



# Defence Professionals News & Analysis

January 30, 2025 | Day 030

## Top Gainers

Stock	Close	Prev	Change
LOKESHMACH	289.9	267.65	+8.31%
AZAD	1497.15	1419.8	+5.45%
SOLARINDS	10063.7	9568.55	+5.17%
NIBE	1384.7	1318.8	+5.0%
APOLLO	130.59	124.53	+4.87%

## Top Losers

Stock	Close	Prev	Change
ADANIENT	2252.6	2318.6	-2.85%
ROSSELLIND	67.53	68.77	-1.8%
DCXINDIA	318.85	324.1	-1.62%
TEMBO	668.8	678.3	-1.4%
MARINE	200.35	202.85	-1.23%

## Defense Business and Industry

### Keel Laid for Seventh Mahe Class Anti-Submarine Vessel in Kochi



30-Jan-25

The keel laying ceremony for the seventh Indian Navy Mahe Class Anti-Submarine Warfare Vessel (BY 529, Machlipatnam) was held on January 29, 2025, at Cochin Shipyard Limited, marking a significant advancement in India's naval capabilities. This project, part of the government's Aatmanirbhar Bharat initiative, emphasizes indigenous manufacturing, with major systems sourced locally. The Mahe class vessels, designed for anti-submarine operations, will enhance the Navy's operational effectiveness while providing substantial employment in the domestic defense industry. The continued development and delivery of these ships underscore India's commitment to strengthening its maritime defense capabilities in the face of evolving security challenges.

### Cabinet Approves ₹10,000 Crore for Pinaka Rocket Ammunition



30-Jan-25

The Cabinet Committee on Security has approved over Rs 10,000 crore for ammunition acquisition for the Indian Army's Pinaka multi-barrel rocket launcher systems. This includes high-explosive and area denial munitions, with production shared between Solar Industries and Munitions India Limited. The Pinaka rockets, effective at both the Pakistan and China borders with a range of around 45 km, exemplify India's commitment to indigenous defense capabilities, with the DRDO also developing a 120 km strike version. The

Pinaka system has garnered international interest, including purchases by Armenia and interest from European nations, highlighting its success in both operational and export markets.

### GRSE and AMS Join Forces for Indigenous Underwater Weapons Development



30-Jan-25

Garden Reach Shipbuilders and Engineers (GRSE) Ltd has signed a Memorandum of Understanding (MoU) with Apollo Micro Systems Ltd (AMS) to collaborate on the research, development, and production of underwater weapons and communication systems. This partnership aims to enhance indigenous capabilities in line with the Government's Atmanirbhar Bharat initiative, catering to the needs of the Indian Armed Forces and other agencies. GRSE has previously delivered advanced vessels to the Defence Research and Development Organisation and is expanding its production capabilities, which includes modernizing existing systems. This collaboration underscores India's commitment to self-reliance in defense technology and bolsters its strategic defense infrastructure.

### BEL Secures Rs. 531 Crore Orders, Strengthening India's Defense



30-Jan-25

Bharat Electronics Limited (BEL) has secured new orders worth Rs. 531 crore, boosting its total order book to Rs. 10,893 crore for the financial year. These contracts include an Advanced Composite Communication System for naval operations, communication equipment for enhanced connectivity, and Electro-Optics Systems for surveillance and

targeting, along with medical electronics. BEL's diverse capabilities reinforce its critical role in supporting the Indian Armed Forces and advancing the "Aatmanirbhar Bharat" initiative. With a strong focus on indigenously developed technology across multiple domains, BEL exemplifies India's commitment to strengthening its defense capabilities and achieving self-reliance in the defense sector.

## **DroneAcharya Wins ₹18.7 Lakh Contract for Army Drone Training Lab**



30-Jan-25

DroneAcharya Aerial Innovations has secured an INR 18.7 lakh contract with the Indian Army to establish a specialized Drone Training Lab, set to be completed by March 2025. This initiative aims to enhance the army's operational capabilities through tailored drone training, enabling personnel to effectively utilize drones for surveillance, reconnaissance, and logistical support. The collaboration signifies a commitment to advancing drone technology within the defense sector, aligning with the Indian Army's focus on modernization. This partnership underscores the potential for future innovations in military operations, ultimately enhancing situational awareness and response times while minimizing risks to personnel during critical missions.

## **India Set to Finalize Rafale-M and Scorpene Deals with France**



30-Jan-25

India is poised to finalize the procurement of 26 naval Rafale jets and three Scorpene submarines from France, enhancing its naval capabilities ahead of Prime Minister Modi's upcoming Paris visit for an AI summit. This move follows the July 2023 approval for 22 Rafale marine jets and three Scorpene submarines, with the latter already being constructed in India under Project 75. The deals signify a strengthening of Indo-French defense ties, focusing on joint development and production of advanced military technologies. The Indian Air Force is also contemplating an expansion of its Rafale fleet, indicating a strategic push towards enhancing aerial combat readiness.

## **Indian Navy's P75(I) Submarine Program Gains Momentum**



30-Jan-25

The Indian Navy's P75(I) submarine program is advancing as the joint bid from Mazagon Dock Shipbuilders Limited and Germany's ThyssenKrupp Marine Systems has been identified as the sole compliant proposal for the ₹70,000 crore project, with

the competing bid from Larsen & Toubro being disqualified. This program is crucial for enhancing India's naval capabilities in the Indo-Pacific region and aims for the first submarine to be delivered within seven years, with operational readiness by 2032. The integration of Air-Independent Propulsion technology is vital for strategic advantages in contested waters, marking a significant step towards self-reliance in defense manufacturing and boosting India's maritime security in the face of rising challenges.

## **India Ranks Fourth in Global Air Power, Showcasing Strength and Modernization**



30-Jan-25

India has secured the fourth position in the global air power rankings by globalfirepower.com, coming after the United States, Russia, and China, with an impressive aircraft inventory of 2,296 including fighter jets, helicopters, and support aircraft. This ranking highlights India's commitment to modernizing its air force amid regional security challenges, showcasing a diverse mix of aircraft sourced from Russia, France, and indigenous production, such as the Tejas and Rafale jets. The report emphasizes a global trend where nations are prioritizing air superiority, reflecting the ongoing arms race in advanced military technology, such as stealth and electronic warfare capabilities.

## **Adani Defence Begins Low Rate Production of GAURAV Glide Bomb**



30-Jan-25

Adani Defence has confirmed the commencement of Low Rate Initial Production (LRIP) for the Long Range Glide Bomb, GAURAV, enhancing India's airstrike precision capabilities. This 1,000 kg class glide bomb features a hybrid navigation system, ensuring accuracy even in GPS-denied environments. Developed by the Defence Research and Development Organisation (DRDO) in Hyderabad, GAURAV's LRIP phase is crucial for testing and integration with the Indian Air Force's platforms, ensuring operational readiness prior to full-scale production. This advancement not only boosts India's indigenous defense manufacturing but also strengthens its strategic deterrence in modern warfare scenarios.

## **AMCA: A Game-Changer in Affordable 5th-Gen Fighter Jets**



30-Jan-25

India's Advanced Medium Combat Aircraft (AMCA) program is on track to produce its first prototype by late

2026 or early 2027, aiming to deliver a cost-effective 5th-generation fighter jet for the Indian Air Force and potential global markets. The AMCA is designed to incorporate advanced features such as stealth, sensor fusion, and superior avionics while being competitively priced compared to its peers like the F-35 and J-20. The innovative public-private partnership model is expected to enhance manufacturing efficiency and provide a value-driven alternative for nations seeking to modernize their air forces without overspending. Overall, the AMCA's strategic affordability and capabilities position it as a formidable contender in the global fighter jet market.

## Rafale M Trainer's Limitations May Challenge MiG-29KUB Operations



30-Jan-25

An anonymous Indian Naval official voiced concerns regarding the Rafale M fighter jet's suitability for aircraft carrier operations, citing limitations like non-foldable wings that hinder storage and manoeuvrability on INS Vikramaditya and INS Vikrant. The official noted that the Rafale M's trainer variant is land-based, depriving pilots of essential carrier experience, and drew parallels to the MiG-29K acquisition, suggesting that cost and logistical factors may have compromised operational efficiency. While the Rafale M enhances combat capabilities, these design flaws raise questions about future fleet composition and the need for additional modifications or simulation investments to ensure effective naval operations.

## Dynamatic Welcomes Airbus for Gemba Review, Boosts Aerospace Production



30-Jan-25

Dynamatic Manufacturing Limited recently hosted Airbus project managers for a Gemba review of the Airbus PAG Profiles Project, marking a significant advancement in Indian aerospace manufacturing. The visit included the inauguration of new machinery to boost production capacity and the launch of series production, signaling a milestone in the project lifecycle. Dynamatic's receipt of an Airbus Plaque for First Article Inspection Approval underscores its commitment to quality and excellence, positioning it as a leader in precision aerospace manufacturing. This collaboration exemplifies the strengthening partnership between Indian manufacturers and global aerospace leaders, enhancing India's role in the global defense and aerospace supply chain.

## New R&D Fund Boosts Innovation and Self-Reliance in Defense



30-Jan-25

India's defense sector is set to benefit from a proposed dedicated Research and Development (R&D) fund aimed at fostering innovation and self-reliance under the Atmanirbhar Bharat initiative. This fund would support not only state-run organizations like DRDO but also private sector firms, startups, and academic institutions, addressing critical gaps in advanced military technologies. By promoting collaboration and providing financial backing for high-risk projects, the initiative seeks to enhance India's capabilities in areas such as AI, cyber defense, and UAVs. Learning from successful models in nations like the US and Israel, this fund is essential for positioning India as a leader in global defense technology.

## IG Drones Lands Indian Army Contract for Indigenous VTOL and FPV Drones



30-Jan-25

Indian startup IG Drones has secured a deal to supply Vertical Take-Off and Landing (VTOL) and First-Person View (FPV) drones to the Indian Army, enhancing self-reliance in defense manufacturing under the Make in India initiative. This move addresses security concerns following an incident where a drone with potential foreign components was hijacked near the Line of Control. The fully indigenous VTOL and FPV drones, designed for rugged terrains, enhance operational capabilities with features like real-time video transmission for improved situational awareness. This development signifies a strategic shift towards complete control over defense technologies, mitigating risks of cyber espionage and operational vulnerabilities associated with foreign systems.

## F-35A to Showcase Static Display at Aero India 2025



30-Jan-25

The United States Air Force has confirmed that the F-35A Lightning II will only participate in a static display at Aero India 2025, foregoing flight demonstrations. This decision highlights the complexities of international military exhibitions and may reflect various strategic considerations, such as operational commitments or diplomatic factors. Despite the lack of aerial displays, the presence of F-35s at one of Asia's largest air shows underscores the growing defense partnership between India and the U.S., especially as the Indian Air Force seeks to modernize its fleet. Such static displays remain crucial for showcasing advanced

technology and can still influence India's defense procurement decisions.

## TKMS's IDAS Boosts Stealth for India's P-75I Submarines

 SHARE

30-Jan-25

Thyssenkrupp Marine Systems (TKMS) and Diehl Defence have developed the Interactive Defence and Attack System (IDAS), enhancing submarine stealth by allowing submerged submarines to neutralize airborne threats without surfacing. This technology, which utilizes existing torpedo tubes to launch a fiber-optic guided missile, could significantly elevate the defensive capabilities of India's Project-75I submarines, currently under development with TKMS. The integration of IDAS would bolster the Indian Navy's operational effectiveness amid evolving threats in the Indian Ocean Region, showcasing India's commitment to modernizing its naval forces and enhancing maritime security. This advancement represents a pivotal step in countering anti-submarine warfare capabilities traditionally posed by aerial systems.

## HAL's HLFT-42: A Versatile Trainer and Combat Fighter for \$20M

 SHARE

30-Jan-25

Hindustan Aeronautics Limited (HAL) is set to introduce the HLFT-42, a dual-role aircraft designed for advanced training and light combat, featuring an Active Electronically Scanned Array (AESA) radar. Priced around \$20 million, the HLFT-42 offers customization and adaptability, making it attractive to international buyers. This new entrant not only enhances India's aerospace capabilities but also positions HAL as a competitive player in the global defense market. The HLFT-42's advanced features and flexible configurations promise to meet diverse operational needs, reinforcing India's commitment to self-reliance in defense technology and enhancing its strategic standing internationally.

## Geopolitics and Security Alliances

### India-Indonesia Defense Ties Strengthen Amid BrahMos Deal Delays

 SHARE

30-Jan-25

India and Indonesia are advancing their bilateral ties, particularly in defense, as evidenced by discussions surrounding a potential BrahMos missile deal. Despite delays in finalizing the multi-million-dollar agreement,

Jakarta's impending defense delegation visit to Delhi indicates a commitment to resolve outstanding issues. Indonesia's strategic interest in enhancing its military capabilities, amid regional security concerns related to China's assertiveness, is underscored by a recent high-level visit to BrahMos Aerospace, where capabilities of the missile system were showcased. While logistical and technical negotiations, including technology transfer agreements, remain to be resolved, this potential deal marks a significant step in India's strategy to establish itself as a regional defense partner and exporter in Southeast Asia, emphasizing mutual interests in enhancing regional security dynamics.

## Bangladesh to Address "Uneven" Border Deals with India in Talks

 SHARE

30-Jan-25

Bangladesh's interim government plans to challenge perceived "uneven" border agreements with India at the upcoming BGB-BSF DG-level talks in Delhi from February 17 to 20. Key discussion points include border management, the killing of Bangladesh nationals, Indian infiltrations, and the establishment of immigration checkpoints at Kulaura Railway Station. Bangladesh also seeks to address issues related to smuggling, unapproved developments by India near the border, and the installation of water treatment facilities for wastewater. The dialogue aims to foster mutual trust and goodwill between the two nations, highlighting the importance of coordinated border management and respecting bilateral agreements.

## Jaishankar Praises US-India Ties, Calls Trump American Nationalist

 SHARE

30-Jan-25

External Affairs Minister S. Jaishankar emphasized the strong ties between India and the US, describing President Trump as an American nationalist while acknowledging potential shifts in global diplomacy. He underscored that India's foreign policy would remain focused on national interests despite differing views on certain issues. Jaishankar highlighted the personal rapport between Prime Minister Modi and Trump, enhancing bilateral relations and reflecting on India's growing global influence. The minister also noted the reliance of Indians abroad on their homeland, reinforcing India's role as a supportive caretaker for its diaspora. This perspective reinforces India's strategic positioning in a changing global landscape.

## Canadian Report Exonerates India in Nijjar Killing, Trudeau's Claims Unfounded



30-Jan-25

A Canadian commission report has cleared India of any direct involvement in the killing of Hardeep Singh Nijjar, contradicting Prime Minister Justin Trudeau's allegations of Indian agents' involvement. While the report suggested disinformation may have been used in response to Trudeau's claims, it found no definitive links to India. Tensions between India and Canada escalated following these allegations, with both countries expelling diplomats. India has rejected Trudeau's statements and accused Canada of interfering in its internal affairs, particularly regarding the Khalistan movement, which India considers a threat. This situation underscores the complexities of international relations and the challenges posed by diaspora politics.

## Strengthening US-India Defense Ties: A \$25 Billion Opportunity



30-Jan-25

The Trump administration is intensifying its push for India to enhance military procurement from the US, with recent deals surpassing \$25 billion since 2007. Key negotiations include co-production of General Electric F414 engines for the Tejas Mark-II and potential joint manufacturing of the Stryker infantry vehicle. Despite US pressure, India emphasizes its "Make in India" initiative, aiming to foster domestic production and reduce reliance on imports as it seeks to modernize its military. With major acquisitions and collaborations on the horizon, India strategically balances foreign partnerships while advancing self-reliance in defense technology.

## Jaishankar's UAE Visit Bolsters India-UAE Strategic Partnership



30-Jan-25

External Affairs Minister S. Jaishankar's recent visit to the UAE significantly reinforced the Comprehensive Strategic Partnership between India and the UAE, with discussions focusing on enhancing cooperation in technology, defense, education, and culture. Highlighting the role of the Indian diaspora, which constitutes 35% of the UAE's population, Jaishankar emphasized India's commitment to improving the living conditions of Indian nationals abroad. His keynote address at the Raisina Middle East conference underscored the importance of India-UAE engagement in a shifting global landscape. This visit marks a crucial

step in solidifying ties, reflecting the upward trajectory of relations established since 1972, while paving the way for future collaborations.

## Military Operations

### BSF Woman Constable Foils Major Infiltration Attempt at Border



30-Jan-25

A brave woman constable of the Border Security Force (BSF) successfully thwarted a significant infiltration attempt by armed Bangladeshi nationals along the Indo-Bangladesh border in West Bengal's Malda district. While on duty, she spotted the group approaching the border fence and, displaying extraordinary courage, warned them and fired a shot to prevent a breach. Her swift actions not only defended the integrity of the border but also underscored the capability and bravery of BSF Mahila Constables in combating cross-border criminal activities, showcasing their vital role in national security and border management. This incident reflects the dedication of the forces in securing India's borders against illegal incursions.

### Joint forces launch search operation against terrorists in Doda



30-Jan-25

Joint forces, including the police and CRPF, initiated a search operation in Doda district, J&K, following local reports of suspected terrorist movements. This comes after extensive searches in Rajouri to dismantle networks of Overground Workers linked to groups like Jaish-e-Mohammed and Lashkar-e-Taiba, resulting in the recovery of incriminating materials. The heightened vigilance is a response to recent terrorist attacks that claimed civilian and military lives, underscoring the urgent need for operational readiness. The proactive measures taken by security forces exhibit India's commitment to counter-terrorism and maintaining peace in the region, reinforcing the importance of community cooperation in providing actionable intelligence.

## Terrorism and Counterterrorism

### Delhi High Court Upholds Five-Year Ban on Separatist SFJ Group SHARE

30-Jan-25

The Delhi High Court Tribunal has reaffirmed a five-year ban on the pro-Khalistan separatist group Sikhs For Justice (SFJ), highlighting its severe subversive activities, including threats to top Indian leaders and attempts to incite violence through online campaigns. The government presented evidence linking SFJ to terrorism, recruitment of youth, and collaboration with Pakistani ISI operatives, particularly targeting India's internal security during events like the G-20 Summit. Intelligence reports indicate SFJ's efforts to destabilize peace and unity in India, which underscores the vigilance required against such extremist elements. The ruling reinforces India's commitment to uphold sovereignty and national integrity against separatist threats.

### NIA Arrests Key ISIS Recruiter in Tamil Nadu Raids SHARE

30-Jan-25

The National Investigation Agency (NIA) arrested a key suspect, Alphazith, linked to ISIS recruitment in Tamil Nadu during simultaneous raids in Chennai and Mayiladuthurai. Targeting areas associated with banned Islamist organizations, the NIA's ongoing investigations reflect its commitment to counter-terrorism and national security, especially following past incidents involving the now-banned Popular Front of India (PFI). The agency's proactive measures underscore the importance of intelligence-led operations to thwart radicalization efforts, thereby safeguarding India's democratic framework and societal integrity. These operations highlight the NIA's crucial role in dismantling networks that pose threats to the nation's security landscape.

## Cybersecurity and Information Warfare

### Trump Investigates DeepSeek: AI App Raises U.S. Security Fears SHARE

30-Jan-25

Recent concerns have emerged in the U.S. regarding DeepSeek, a Chinese AI startup that rapidly gained popularity while allegedly posing national security risks

by storing U.S. user data in China. With its advanced AI capabilities challenging U.S. giants like OpenAI, DeepSeek's methods of "distillation"—learning from established AI models—have raised alarms about potential intellectual property violations. U.S. officials, including President Trump, indicate serious scrutiny over DeepSeek, reflecting the broader geopolitical tension around technology dominance between the U.S. and China. Experts argue that blocking such practices may be difficult given the open-source nature of many AI models, suggesting that a robust export control and intellectual property framework is crucial for maintaining U.S. leadership in AI technology.

### Hyderabad police arrest 52 cyber fraudsters, including bank staff. SHARE

30-Jan-25

A major crackdown by Hyderabad police has led to the arrest of 52 cyber criminals across multiple states, including three bank officials implicated in aiding fraud schemes. The operation uncovered 576 cases of digital and investment fraud, resulting in a loss of Rs 88.32 crores, with only Rs 3 crores recovered so far. The rising sophistication of cybercrime in India, often involving inside assistance from banking professionals, highlights the urgent need for improved cybersecurity and banking oversight. This operation serves as a critical reminder for individuals to exercise vigilance in online financial transactions amidst growing digital threats.

### India to Host China's DeepSeek AI, Enhancing Data Security SHARE

30-Jan-25

Indian servers will host China's DeepSeek AI to address privacy concerns, as stated by Union Minister Ashwini Vaishnaw. This initiative aims to mitigate user safety issues related to cross-border data transfers. With significant progress in the IndiaAI Mission, the country has secured 18,693 GPUs, surpassing initial targets, and plans to invest \$30 billion in hyperscalers and data centers in the next few years. The establishment of a common computing facility will further support AI projects. While DeepSeek offers a potential alternative to ChatGPT, concerns regarding its data handling practices have emerged, prompting scrutiny from European consumer groups. This move signals India's growing capabilities in AI while prioritizing data security.

## Miscellaneous

### Hamis Releases Three Israeli Hostages in Prisoner Exchange SHARE

30-Jan-25

Three Israeli hostages, Agam Berger, Arbel Yehud, and Gadi Moses, were handed over by Hamas as part of a prisoner exchange that includes the release of 110 Palestinian prisoners, some of whom are serious offenders. This exchange, part of a broader ceasefire agreement following the conflict that began on October 7, 2023, highlights the ongoing tensions and complex dynamics in the region. The Israel Prison Service is operationally prepared for the release, indicating a structured approach to this sensitive negotiation. While this exchange represents a moment of relief for Israeli families, with over 250 hostages initially taken and ongoing military operations in Gaza, the situation remains precarious, underscoring the need for continued diplomatic efforts and strategic planning in addressing the humanitarian and security challenges in the region.

### US Suspends Foreign Aid to India Amid Policy Review SHARE

30-Jan-25

The United States has suspended all foreign aid, including approximately USD 175 million allocated to India, as part of a review to align assistance with its "America First" foreign policy. This decision, initiated by Secretary of State Marco Rubio following President Trump's executive order, aims to ensure that foreign aid effectively serves U.S. national interests and is justified in terms of safety, strength, and prosperity. The move reflects a significant shift in U.S. foreign assistance strategy, emphasizing a more stringent evaluation of funding allocation. This could impact U.S.-India relations, highlighting the need for India to strengthen its own defense capabilities and seek alternative partnerships for strategic support.

### International Manhunt Captures Two Indian Financial Fraudsters SHARE

30-Jan-25

Two fugitives wanted in significant financial fraud cases in India have been apprehended following international manhunts coordinated by the CBI. Janarthanan Sundaram, accused of a Rs 87 crore ponzi scheme, was deported from Thailand and arrested upon arrival in Kolkata, while Virendrabhai Patel, linked

to a Rs 77 crore fraud, was detained at Ahmedabad airport after returning from the US. Both were wanted under Interpol Red Notices and were successfully brought back through close cooperation between various Indian authorities and international bodies. This operation underscores India's commitment to tackling financial crimes and enhancing global collaboration in law enforcement.

### American Airlines Flight Crashes Near Reagan Airport; Rescue Underway SHARE

30-Jan-25

An American Airlines plane with 64 people on board crashed near Reagan National Airport in Washington, D.C. Emergency services are engaged in search and rescue operations in the Potomac River, while the FAA has temporarily halted all flights at the airport. Initial reports suggest potential fatalities, but exact numbers are unconfirmed. The U.S. Army noted that three soldiers were on the helicopter involved. This tragic event highlights significant concerns regarding aviation safety protocols in busy airspace, prompting a comprehensive investigation by the National Transportation Safety Board. President Trump has expressed condolences and acknowledged the efforts of first responders in managing the crisis.

### Kash Patel Faces Senate Judiciary Committee for FBI Director Hearing SHARE

30-Jan-25

Kash Patel is set to appear before the Senate Judiciary Committee on January 30, 2025, for his confirmation hearing as FBI Director, following his nomination in November 2024. While Republican senators support him as a necessary reformer against perceived political bias in the FBI, Democratic senators express concerns about his past inflammatory remarks and close ties to Trump, raising questions about his leadership capability and the independence of the bureau. The outcome of this hearing is crucial, as it could determine whether his nomination advances to a full Senate vote amid a divided Senate on the issue.

### Ro Khanna and Rich McCormick to Lead New US-India Caucus SHARE

30-Jan-25

Ro Khanna and Rich McCormick are set to co-chair the newly formed U.S.-India Caucus in Congress, signaling a bipartisan effort to strengthen economic and defense ties between the two nations. This initiative highlights the increasing recognition of India's significant role in

global affairs and the influence of the Indian American community in U.S. politics. Khanna's personal connection to India, rooted in his grandfather's involvement in the independence movement, adds depth to his commitment. Overall, this collaboration reflects a strategic alignment beneficial for both countries, especially considering the current geopolitical climate.

## **Finnish Envoy Encourages Indian Start-Ups to Collaborate for Growth**



30-Jan-25

The Finnish envoy, Lahdevirta, expressed optimism about the growing collaboration between Indian and Finnish start-ups, highlighting the substantial opportunities within India's vibrant start-up ecosystem. He urged Indian entrepreneurs to seek partnerships with Finnish firms to boost their growth potential. This initiative reflects a broader ambition to strengthen technological and innovative ties between Finland and India, leveraging each country's unique strengths. Such cooperation could enhance India's defense capabilities through technology transfers and innovative solutions, aligning with India's strategic objective of self-reliance in defense production while fostering international partnerships for mutual growth.

## **NISAR Mission Set for Launch in March 2025, Says ISRO Chief**



30-Jan-25

India's NISAR mission, set for a March 2025 launch, represents a significant advancement in Earth observation technology, utilizing a sophisticated combination of ISRO's L-band and NASA's S-band radars at an estimated cost of \$1.5 billion. This mission aims to revolutionize monitoring ecosystems, climate change, and land use by capturing high-resolution images that detect even minor shifts in the Earth's surface. Additionally, ISRO's ambitious 2025 schedule includes various other launches, such as an advanced navigation satellite and a humanoid robot for the Gaganyaan mission. The successful implementation of NISAR will further enhance India's stature in global space endeavors and environmental stewardship.

## **China's Covert Nuclear Fusion Center Sparks Regional Security Concerns**



30-Jan-25

Recent satellite images reveal that China is secretly constructing a substantial nuclear fusion research center, raising alarms about its potential dual-use

capabilities for both nuclear weapons development and clean energy generation. Experts warn that this facility could enhance China's nuclear arsenal, projected to expand from 410 to approximately 500 warheads by early 2024, posing a strategic challenge to India, which has only around 172 warheads. This development underscores the need for India to reassess its defense strategies, particularly given China's increasing technological prowess and ambitions in both military and energy sectors, potentially destabilizing regional security dynamics.

## **India's GSLV-F15 Launches NVS-02, Boosting NavIC Capabilities**



30-Jan-25

India has successfully launched the NVS-02 satellite aboard the GSLV-F15 rocket from the Satish Dhawan Space Centre, further enhancing its Navigation with Indian Constellation (NavIC) system. This satellite supports India's strategic positioning capabilities, providing services across India and surrounding regions, positioning NavIC as a competitive alternative to established systems like the US GPS and China's BeiDou. The launch underscores India's growing capabilities in space technology and its commitment to establishing a robust indigenous navigation system, showcasing its advancements in the defense and aerospace sectors, while also reinforcing its geopolitical stance in an increasingly competitive global environment.

## **Six Tamil Nadu Fishermen Freed from Sri Lankan Custody**



30-Jan-25

Six fishermen from Tamil Nadu's Rameswaram were released from a Sri Lankan prison after their arrest for allegedly crossing the maritime border while fishing. Their release was facilitated by the intervention of both the Central and State governments, following a request from Tamil Nadu Chief Minister M K Stalin to Union External Affairs Minister S Jaishankar. The fishermen arrived at Chennai airport and were assisted by state officials for their return home. This incident highlights the ongoing maritime tensions between India and Sri Lanka, but the swift diplomatic response reflects India's commitment to protecting its citizens and maintaining regional relations.

## Rosatom delivers reactor vessel for Kudankulam NPP Unit 6, boosting India-Russia energy ties. SHARE

30-Jan-25

Rosatom has shipped a VVER-1000 reactor vessel for Unit 6 of the Kudankulam Nuclear Power Plant (NPP) in India, marking a significant milestone in India-Russia energy collaboration. The Kudankulam NPP, India's largest, will enhance energy security with a total capacity of 6,000 megawatts across six units. The continuous development of advanced reactors demonstrates a commitment to safety and efficiency, with ongoing projects indicating strong bilateral ties in nuclear technology. This collaboration not only strengthens India's energy infrastructure but also positions it strategically in the global nuclear landscape, showcasing the reliability and proven track record of VVER technology.

## Russian Security Discovers Radioactive Thorium-232 from India Tourist SHARE

30-Jan-25

At Moscow's Domodedovo Airport, security officials seized a bottle of radioactive Thorium-232 from a tourist claiming it was volcanic beach sand collected in India. The radioactive levels were fifteen times above permissible limits, raising significant health concerns. This incident highlights the risks of inadvertently transporting radioactive materials and the need for better awareness regarding natural resources collected from areas with mineral content, particularly in India. The swift actions taken by Russian authorities demonstrate the importance of rigorous international screening processes, and discussions with Indian authorities may help prevent similar occurrences in the future.

## SpaceFields Celebrates Success with AeroSpike Engine Hot-Firing SHARE

30-Jan-25

SpaceFields has successfully conducted a hot-firing test of its innovative AeroSpike solid rocket engine at the Indian Institute of Science, marking a significant milestone in India's propulsion technology. The engine, designed with a 168mm diameter and utilizing efficient HTPB-based composite propellant, achieved a peak thrust of 13.42 kN and demonstrated exceptional

performance under high-pressure conditions. This development underscores India's commitment to advancing its aerospace capabilities, crucial for future space missions. The stabilization of combustion through refined ignitor designs showcases India's technological progress and potential for enhancing space exploration and related defense applications, reinforcing the nation's position in the global aerospace landscape.

## INSV Tarini Reaches Point Nemo, Collects Vital Ocean Data SHARE

30-Jan-25

Lieutenant Commander Dilna K and Lieutenant Commander Roopa A aboard INSV Tarini have achieved a significant milestone by crossing Point Nemo, the most remote oceanic point on Earth, during their ongoing expedition, Navika Sagar Parikrama II. This groundbreaking circumnavigation features only two female Indian Navy officers and aims to collect crucial ocean data, enhancing global scientific research. The mission, which commenced in October 2024, not only showcases India's commitment to maritime exploration and women's empowerment in defense but also underscores the Navy's role in contributing to oceanographic studies and international collaboration. Such initiatives enhance India's stature in global maritime affairs and scientific advancement.

## Raksha Rajya Mantri Awards Best Marching Contingents at RDP

2025  SHARE

30-Jan-25

Raksha Rajya Mantri Shri Sanjay Seth presented awards for the best Marching Contingents and Tableaux during the Republic Day Parade 2025 in Delhi, highlighting the creativity and dedication showcased by various states and forces. He emphasized Prime Minister Modi's vision of a "Viksit Bharat by 2047," stressing that national pride is a collective effort of 1.4 billion Indians. The event also included a Guinness World Record attempt with 5,000 artists participating in cultural performances, showcasing India's rich diversity and unity. This celebration reinforces the importance of cultural heritage and national identity in strengthening India's resolve as a formidable nation on the global stage.

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# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
LOKESHMACH	268.55	305.7	267.0	289.9	198508	8.31	43.01	302.49	383.95
AZAD	1456.05	1540.0	1451.35	1497.15	422636	5.45	42.45	1625.8	1586.06
SOLARINDS	10003.0	10299.0	9782.7	10063.7	343024	5.17	56.93	9528.46	10212.63
NIBE	1345.0	1384.7	1306.6	1384.7	11920	5.0	36.1	1521.04	1755.42
APOLLO	127.95	137.7	127.4	130.59	14610727	4.87	54.36	131.23	107.52
BEL	268.85	280.5	267.9	278.75	46735932	4.32	49.99	274.87	287.17
HBLPOWER	566.0	594.0	557.2	564.1	6696272	3.56	48.84	557.87	574.0
BDL	1230.0	1292.0	1229.05	1267.35	1153771	3.08	56.03	1209.93	1248.66
LMW	15205.8	15575.15	15102.75	15515.1	2514	2.54	40.41	15995.44	16270.29
HAL	3725.0	3798.8	3707.05	3779.15	1513385	2.13	40.52	3940.86	4517.74
PARAS	1043.9	1085.0	1040.05	1061.8	161519	2.0	52.91	1037.67	1076.52
COCHINSHIP	1447.95	1481.0	1431.1	1456.4	316864	1.47	47.43	1464.43	1777.07
BEML	3529.0	3581.3	3501.5	3540.6	96966	1.31	41.03	3658.52	4027.01
DATAPATNS	2105.5	2184.85	2105.0	2129.6	114917	1.31	42.2	2217.65	2689.24
CFE	605.0	620.0	605.0	609.0	4200	1.16	38.11	656.28	647.76
SIKA	2149.5	2189.9	2036.1	2149.9	1543	0.98	35.25	2360.76	2603.0
PREMEXPLN	438.0	440.0	420.4	427.8	70300	0.61	39.0	466.05	543.25
IDEAFORGE	467.95	469.95	455.0	461.45	200079	0.51	23.44	559.56	673.6
AVANTEL	134.1	136.56	131.28	132.3	439803	0.15	38.07	139.41	-
MIDHANI	319.75	327.8	317.8	320.15	232355	0.08	45.32	324.58	400.57
TANEJAERO	350.35	362.0	335.0	349.55	22487	-0.04	27.38	393.65	490.57
HIGHENE	539.35	554.8	536.0	539.0	5803	-0.06	32.39	587.92	714.17
MTARTECH	1539.5	1560.0	1520.25	1531.5	76193	-0.09	39.51	1637.79	1774.02
MAZDOCK	2358.8	2414.0	2331.0	2350.7	2169832	-0.18	54.02	2258.27	2069.25
KRISHNADEF	682.0	702.95	660.5	668.75	27500	-0.27	40.28	726.19	691.83
PTC	140.58	142.87	139.71	140.89	1628593	-0.55	45.97	140.36	194.99
ZENTEC	1720.2	1740.0	1642.95	1685.2	491796	-0.6	29.29	2138.98	1621.19
LT	3455.0	3517.8	3395.0	3420.95	2717740	-0.83	36.26	3521.38	3601.48
ASTRAMICRO	734.0	736.3	705.95	712.45	102253	-0.86	40.11	751.75	820.67
BHARATFORG	1200.0	1205.05	1180.0	1184.05	2102523	-1.11	36.11	1217.44	1462.83
GRSE	1545.0	1594.95	1503.0	1519.85	922102	-1.14	47.92	1512.45	1666.61
MARINE	206.9	209.45	195.5	200.35	156113	-1.23	30.31	229.5	210.23
TEMBO	680.0	712.0	648.0	668.8	53505	-1.4	39.98	742.55	439.91
DCXINDIA	326.0	328.0	316.0	318.85	289617	-1.62	37.53	352.74	340.62
ROSSELLIND	72.0	72.0	65.8	67.53	35725	-1.8	32.08	72.3	326.28
ADANIENT	2325.0	2351.5	2201.3	2252.6	2601625	-2.85	38.92	2388.47	2904.33