहे

Source: Dainik Jagran, Dt. 24 Nov 2025



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New ships: Navy to break own record

Source: Hindustan Times, Dt. 22 Nov 2025

New ships: Navy to break own records

Shishir Gupta

letters@hindustantimes.com

NEW DELHI: On May 10, the Indian Navy was told to stand down, 200 nautical miles short of Karachi, after India and Pakistan ceased hostilities. It is believed that in a review meeting soon after, Prime Minister Narendra Modi told the Navy that its time would come.

time would come.

On Diwall, Modi spent more than 17 hours on Indian aircraft carrier INS Vikrant watching night-fighter operations and live firing off the coast of Goa. But there's more to New Delhi's renewed focus on its Navy than statements of intent. India's focus on enhancing its maritime military capabilities and power projection in the Indo-Pacific, has meant that the Indian Navy has set a record by launching no less than 12 (Il warships, one submarine) since December 2024.

Today, the duration of warship construction (from keel laying to commissioning) has been reduced to 31 months as opposed to 55-60 months in the past. Guided missile destroyer INS Surat, commissioned by PM Modi, on January 15, was constructed in a mere 3hmonths. If

12 surface and sub-surface combatants is a record — it is — it won't last long with the Indian Navy planning to add 17 ships in 2026. This includes guided missile frigates, next generation offshore patrol vessels, multi-purpose vessels, and anti-submarine warfare vessels.

The Indian Navy is now commissioning one ship in 40 days but the numbers pale in comparison to the US, which does one ship in 18 days, and China, which does one in a week's time. Besides building warships, the Indian Navy is acquiring submarine deterrence with Project 75 I (air-independent propulsion or AIP) submarine set to sign this financial year. Price negotiations are currently underway and the government has set aside some ₹42,968 crore for acquisition of six submarines to be constructed at Mazagon Dockyards Limited with AIP being provided by German firm ThyssenKrupp Maritime Systems under a joint venture. China commissioned its state of the art 80,000 ton Fujian aircraft carrier on November 5, and India is concerned about Beijing helping Islamabad build its Navy with new frigates and submarines.

As of now Pakistan has 53

combatants in its Navy with five submarines (Agosta 90B and Agosta 70), four Zulfquar and four Tughril class frigates, Four Yuan (Hangor) class submarines are being built in Wuhan for delivery to Pakistan in December 2025 and January 2026. Four more Hangbor classes will be constructed in Karachi and delivered end-December 2026 onwards. And Pakistan will get delivery of its Jinnah class frigates in June 2030. Apart from monitoring the Pakistan Navy, India is noting maritime developments in the Indo-Pacific with the Chinese PLAN expanding its area of influence all the way up to Gulf of Aden.

On November 12-14, Indian Navy Chief Admiral Tripathi visited INDO-PACOM headquarters in Hawaii and met the US Indo-Pacific fleet commander Admiral Samuel J Paparo. The two navies have decided to increase the complexity of bilateral exercises, training and port visits keeping the Indo-Pacific in mind. With Indian Navy set to acquire a nuclear attack submarine from Russia in 2028 and 26 Rafale-Marine jets a year later, India's power projection on high seas is set to increase manifolds this decade.



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Since its 1st squarden was raised in 2016, Tejas has had an excellent saftey record

Source: The Times of India, Dt. 22 Nov 2025

Since its 1st squadron was raised in 2016, Tejas has had an excellent safety record

India Has Been Using 4th-Gen Tejas Mark-1 Jets For Airshows Abroad In A Bid To Win Export Orders

▶Continued from P1

The pilot sustained fatal injuries," an officer said. The IAF has ordered a court of inquiry (CoI) to ascertain the exact reason behind the crash after coordinating with Dubai aviation authorities and recovering the "black box" of the ill-fated fighter. "It's very difficult to say what led to the crash at this moment. It could be a sudden loss of power or control malfunction at a critical juncture," said a veteran fighter pilot, who did not want to be named.

"Pilots can also suffer spatial disorientation during negative G-turns when they push the controls forward to make their planes dive, though they are trained to manage and mitigate negative G forces," he added.

Defence minister Rajnath Singh said he was "deeply anguished at the loss of a brave and courageous IAF pilot", adding the nation stands firmly with the bereaved family in this tragic hour. Military aviation is inherently da-

FLIGHT PATH

Aug 1983 | Govt approves Light Combat Aircraft project, with initial Rs 560 crore, to replace ageing MiG-21s

Jan 2001 | 1st prototype flies Dec 2013 | Single-engine Tejas gets Initial Operational Clearance (IOC)

Jan 2015 | IAF gets 1st multirole jet

COST

July 2016 | Raises 1st squadron (Flying Daggers) with only 2 jets

Feb 2019 | Tejas gets final operational clearance (FOC)

May 2020 | IAF raises 2nd squadron (Flying Bullets)

Nov 2025 | Only 38 jets inducted by IAF till now

> Development of IAF/Navy variants, trainers & failed Kaverl engine | ₹17,269

March 2006 contract for 20 Tejas Mark-1 in IOC configuration | 32,813 crore

Dec 2010 contract for 20 Tejas Mark-1 in FOC configuration **₹5,989** crore

> Feb 2021 contract for 83 Tejas Mark-1A | 746,898 crore > Sept 2025 contract for 97

Tejas Mark-1A | 766,500 crofe > Aug 2022 Cabinet Committee

had an excellent safety track-record since its first squad*on '45
Flying Daggers' was raised with
only two jets at Sulur in July 2016
despite its toptomas. despite its torturous develop-

ment saga and excruciating delays. Over the last few years, India has been deploying the fourth-generation Tejas Mark-1 jets for airshows in Dubai, Singa-

on Security (CCS) cleared

prototypes |₹9,000 crore

March 2024 CCS cleared

AMCA (advanced medium

combat aircraft)

₹15,000 crore

development of fifth-generation

development of Tejas Mark-2

pore and other places to show case its "superior handling characteristics and manoeuvrability" through low-level aerobatics to an international audience in a bid to win export orders

IAF, however, has inducted only 38 Tejas Mark-1 fighters, with the second squadron '18 Flying Bullets' deployed at Naliya, of the 40 ordered for Rs 8,802 crore in the 2006-10 timeframe. "Three Tejas jets were sent for the Dubai air show for the No 45 and 18 squadrons," another officer said. IAF has also ordered 180 'improved' Tejas Mark-1A jets for over Rs 1.1 lakh crore, with the latest Rs 66,500 crore deal for 97 jets being inked in Sept this year. The force, however, is yet to begin getting Tejas Mark 1A deliveries due to huge delays in supply of engines from the US as well as pending weapons trials.

The trials involve Astra beyond visual range air-to-air missiles, the advanced short-range air-tomissiles and laser-guided bombs and their integration with Israeli-origin Elta ELM-2052 radar and fire control system.

ngerous, with fighters being pushed to their limits through extensive combat manoeuvres and lowlevel flying and diving missions.

The 13.5-tonne Tejas sofar has

Science & Technology News

Union Minister Dr. Jitendra Singh Addresses the 9th Convocation of the "Academy of Scientific & Innovative Research" (AcSIR), lauds the just over one decade old Institution as One of India's Fastest-Growing Scientific Powerhouses

"i-PhD" program launched by AcSIR in 2023 is a novel academic concept linking imagination and innovation with industry: Dr Jitendra Singh

India moving decisively toward academia-industry linkages that empower young scholars to imagine, innovate, and engage with emerging industrial sectors, says the Minister

AcSIR's Rapid Rise Reflects India's Growing Scientific aspiration, with enabling support from PM Sh Narendra Modi's Leadership: Dr. Jitendra Singh

AcSIR Is Grooming Torchbearers of India's Rise in Deep-Tech, Climate Science, and Frontier Research: Dr. Jitendra Singh

Source: PIB, Dt. 24 Nov 2025

Addressing the 9th Convocation of the Academy of Scientific and Innovative Research (AcSIR) here today, Union Minister of State (Independent Charge) for Science & Technology; Earth Sciences; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr. Jitendra Singh observed that the "i-PhD" program launched by AcSIR in 2023 is a novel academic concept linking imagination and innovation with industry.

AcSIR, though barely over a decade young, has emerged as one of India's most transformative scientific institutions, said the Minister. The Academy has "achieved far more than its age", positioning itself as a national hub that brings together the best of India's scientific talent across CSIR, ICMR, DST, ICAR, MoES, and leading universities, he added.

Dr Jitendra Singh said, India is moving decisively toward academia–industry linkages that empower young scholars to imagine, innovate, and engage with emerging industrial sectors. And therefore, the 'i' in i-PhD stands not only for industry, but also for imagination and innovation. Every i-PhD scholar is mandated to develop a technology relevant to translational research or StartUps, making India's research training directly responsive to industrial needs.

Dr. Jitendra Singh stated that AcSIR represents a "wholesome whole", a convergence of science, education, governance and national aspiration, aligned with India's journey toward a Viksit Bharat. He said that AcSIR's rapid rise reflects the growing prioritisation of science and innovation under Prime Minister

Newspaper Clippings, 22-24/11/2025, Vol. 50, No. 214

Narendra Modi's leadership, where scientific thinking has become central to India's economic growth, technology missions, and global competitiveness.

The Minister highlighted that AcSIR today hosts nearly 7,000 students, mentored by over 3,100 frontline scientists across 79 campuses, making it one of India's most diverse and multidisciplinary research ecosystems. He said the institution has, in effect, grown into a "shared national university", drawing scholars and faculty from across disciplines and across the country, and increasingly serving as a platform for research dialogue, knowledge exchange, and collaborative discovery.

Dr. Jitendra Singh recalled that when AcSIR was established, it represented a bold and novel experiment, an attempt to create an institutionalised pathway for research that transcended conventional academic boundaries. "Many may not have understood the idea at first," he said, "but the rapid growth of campuses and rising demand shows that the country was ready for such an institution."

The Minister added that AcSIR's success lies not merely in administrative support but in the enthusiasm of India's youth, who are choosing research and innovation as a meaningful and aspirational career for StartUp and livelihood. The Minister added that such programs offer researchers a sustainable future, allowing them to contribute to society as entrepreneurs, consultants, and technology developers.

Dr. Jitendra Singh emphasised that as India moves from the world's fifth-largest economy to eventually becoming the world's leading economy, it will be "entirely innovation-driven, technology-driven, and industry-driven." He said AcSIR's scholars will have the opportunity to be "torchbearers of this journey," shaping India's rise in deep-tech, health research, sustainable agriculture, climate science, and frontier technologies.

AcSIR's excellence is reflected in its sharp rise in national and international rankings, including 9th in NIRF 2025 (Research Category), top 3.5% globally in CWUR 2025, 10th in Nature Index, and 9th in Scimago 2025. With over 25,000 publications, numerous patents, and 831 PhDs awarded in 2024 alone, AcSIR has become India's largest doctoral research institution in STEM.

Internationally, AcSIR is expanding its footprint through collaborations with RMIT University, Deakin University, the University of Western Australia, Turku University (Finland), University of Melbourne, AIST (Japan), and others, facilitating joint supervision, dual-degree pathways, and access to global research facilities. The Minister also appreciated AcSIR for building a vibrant intellectual ecosystem through initiatives such as the AcSIR Science Club, the Dr. A.P.J. Abdul Kalam Transdisciplinary Lecture Series, and the annual magazine Bravura, which capture the dynamism and creativity of the student community.

At the outset, Dr. Jitendra Singh acknowledged the presence of distinguished dignitaries, including Chancellor Prof. P. Balaram; Member, NITI Aayog, Dr. V.K. Paul; Mrs. Piramal; Director General, CSIR, Dr. N. Kalaiselvi; and Director, CSIR-IMTECH, Dr. Manoj Dhar. The Minister complimented Prof Dhar for his dynamic leadership and for steering one of the youngest CSIR institutions with vision, energy, and academic inclusiveness.

Concluding his address, Dr. Jitendra Singh said that AcSIR stands at the heart of India's scientific future, young, aspirational, research-intensive, and aligned with national missions. He urged graduating scholars to carry forward the spirit of innovation and contribute to building an India that is technologically self-reliant, globally competitive, and future-ready.

https://www.pib.gov.in/PressReleasePage.aspx?PRID=2193129

US-licensed satellite to lunch on ISRO's LVM-3 rocket next month

Source: Hindustan Times, Dt. 23 Nov 2025

US-licensed satellite to launch on Isro's LVM-3 rocket next month

Snehal Fernandes

letters@hindustantimes.com

MUMBAI: The US-licensed Blue-Bird 6 satellite, among the world's heaviest commercial communications satellite designed for Low Earth Orbit (LEO), is scheduled to launch on Isro's LVM-3 rocket from the Satish Dhawan Space Centre, Sriharikota, on December 15, according a statement from telecom company AST SpaceMobile.

Manufactured at AST Space-Mobile's headquarters in Midland, Texas, the 6,500kg satellite is the first of the firm's next generation satellites. "Our next-generation satellites will soon enable ubiquitous cellular broadMANUFACTURED
AT AST
SPACEMOBILE'S
HEADQUARTERS IN
TEXAS, THE 6,500
KG SATELLITE IS
THE FIRST OF THE
FIRM'S NEXT
GENERATION
SATELLITES

band coverage direct to everyday smartphones from space," said Abel Avellan, founder, chairman and CEO of AST SpaceMobile in a media statement on Friday.

On October 1, a social media

post by AST SpaceMobile said that BlueBird 6 has completed final assembly and testing and is ready for flight. "On October 12, it will head to India aboard an Antonov large cargo plane," it had said.

When launched, it will feature the largest commercial phased array in LEO at nearly 2,400 square feet — a 3.5 times increase in size over previous iterations of BlueBirds and supports 10 times the data capacity, according to AST SpaceMobile.

While Isro has yet to make an announcement on the launch, its chairperson V Narayanan had said last month that BlueBird 6 satellite would be launched in the second week of December.

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The Tribune The Statesman पंजाब केसरी जनसत्ता The Hindu The Economic Times Press Information Bureau The Indian Express The Times of India Hindustan Times नवभारत टाइम्स दैनिक जागरण The Asian Age The Pioneer