

जुलाई
July
2025

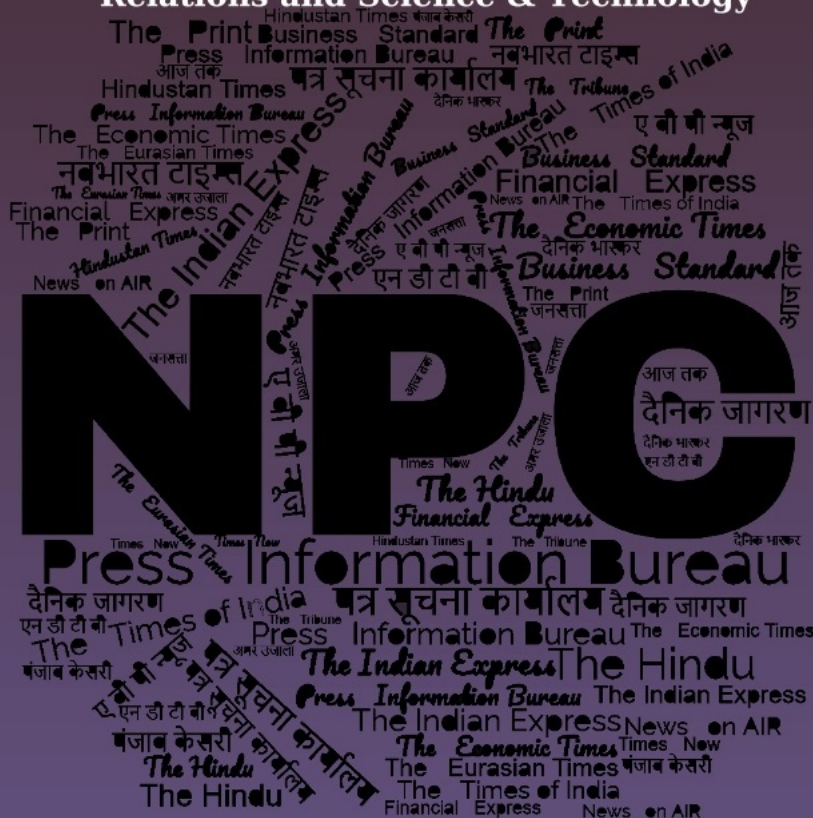
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CONTENTS

S. No.	Title	Source	Page No.
Defence News			1-3
1	India, Israel to work towards developing institutional framework to deepen defence ties	<i>The Pioneer</i>	1
2	Army Plans two days events to mark Kargil Vijay Diwas	<i>The Tribune</i>	2
3	पांचवी पीढी के लड़ाकू विमान खरीद सकती है वायुसेना	<i>Dainik Jagran</i>	3
Science & Technology News			4-6
4	3 Navigation satellites to be launched by 2026	<i>Indian Express</i>	4
5	3 Types of small modular reactors being developed	<i>Indian Express</i>	5

Defence News

India, Israel to work towards developing institutional framework to deepen defence ties

Source: *The Pioneer*, 25 July 2025

India, Israel to work towards developing institutional framework to deepen defence ties

PIONEER NEWS SERVICE
New Delhi

India and Israel on Wednesday concurred to work towards developing an "institutional framework" for further deepening their defence ties. Defence Secretary Rajesh Kumar Singh held a bilateral meeting with Director General, Israel's Ministry of Defence, Major General (Res) Amir Baram in New Delhi during which the two sides agreed to further strengthen the bilateral defence cooperation with a "long-term perspective", officials said.


"They concurred to work towards developing an institutional framework for further deepening of defence ties," the Indian defence ministry said in a statement.

The Israel DG condemned the April 22 terrorist attack in Pahalgam and conveyed "full support for India's fight against terrorism", it said.

Singh reiterated India's zero-tolerance approach to terrorism, condemned the October 7, 2023 terror attacks on Israel and called for the release of all hostages.

The two sides also reviewed the progress of the ongoing defence collaboration activities since the last Joint Working Group meeting held in India in July 2024.

This visit by the DG of Israel's Ministry of Defence marks a "pivotal step in India-Israel defence relations and reinforces both sides' commitment to enhance their strategic partnership", the statement added.



Chief of Army Staff General Upendra Dwivedi with Israel Ministry of Defence Director General Major General (Res) Amir Baram during a meeting in New Delhi

PTI

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Headquarters Integrated Defence Staff (HQ IDS), in a post on X, said Chief of Defence Staff General Anil Chauhan interacted with the DG, Israel's Ministry of Defence, and also shared photos of their meeting.

"Discussions held on global and regional security challenges, enhancing collaboration in advanced technologies, counter-terrorism and strategic planning, reaffirming the robust bilateral #DefenceCooperation. The interaction reflects mutual resolve to strengthen military-to-military engagements and build enduring strategic synergy between both nations," it said.

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Army Plans two days events to mark Kargil Vijay Diwas

Source: The Tribune, 25 July 2025



Preparations underway for the Kargil Vijay Diwas celebrations at a war memorial in Drass. PTI

Army plans two-day events to mark Kargil Vijay Diwas

DRASS (KARGIL), JULY 24

The nation will pay homage to the brave officers and soldiers who laid down their lives while pushing back Pakistani intruders during the Kargil War in 1999.

On the occasion of 26th Kargil Vijay Diwas, three Union ministers including the minister of state for defence are scheduled to visit the Kargil War Memorial here on Friday and lay floral wreath as a tribute to the valiant soldiers as they fought a mix of Pakistani army and terrorists.

The Kargil Vijay Diwas is observed every year on July 26.

The Indian Army has planned a series of events on Friday and Saturday to commemorate the bravery and valor of officers and soldiers who took part in the two-month-long battle with Pakistanis.

After flag hoisting and interaction with the next of kin of the martyrs, there will be cultural performances, including Yak dance.

Artists from various parts of the country will perform a national integration dance. There will be a rendition of patriotic songs before felicitation of the next of kin of the martyrs. Then there will be Beating Retreat and a rendition of the national anthem to mark the closure of the formal celebrations.

The Kargil War Memorial has attracted a large number of tourists over the past two decades.

From a small compound which hosted the first anniversary for the martyrs in 2000, the memorial has come up as one of the best maintained memorials.

The busts of eight national heroes — Major Rajesh Adhikari, Major P Acharya, Major Vivek Gupta, Captain Vikram Batra, Captain Anuj Nayyar, Captain Keishing Clifford Nongrum, Captain Neikezhoue Kenguruse and Lieutenant Manoj Pandey — line up the sides of 'Vijay-path' which leads to the memorial where the national Tricolour flies high.

Captain Batra and Lieutenant Pandey were awarded Param Vir Chakra while the other six martyrs were awarded Mahavir Chakra.

The other "heroes" of the 1999 war — the Bofors guns and QF 25-Pounder guns — are also prominently displayed at the memorial, in recognition of the stellar role they played in targeting the enemy positions. — PTI

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पांचवी पीढ़ी के लड़ाकू विमान खरीद सकती है वायुसेना

Source: Dainik Jagran, Dt. 25 July 2025

पांचवीं पीढ़ी के लड़ाकू विमान खरीद सकती है वायुसेना

नई दिल्ली, एएनआई : भारतीय वायुसेना स्वदेशी एडवांस्ड मीडियम काम्बैट एयरक्राफ्ट (एमसीए) परियोजना के चालू होने तक अपनी मारक क्षमताओं को मजबूत करने के लिए विदेशी स्रोतों से पांचवीं पीढ़ी के लड़ाकू विमानों के दो से तीन स्क्वाड्रन खरीदने पर विचार कर रही है। एक लड़ाकू स्क्वाड्रन में आमतौर पर 18 से 20 जेट होते हैं।

रक्षा सूत्रों ने बताया कि वायुसेना ने हाल ही में सरकार के समक्ष एक विस्तृत प्रस्तुति दी है जिसमें उसने अपने प्रतिद्वंद्वियों पर बढ़त बनाए रखने के लिए भविष्य की आवश्यकताओं को रेखांकित किया है। रक्षा सचिव आरके सिंह की



सुखोई-57



एफ 35 जेट

अध्यक्षता वाली एक अधिकार प्राप्त समिति ने पांचवीं पीढ़ी के लड़ाकू विमानों को शामिल करने की सिफारिश की है। जबकि रिपोर्टों से पता चलता है कि चीन पहले से ही छठी पीढ़ी के लड़ाकू विमानों पर काम कर रहा है और कुछ वर्षों में पाकिस्तान को भी पांचवीं पीढ़ी के लड़ाकू विमान दे सकता है। भारत

जिन दो देशों से पांचवीं पीढ़ी के विमान खरीद सकता है, वे हैं अमेरिका व रूस। अमेरिका ने भारत को एफ-35 लड़ाकू विमान की पेशकश की है तो रूस ने सुखोई-57 विमानों का प्रस्ताव रखा है। भारत में इन इंडिया के तहत 4.5 प्लस पीढ़ी के लड़ाकू विमान बनाने की योजना पर भी विचार कर रहा है।

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Science & Technology News

3 Navigation satellites to be launched by 2026

Source: Indian Express, Dt. 25 July 2025

3 navigation satellites to be launched by 2026

ANONNA DUTT

NEW DELHI, JULY 24

ISRO will launch three navigation satellites for its Indian Regional Navigation Satellite System (IRNSS) by next year, according to a reply in Parliament by the Union MoS for Space Dr Jitendra Singh.

The first of the three, NVS-03, is scheduled to be launched by year-end. The other two, NVS-04 and NVS-05, will be launched after that “with a gap of six months,” as per data.

Only four of India’s seven satellite navigation systems continue to provide location data, the reply said. The IRNSS was envisioned as a seven-satellite constellation that could provide navigation services over the Indian

landmass and a radius of 1,500km around it.

So far, 11 satellites have been launched for the IRNSS constellation. Of these, two failed to reach the intended orbit. In what was ISRO’s 100th launch, NVS-02 was sent to space in January this year, but the further orbit raising manoeuvres needed to put the satellite in the proper orbit could not be completed because of a technical glitch.

The other IRNSS-1H satellite was lost in 2017 when heat shield did not open for the deployment of the satellite. While one of the satellites was decommissioned after end of its mission life, four others are in use only for one-way message broadcast like the ones used by government for providing info during a natural disaster.

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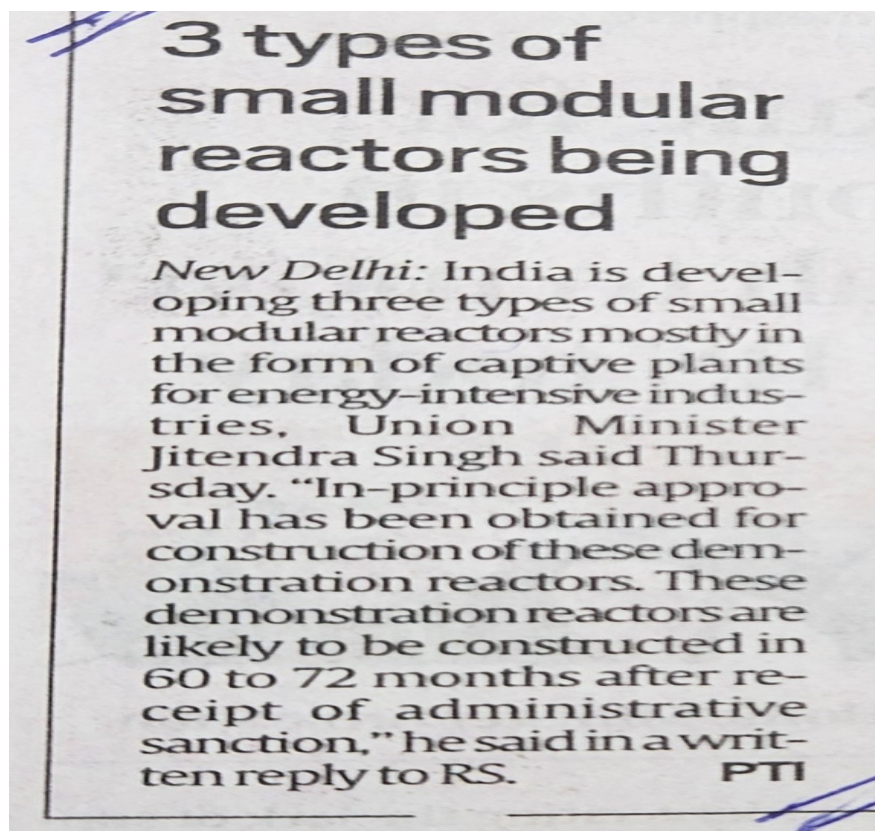
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3 Types of small modular reactors being developed

Source: Indian Express, Dt. 25 July 2025



India is developing three different types of small modular reactors (SMRs), including one dedicated to the production of hydrogen, mostly in the form of captive plants for energy-intensive industries, Union minister Jitendra Singh said on Thursday. In a written reply to the Rajya Sabha, Singh said the three types of SMRs, 200 MWe Bharat Small Modular Reactor (BSMR), 55 MWe SMR and 5

MWth High Temperature Gas Cooled Reactor, for the production of hydrogen are being designed and developed indigenously.

"In-principle approval has been obtained for the construction of these demonstration reactors. These demonstrationS reactors are likely to be constructed in 60 to 72 months after receipt of administrative sanction of projects," he said. The minister said the lead units of BSMR and SMR are planned to be installed at Department of Atomic Energy (DAE) sites in collaboration with Nuclear Power Corporation of India Limited (NPCIL). "An estimate prepared based on the experience of setting up of 220 MWe plants indicates that the overall cost for the lead unit of 200 MWe Bharat Small Modular Reactor (BSMR-200) will be about Rs 5,750 crore," said Singh, the Minister of State in the Prime Minister's Office that oversees the DAE.

A 5 MWth high temperature Gas Cooled Reactor (GCR) is also planned to be used exclusively for hydrogen production by coupling with a suitable thermochemical hydrogen production process, he said. The potential thermo-chemical technologies for hydrogen production, such as Copper-Chloride (Cu-Cl) and Iodine-Sulphur (I-S) cycles, have already been developed and demonstrated by the Bhabha Atomic Research Centre (BARC), Singh said. Necessary technology for the deployment of these reactors is available in the country and the majority of equipment is within the manufacturing capability of the Indian industry with technological handholding by the DAE, he said.

"These plants are designed & developed considering deployment as captive power plants, repurposing of retiring fossil fuel-based plants and hydrogen production to support the transport sector with the prime objective of decarbonisation," Singh said.

Presently, the installed nuclear power capacity in the country comprises 25 reactors with a total capacity of 8,880 MW, including RAPS-1 (100 MW), which is under long-term shutdown. Two units of 700 MWe each - Kakrapar Atomic Power Station (KAPS) 3 and 4 and one 700 MWe unit at Rajasthan Atomic Power Project (RAPP-7) have already commenced commercial operation. At present, 18 reactors with a total capacity of 13,600 MW, including 500 MW Prototype Fast Breeder Reactor implemented by BHAVINI, are at various stages of implementation. On the progressive completion of these units, the installed nuclear power capacity will reach 22,480 MW, Singh said. PTI

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The Tribune
The Statesman
ਪੰਜਾਬ ਕੇਸਰੀ ਜਨਸਤਾ
The Hindu
The Economic Times
Press Information Bureau
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