



# Defence Professionals News & Analysis

November 21, 2024 | Day 326

### Top Gainers

Stock	Close	Prev	Change
CFE	607.0	580.25	+4.61%
SIKA	2469.95	2430.4	+1.63%
AZAD	1594.95	1576.25	+1.19%
TANEJAERO	405.0	401.3	+0.92%
MTARTECH	1758.45	1743.3	+0.87%

### Top Losers

Stock	Close	Prev	Change
ADANIET	2183.65	2821.5	-22.61%
ROSSELLIND	77.55	95.32	-18.64%
LOKESHMACH	348.5	371.45	-6.18%
KRISHNADEF	666.4	704.25	-5.37%
PREMEXPLN	410.85	432.45	-4.99%

## Defense Business and Industry

### TASL to Match Bharat Forge's Bid for ₹6,000 Crore ATAGS Deal



21-Nov-24

Tata Advanced Systems Ltd (TASL) has agreed to match Bharat Forge Ltd's bid for the ₹6,000 crore contract to supply 307 Advanced Towed Artillery Gun Systems (ATAGS) to the Indian Army, resulting in a production split of 60% for Bharat Forge and 40% for TASL. This decision highlights the collaboration between both companies, which developed distinct variants of the ATAGS under the guidance of the Defence Research and Development Organisation (DRDO), with Bharat Forge's variant selected for production due to superior pricing and technical compliance. The ATAGS program is a significant step toward enhancing India's artillery capabilities, emphasizing the nation's growing self-reliance in defense manufacturing and the strategic importance of indigenizing advanced military technologies to meet the Indian Army's diverse operational requirements, particularly in challenging terrains.

### India and Australia strengthen military ties with refuelling pact



21-Nov-24

India and Australia have formalized a crucial air-to-air refuelling agreement, allowing the Royal Australian Air Force (RAAF) to refuel Indian military aircraft, enhancing operational flexibility and interoperability. Announced during bilateral talks on November 21, this arrangement signifies a strengthening of defense ties and aims to bolster military cooperation in the Indo-

Pacific region. Air Vice-Marshal Reynolds emphasized that this collaboration will foster greater cooperation between the two nations, providing valuable opportunities for personnel to work together and build mutual understanding. In addition to refuelling capabilities, the RAAF is also engaged in joint training with the Indian Navy, further solidifying India's role as a key security partner for Australia and contributing to regional stability. This agreement represents a significant milestone in India's defense strategy, enhancing its military reach and capabilities in a critical geopolitical landscape.

### JSW Defence Invests \$90M to Manufacture V-BAT Drones in India



21-Nov-24

JSW Group is set to invest approximately \$90 million over the next two years to establish a manufacturing facility for V-BAT drones in India, with \$65 million earmarked for the first year. This collaboration with Shield AI aims to create a local supply chain and enable large-scale production of V-BAT drones, which are known for their intelligence, surveillance, and reconnaissance capabilities. The initiative not only supports the Indian Armed Forces' operational needs but also positions India as a global production hub for advanced military technology, reflecting a significant step in enhancing indigenous defense capabilities and self-reliance in the defense sector.

### Russia Develops Su-75 Fighter with an Eye on India's Market



21-Nov-24

Russia's United Aircraft Corporation is advancing the development of the Su-75 Checkmate, a fifth-generation stealth fighter, targeting the Indian market amid India's commitment to indigenous programs like the AMCA.

While the Su-75 boasts features such as multirole capability and cost-effectiveness, the Indian Air Force's focus on self-reliance may limit collaboration prospects. Russia's pitch emphasizes technological advancements and affordability compared to other fighters like the F-35, yet success depends on overcoming technical challenges and securing firm orders. Ultimately, despite Russia's enthusiasm, India's defense strategy is likely to prioritize domestic production and innovation over foreign imports.

## **Boeing Shifts Focus to F-15EX, May Withdraw Super Hornet from IAF Tender**



21-Nov-24

Boeing may withdraw its F/A-18 Super Hornet from the IAF's MRFA tender due to a looming production phaseout and lack of orders, shifting focus to the F-15EX. The Super Hornet's production line is set to close by 2027, and with the IAF's RFP yet to be issued, Boeing sees the F-15EX as a better fit for India's future defense needs. The F-15EX, backed by U.S. orders, ensures long-term production viability in a market seeking advanced multirole capabilities. This strategic pivot highlights Boeing's adaptation to changing dynamics in the Indian defense landscape, positioning the F-15EX as a competitive alternative for India's heavy fighter requirements.

## **HAL to Boost India's Aerospace Manufacturing with New Facility**



21-Nov-24

Hindustan Aeronautics Limited (HAL) is set to enhance India's aerospace manufacturing capabilities by establishing a new High-Capacity Forging Facility for critical engine components and landing gear parts. This facility will utilize advanced machinery to produce high-strength forgings, significantly reducing reliance on imports and ensuring a more secure aerospace supply chain. By fostering domestic manufacturing capabilities, HAL's initiative aligns with the Indian government's goal of making India a global aerospace manufacturing hub, ultimately creating jobs and stimulating growth in the aerospace sector. This strategic move is vital for achieving self-reliance and boosting the Indian defense industry amid rising global competition.

## **Brazil and India Negotiate Barter: TEJAS for C-390M Deal**



21-Nov-24

Brazil is negotiating to acquire India's TEJAS MK-1A fighter jets to replace its aging F-5 fleet, aligning with its modernization plans before the F-5s retire by 2030. In exchange, Brazil seeks to sell its versatile C-390M military transporter to the Indian Air Force, enhancing India's airlift capabilities. This potential barter deal could strengthen defense ties between the two nations, promoting India's 'Make in India' initiative while allowing Brazil to diversify its combat aircraft. As negotiations progress, both countries are optimistic about future collaborations, including local assembly of the C-390M in partnership with Indian firms.

## **HAL Secures Certification for Upgraded Dhruv Civil Helicopter**



21-Nov-24

Hindustan Aeronautics Limited (HAL) has achieved a significant milestone by securing certification for the upgraded version of the Dhruv Civil Advanced Light Helicopter (ALH) and its VHF Radio Communication System from the Directorate General of Civil Aviation (DGCA). This upgraded helicopter features enhanced avionics, advanced safety mechanisms, and multi-mission capabilities, positioning it to meet diverse civil aviation needs such as disaster relief and search and rescue. This certification not only reinforces HAL's commitment to delivering high-quality aviation solutions but also expands its market presence in both domestic and international civil aviation sectors, demonstrating India's growing prowess in defense and aerospace industries.

## **India-Israel AI Weaponry Revolutionizes Gaza Operations Against Hamas**



21-Nov-24

India's partnership with Israel has led to the deployment of the AI-driven Arbel firing system in Gaza operations against Hamas, marking a significant advancement in military technology. Developed by Adani Defence and Aerospace and Israel Weapon Industries, the system enhances the lethality and survivability of soldiers, integrating AI for improved accuracy and efficiency in combat. Its versatility allows adaptation to various weapons and conditions, showcasing India's commitment to modernizing its military capabilities. This collaboration not only strengthens India's defense innovation but also positions it at the forefront of AI-driven military technology, reflecting a global shift towards advanced systems in warfare.

## Zorawar Light Tank Rollout Delayed 4 Months Due to Engine Wait SHARE

21-Nov-24

The rollout of the Zorawar light tank by Larsen & Toubro was delayed by four months due to a seven-month wait for engines from German manufacturer MTU. To maintain progress, L&T utilized Cummins engines for the first prototype, achieving a record completion time of 18 months. The Defense Research and Development Organization (DRDO) is also working on an indigenous engine to enhance self-reliance. Despite the initial setback, L&T's swift adaptation illustrates India's commitment to indigenization and ability to meet the Indian Army's needs for a lightweight, high-altitude combat vehicle, thereby strengthening the defense capabilities.

## India Develops Indigenous Radome for Light Combat Aircraft SHARE

21-Nov-24

The Defence Research and Development Organisation's R&DE(E) is developing an indigenous radome for India's Light Combat Aircraft (LCA) under Project DRAP, aimed at enhancing the aircraft's radar and sensor capabilities. The new conical radome, which measures 1972mm in length, will improve performance by minimizing radar signal interference and ensuring structural integrity during extreme flight conditions. Transitioning from the current British-supplied radome to an indigenous solution marks a significant step towards self-reliance in defense technology, enabling greater control over design, production, and maintenance for the Indian Air Force as it prepares for the LCA Mk1A and Mk2 variants.

## DRDO to Test Extended Flight of Hypersonic Technology Vehicle SHARE

21-Nov-24

The Defence Research and Development Organisation (DRDO) of India is set to conduct extended tests of its Hypersonic Technology Demonstrator Vehicle (HSTDV), aiming to validate its capabilities for up to 400 seconds of flight at Mach 6. Following the successful 20-second test in 2020, this new phase will assess system performance, stability, and thermal management under sustained hypersonic conditions. The collected data will be pivotal for transitioning from a demonstrator to a deployable hypersonic missile system, significantly enhancing India's defense capabilities and reinforcing its status as an innovator in advanced aerospace technologies on the global stage.

## Defense Policy and Budgeting

### CDS Anil Chauhan Unveils Three Trends Shaping Future Warfare SHARE

21-Nov-24

General Anil Chauhan, the Chief of Defence Staff (CDS), recently addressed the International Centre, emphasizing the transformative impact of technology on modern warfare and India's strategic preparedness for future conflicts. He identified three critical technological trends: the rise of robotics and automation, the necessity of speed (celerity) in operations, and the intelligentisation of warfare through data-centric approaches. General Chauhan highlighted the shift from traditional human-centric combat to a future where human-machine interactions may dominate, necessitating a resilient, layered defence system to counter evolving threats, particularly in air defence. He stressed the importance of a joint Intelligence, Surveillance, and Reconnaissance (ISR) framework for enhanced operational effectiveness across the military branches, advocating for original thought processes and a unique Indian approach rather than merely adapting Western models. Looking towards 2047, he outlined a vision for an integrated all-domain force capable of responding dynamically to diverse conflict scenarios, with a focus on consolidating reforms and achieving operational excellence by mid-century. This comprehensive approach, emphasizing cross-domain integration and innovative strategies, positions India to advance its military capabilities and contribute significantly to global security dynamics, reflecting a proactive stance in reshaping its defense strategies amidst evolving technological landscapes.

## Geopolitics and Security Alliances

### Rajnath Singh and Chinese counterpart discuss de-escalation in Laos SHARE

21-Nov-24

Defense Minister Rajnath Singh and Chinese Defense Minister Dong Jun held delegation-level talks in Vientiane, Laos, as part of the ASEAN Defence Ministers Meeting Plus (ADMM-Plus) shortly after the Indian and Chinese militaries disengaged from two critical flashpoints in eastern Ladakh—Depsang and Demchok. This disengagement marks a significant de-escalation in tensions that have persisted since the

Galwan Valley clashes in 2020, with both ministers agreeing to develop a roadmap for rebuilding mutual trust and emphasizing the need for cooperation over conflict. Singh highlighted the importance of moving beyond mere disengagement to true de-escalation, noting that despite progress, tens of thousands of troops remain stationed along the border, which necessitates further confidence-building measures. The Indian government views the normalization of relations with China as contingent upon achieving lasting peace along the Line of Actual Control (LAC), reflecting a commitment to stability in the region while cautiously navigating the complex dynamics with its northern neighbor.

## India Pushes for South China Sea Code of Conduct at ASEAN Meet SHARE

21-Nov-24

At the 11th ASEAN Defence Ministers' Meeting-Plus in Laos, Defence Minister Rajnath Singh reiterated India's steadfast commitment to resolving global conflicts through dialogue and peaceful negotiation. Singh emphasized the importance of a rule-based international order, advocating for a Code of Conduct in the South China Sea that respects the rights of nations not directly involved in the discussions and adheres to international law, particularly the 1982 United Nations Convention on the Law of the Sea. He highlighted India's role in promoting freedom of navigation and unimpeded lawful commerce in the Indo-Pacific region while invoking Buddhist principles of non-violence and peaceful co-existence amidst the increasing global polarization. Singh also pointed out that the ASEAN region, described as economically dynamic, has benefited from India's "Act East" policy, strengthening ties and cooperation with Indo-Pacific nations. Additionally, he addressed the need for a comprehensive approach to climate change impacts on security, advocating for a joint ADMM-Plus Defence Strategy focused on climate resilience. Overall, Singh's remarks underscore India's proactive stance in regional security, its commitment to multilateral dialogue, and the pursuit of collaborative solutions to pressing global challenges, thus positioning India as a key player in shaping a stable and cooperative Indo-Pacific.

## India Dismisses Canada's Allegations on PM Modi and Nijjar Murder SHARE

21-Nov-24

India has vehemently rejected a Canadian report alleging Prime Minister Modi's knowledge of a plot to kill Sikh separatist Hardeep Singh Nijjar, calling it a

smear campaign and urging dismissal of such claims. External Affairs Ministry spokesperson Randhir Jaiswal emphasized that such ludicrous statements only exacerbate the already strained India-Canada relations, which have deteriorated following Canada's accusations linking Indian diplomats to the murder. India has denied all allegations and responded by expelling Canadian diplomats, further signaling its strong stance against perceived interference and misinformation. This situation underlines the complexities of geopolitical dynamics and the importance of maintaining diplomatic integrity amidst rising tensions.

## India Warns Canada: Smear Campaigns Will Deter Diplomatic Ties SHARE

21-Nov-24

India's defense spokesperson, Jaiswal, condemned the smear campaigns from Canada, suggesting that they exacerbate already strained diplomatic relations, particularly following Canada's accusations linking Indian diplomats to the murder of Khalistani separatist Hardeep Singh Nijjar. Jaiswal emphasized the need to dismiss such claims as they deserve contempt, reflecting India's stance to address serious allegations directly. The diplomatic spat has led to the expulsion of diplomats from both sides, highlighting a significant downturn in bilateral relations. India's firm response demonstrates its commitment to protecting national integrity and suggests a readiness to confront unfounded accusations in international discourse.

## India and Guyana Sign 10 MoUs, Boosting Defense and Cooperation SHARE

21-Nov-24

India and Guyana have signed ten Memoranda of Understanding (MoUs) covering various sectors, including agriculture, hydrocarbons, digital payments, health, culture, and defense, during a recent visit by Prime Minister Modi. Notably, the defense cooperation agreement between Guyana's National Defence Institute and India's Rashtriya Raksha University aims to enhance education and training in national security. Modi underscored the significance of this partnership, highlighting India's commitment to supporting Guyana's development and strengthening bilateral relations. This collaboration not only fosters economic ties but also reinforces India's strategic influence in the Caribbean region, showcasing its role as a key partner in promoting security and stability in allied nations.



## Italy, Japan, and Britain Explore Expanding GCAP Fighter Program SHARE

21-Nov-24

Italy, Japan, and Britain are discussing the expansion of the Global Combat Air Programme (GCAP) jet fighter project to include additional countries, as confirmed by Italian Prime Minister Giorgia Meloni during a G20 summit meeting with Japanese Prime Minister Shigeru Ishiba and British Prime Minister Keir Starmer. The trio, having initially agreed in December 2022 to collaborate on the development of an advanced fighter aircraft set to enter service by the mid-2030s, emphasized the need for swift progress and stronger cooperation. This initiative reflects a strategic move to enhance defense capabilities among allied nations amid a shifting geopolitical landscape, potentially influencing military dynamics in the Asia-Pacific and Europe.

## India Eyes Observer Role in Germany's 6th-Gen FCAS Program SHARE

21-Nov-24

India is in discussions to potentially gain observer status in Germany's 6th-generation Future Combat Air System (FCAS) program, which could enhance its defense capabilities and private sector involvement without financial commitments. Observer status would provide India with insights into advanced technologies and strategic discussions as it aligns with its Make in India and Atmanirbhar Bharat initiatives. Additionally, India's participation could facilitate collaboration with European defense manufacturers, especially given its interest in the Eurofighter Typhoon and Dassault Rafale for its MRFA tender. Furthermore, a similar opportunity exists with the UK's Tempest program, allowing India to evaluate and position itself within leading European fighter projects.

## Rajnath Singh and US Defense Secretary discuss defense ties at ASEAN Meeting. SHARE

21-Nov-24

Raksha Mantri Shri Rajnath Singh met US Secretary of Defense Lloyd J. Austin during the 11th ASEAN Defence Ministers Meeting in Lao PDR, highlighting the robust progress in the India-US defense partnership. They discussed advancements in operational coordination and co-production initiatives, particularly in jet engines and munitions. The leaders underscored ongoing efforts to enhance military interoperability in the Indo-Pacific and the significance of the recent QUAD Summit. Singh expressed gratitude for Austin's contributions and emphasized the need to maintain

momentum in defense collaboration, reflecting a strong alignment of strategic interests between the two nations.

## Rajnath Singh Strengthens Defense Ties with ASEAN Partners in Laos SHARE

21-Nov-24

Raksha Mantri Rajnath Singh engaged with defense counterparts from South Korea, Australia, and New Zealand at the 11th ASEAN Defence Ministers Meeting-Plus in Laos, emphasizing strengthened bilateral defense cooperation. Discussions with South Korea focused on enhancing co-production and inviting investment in India's defense corridors, while cooperation with Australia highlighted air-to-air refueling arrangements to improve interoperability. Singh also sought expedited finalization of a Defense Cooperation Agreement with New Zealand to bolster ties, underscoring shared democratic values and aspirations for a secure Indo-Pacific. This series of meetings reflects India's proactive stance in building strategic partnerships and enhancing regional security through collaborative defense initiatives.

## UK Warns of Russia's Ballistic Missile Preparations Amid Conflict SHARE

21-Nov-24

UK Defence Secretary John Healey reported to Parliament about Russia's potential use of ballistic missiles, noting preparations that have spanned several months; however, he did not confirm any specific missile strikes. He highlighted the escalating conflict, particularly pointing to Russia's increased assaults on Ukraine's energy infrastructure and civilian targets. This situation underscores the urgency for nations, including India, to bolster their defense capabilities and strategic partnerships, as global security dynamics are increasingly influenced by such aggressive actions. Strengthening ties with allies and enhancing self-reliance in defense technologies can better position India to navigate these geopolitical challenges effectively.

## Army Chief Gen Dwivedi visits Nepal to bolster military ties. SHARE

21-Nov-24

Army Chief Gen Upendra Dwivedi is on a four-day visit to Nepal to strengthen military ties amid evolving regional security dynamics. He will receive the honorary rank of General of the Nepal Army, signifying deep-rooted military cooperation dating back to 1950. The visit includes discussions with top Nepalese officials

and emphasizes defense modernization, alongside the upcoming 18th Surya Kiran joint military exercise focused on counterterrorism and humanitarian assistance. India continues to support Nepal's military capabilities through the provision of hardware and training, reinforcing the strategic partnership that is vital for both nations in the current geopolitical landscape.

## Military Operations

### Russia Launches ICBM in Ukraine Conflict, Heightening Tensions



21-Nov-24

Russia has escalated its military aggression in the ongoing conflict with Ukraine by launching an intercontinental ballistic missile (ICBM) at the city of Dnipro, marking the first known use of such a powerful weapon in this war. The missile, capable of delivering nuclear strikes and with a range exceeding 6,200 miles, was reportedly intercepted by Ukrainian air defenses, although it underscores the increasing tensions as Ukraine retaliated with U.S. and British missiles targeting Russian positions. The situation is further complicated by Russia's ongoing military advances in Donetsk and Ukraine's actions, which Moscow views as a significant escalation. This development signals a potential shift in the conflict dynamics, highlighting the grave implications of nuclear-capable weaponry being employed and the high-stakes environment in which both nations are currently operating. The use of ICBMs not only serves as a warning from Moscow but also raises concerns about the broader security landscape in Europe, necessitating a vigilant response from global powers, including India, which must carefully assess its strategic partnerships and defense postures in light of the evolving geopolitical landscape.

### Indian Navy Showcases Tactical Prowess at Sea Vigil-24 in Kolkata



21-Nov-24

The Indian Navy successfully executed a tactical phase of Sea Vigil-24 at Victoria Memorial, Kolkata, demonstrating effective inter-agency collaboration in response to a simulated VVIP hostage scenario. This exercise, part of India's largest coastal defense initiative, involved multiple security forces, including the Central Industrial Security Force (CISF) and the Indian Army, showcasing rapid operational readiness and precision in managing evolving security threats. Sea Vigil-24, which includes participation from six central

ministries and 21 agencies across coastal states and Union Territories, aims to assess and validate India's preparedness against maritime threats. The exercise emphasizes the importance of identifying vulnerabilities in critical coastal assets and enhancing coordination among various agencies, while also integrating local fishing communities into a national maritime sensor grid to bolster surveillance capabilities. The inclusion of advanced surveillance technologies, such as radar systems and UAVs, reflects India's commitment to maintaining a secure maritime environment amid regional complexities, reinforcing its strategy of projecting influence in the Indo-Pacific region and upholding a rules-based maritime order that prioritizes peace and stability.

### Ukraine Strikes Back: Storm Shadow Missiles Target Russia



21-Nov-24

Ukraine has escalated its counteroffensive against Russia by launching UK-supplied Storm Shadow missiles into Russian territory, following the recent approval to use US-made ATACMS missiles. These strikes, targeting strategic locations like ammunition depots, represent a significant shift in Ukraine's defensive strategy as it seeks to undermine Russian support bases amidst the ongoing conflict. Reports indicate multiple explosions in the Kursk region, with Ukrainian officials citing the necessity of striking deep into Russian territory for self-defense. Meanwhile, the U.S. has bolstered military aid to Ukraine, reflecting ongoing Western support. This escalation raises tensions further, with Russia warning of serious consequences, while also showcasing Ukraine's commitment to utilizing advanced weaponry to achieve its objectives.

### India Notifies Missile Test Zone in Bay of Bengal, Nov 27-30



21-Nov-24

India has issued a NOTAM for a naval missile test in the Bay of Bengal, spanning 1,725 kilometers, scheduled from November 27th to 30th, 2024. This could involve the Indigenous Technology Cruise Missile or a new long-range cruise missile, enhancing India's strike capabilities deep within enemy territory. The test may also focus on submarine-launched missiles, vital for India's second-strike and strategic deterrence. This initiative aligns with India's broader goal of modernizing its naval forces and strengthening its maritime capabilities, crucial for maintaining regional stability.

and credible deterrence in the Indo-Pacific amidst evolving geopolitical dynamics.

## Terrorism and Counterterrorism

### Suspicious Forest Fire Triggers Landmine Explosions at LoC

 SHARE

21-Nov-24

Six landmines along the Line of Control in Poonch district, Jammu and Kashmir, exploded due to a forest fire, suspected to have originated from across the border, potentially indicating a deliberate attempt to disrupt India's defense systems and facilitate terrorist infiltration. Officials are on high alert, as intelligence suggests increased terrorist activity following recent elections in the region. The security forces, under directives from Lt Governor Manoj Sinha, aim to eradicate terrorism by targeting not only armed militants but also their supporters and infrastructure within the UT. This incident highlights the persistent threat posed by cross-border terrorism and the proactive measures being taken by Indian forces to safeguard national security.

### Unplanned Yet Effective: Karnataka Police Neutralize Maoist Leader

 SHARE

21-Nov-24

Karnataka DGP Pronab Mohanty confirmed the recent encounter with the Maoist leader Vikram Gowda was not pre-planned but was executed flawlessly in self-defense. The encounter took place during an exchange of gunfire in the Kabbinala forest, where Gowda was found armed with a machine gun, pistol, and knife. Mohanty emphasized the importance of offering rehabilitation options for Maoists wishing to surrender, highlighting the police's intent to reintegrate rather than eliminate. The successful neutralization of a top Maoist leader underlines the ongoing commitment of Karnataka's police forces to internal security and counter-terrorism efforts, enhancing public safety in the region.

### NIA Arrests Suspect in 2020 Kashmir Narco-Terror Case Tied to Pakistan

 SHARE

21-Nov-24

The National Investigation Agency (NIA) has arrested an individual linked to a 2020 narco-terror case in Kashmir, which revealed connections to Pakistan-based terrorist organizations like Lashkar-e-Taiba and Hizb-ul-

Mujahideen. The case began with the seizure of 2 kilograms of heroin and 20 lakh rupees during a routine vehicle check, leading to further investigations that uncovered an additional 15 kilograms of heroin and 1.15 crore rupees in cash. This highlights the ongoing threat of narco-terrorism in the region, underlining the need for robust counter-terrorism measures to disrupt these illicit networks that fund terrorism and destabilize national security. India's commitment to combating such threats is crucial for maintaining peace and security in the region.

### NIA Conducts Raids in Jammu to Disrupt Terrorist Networks

 SHARE

21-Nov-24

The National Investigation Agency (NIA) has conducted extensive raids in the Jammu region, specifically targeting areas like Reasi, Udampur, and Ramban, to investigate cases of terrorist infiltration. This operation, supported by local police and the Central Reserve Police Force (CRPF), aims to dismantle networks that facilitate terrorism, focusing on overground workers, surrendered militants, and those aiding infiltration. These proactive measures underscore India's commitment to countering terrorism and enhancing national security by addressing support systems that enable such activities. The NIA's actions reflect a robust strategy to ensure peace and stability in the region, reinforcing the importance of intelligence-driven operations in combating terrorism.

## Cybersecurity and Information Warfare

### General Dwivedi emphasizes digitization and joint training in IAF conference.

 SHARE

21-Nov-24

Indian Army Chief General Upendra Dwivedi emphasized the significance of digitization, automation, and joint training at the IAF Commanders' Conference, outlining his vision for a future-ready army through modernization and integration across services. He highlighted the importance of disaster response capabilities, illustrated by the recent successful completion of 'Sanyukt Vimochan 2024', a multilateral humanitarian exercise involving 15 international participants. This exercise not only showcased India's disaster readiness but also reinforced the Atmanirbhar Bharat initiative by promoting indigenous equipment. General Dwivedi's focus on jointness and effective human resource management positions the Indian

armed forces to align with national security objectives and enhance operational efficiency.

## Danish Navy Seizes Russian-Captained Chinese Ship Over Cable Sabotage SHARE

21-Nov-24

The Danish Navy seized the Russian-captained Chinese ship Yi Peng-3 following suspicions of its involvement in severing undersea cables in the Baltic Sea, coinciding with its passage over the damaged infrastructure. The incidents, which affected the C-Lion 1 and BSC cables, have prompted European officials to suspect state-sponsored sabotage, particularly from Russia amid its ongoing conflict with Ukraine. Russia has dismissed these allegations as "absurd," while the situation raises concerns over hybrid warfare tactics targeting critical infrastructure in Europe. Such events highlight the growing geopolitical tensions and the need for enhanced vigilance among nations, including India, regarding maritime security and infrastructure protection.

### Miscellaneous

## Rajnath Singh advocates for Buddhist principles in global conflict resolution at Laos summit. SHARE

21-Nov-24

At the ASEAN Defence Ministers Meeting Plus in Laos, Defence Minister Rajnath Singh emphasized the need for the world to adopt Buddhist doctrines to resolve conflicts, advocating for dialogue and peaceful negotiation as fundamental to addressing international challenges. He highlighted India's commitment to open communication, particularly in the context of regional tensions over the South China Sea, calling for a Code of Conduct that upholds international law without undermining the interests of non-participating nations. Singh underscored India's historical ties with ASEAN, asserting that this partnership is critical for stability and prosperity in the Indo-Pacific region and reinforcing India's Act East policy as a vital aspect of its foreign relations strategy.

## India and UK to Finalize Dates for Free Trade Talks Soon SHARE

21-Nov-24

India and the UK are set to finalize the dates for resuming Free Trade Agreement (FTA) negotiations through diplomatic channels. These discussions aim to

build upon previous progress while addressing critical issues such as import duties on goods and the facilitation of business visa arrangements. The eagerness exhibited by both nations reflects their commitment to strengthening economic ties, which could enhance trade and investment flows, ultimately benefiting both economies. With these negotiations, India reinforces its position as a significant player in global trade, potentially unlocking new avenues for defense collaboration and technological exchange with the UK, thus bolstering its strategic autonomy.

## Guyana's President Honors PM Modi as a Global Leader in Health SHARE

21-Nov-24

During his visit to Guyana, Prime Minister Modi was honored by President Irfan Ali, who praised him as a champion among global leaders for India's pivotal role in vaccine manufacturing. The discussions led to several key agreements designed to bolster collaboration in health, agriculture, and technology, addressing regional challenges. Modi's interaction with the Indian diaspora underscored the deep-rooted cultural ties, with Ali acknowledging their historic connection to India. The visit was marked by Modi receiving the "Key to the City of Georgetown," symbolizing the strengthening of bilateral relations and India's commitment to fostering partnerships in the region.

## Dominica Honors PM Modi for India's COVID-19 Support Efforts SHARE

21-Nov-24

Dominica has bestowed its highest honour on Prime Minister Modi in recognition of India's support during the COVID-19 pandemic, notably the provision of 70,000 AstraZeneca vaccine doses in February 2021. This gesture underscores India's commitment to assisting Caribbean nations in healthcare, education, and sustainable development. Modi dedicated the award to the people of India, reflecting the collaborative spirit between the two nations. This recognition not only highlights India's role in global health diplomacy but also reinforces its strategic partnerships across regions, enhancing India's soft power on the international stage.

## PM Modi: India, a Reliable Partner for Caribbean Development SHARE

21-Nov-24

During the India-CARICOM Summit, Prime Minister Modi emphasized India's commitment to strengthening



ties with the Caribbean Community, outlining seven key pillars including Capacity Building, Agriculture, Renewable Energy, and Healthcare, encapsulating the acronym C-A-R-I-C-O-M. He underscored India's role as a trustworthy partner in development, proposing initiatives such as enhanced scholarship opportunities for Caribbean students and the establishment of a forensic center to improve regional capabilities. This strategic engagement highlights India's dedication to bolstering cooperation with the Global South, ultimately fostering mutual growth and showcasing India's emerging influence on the global stage, particularly in areas critical for sustainable development and regional stability.

## ISRO Chief: If India Can Domestically Produce Space Sensors why not Car Sensors Too SHARE

21-Nov-24

ISRO Chairman S Somanath wondered that if ISRO can manufacture space grade sensors, why Indian Industry cannot manufacture car sensors domestically, advocating for lower production costs and increased industry collaboration during the Bengaluru Tech Summit. He highlighted the success of India's space sector reforms, which have spurred interest in satellite and subsystem development. Somanath noted that while significant progress has been made, challenges like the lack of major players and upstream investment remain. The session underscored the importance of technology transfer to facilitate private sector participation, aligning with Karnataka's ambition to capture 50% of the national space market and establish itself as a global hub for space technologies.

## BRO Modernizes Jawahar Tunnel in J&K; Set to Open December 2024 SHARE

21-Nov-24

The Border Roads Organisation (BRO) is renovating the 2.5 km-long twin-tube Jawahar Tunnel in Jammu & Kashmir, originally built in 1956, with modern technology to enhance security, safety, and user comfort. The project, costing Rs 62.5 crore and funded by the Ministry of Road Transport & Highways, is expected to be completed by December 2024. Upgrades include high-definition CCTV cameras, smoke and fire sensors, and a centralized monitoring room, making it a crucial alternate route to NH-44 for vehicles restricted from using the new Quazikund-Banihal tunnel. This renovation underscores India's commitment to improving infrastructure in strategically

significant areas, reinforcing both connectivity and security in the region.

## Kashmir Situation Under Control, Says CRPF IG Amid T20 Cup SHARE

21-Nov-24

Inspector General of CRPF Srinagar Sector, Pawan Kumar Sharma, stated that the situation in Kashmir is well under control, highlighting the tireless efforts of security forces in maintaining stability. He emphasized the effective coordination among various security agencies and the police. This announcement coincided with the inauguration of the CRPF T20 Cup 2024, featuring 16 civilian teams in a nine-day tournament at the Sher-e-Kashmir Stadium, showcasing community engagement in a positive atmosphere. Sharma's remarks underscore the commitment of Indian security forces to uphold peace while fostering local unity through sports, further reflecting the larger strategy of integrating civil society with security efforts in Kashmir.

## Supreme Court Considers Fair Trial for Yasin Malik Amid Security Concerns SHARE

21-Nov-24

The Supreme Court remarked that even Ajmal Kasab received a fair trial, indicating a courtroom may be set up inside Tihar Jail for the separatist leader Yasin Malik's trial. Concerns were raised regarding Malik's security if transported for in-person cross-examination in a kidnapping case, prompting discussions to allow virtual appearances instead. The CBI emphasized Malik's significant threat to national security, highlighting his connections with terrorist Hafiz Saeed. The court is considering the procedural intricacies involved while ensuring that all accused are appropriately heard before making a decision, reflecting the judiciary's commitment to maintaining both security and justice in high-risk cases.

## Visakhapatnam's TU-142 Museum to Feature Sikorsky UH-3H Helicopter SHARE

21-Nov-24

The TU-142 Museum in Visakhapatnam is set to enhance its maritime heritage with the addition of a decommissioned Sikorsky UH-3H helicopter, formerly part of the Indian Navy's INAS 350 Squadron. This helicopter, which served the nation since its induction in 2009, played crucial roles in humanitarian assistance, disaster relief, and special operations, showcasing advanced search and rescue capabilities. Its inclusion

in the museum not only honors its operational legacy but also emphasizes the Indian Navy's dedication to maritime security and disaster response. Visitors will gain insights into the aircraft's significance and appreciate the sacrifices made by naval personnel.

## DRDO Hosts 11th Asian Fire Safety Meet and Expo in New Delhi



21-Nov-24

The 11th Asian Fire Protection Inspection Council Meet, organized by DRDO in collaboration with CII, commenced in New Delhi on November 21, 2024, involving delegates from six Asian countries for

technical exchange in fire safety. DRDO Chairman Dr. Samir V Kamat emphasized that this event will foster innovation and self-reliance in fire safety technologies, contributing to national security and global competitiveness. Alongside the meet, an International Seminar on Fire Safety Trends and the Asian Fire Safety Expo 2024 are also being held, showcasing advanced fire safety technologies and promoting collaboration among key stakeholders. This initiative underscores India's commitment to strengthening domestic capabilities and enhancing safety standards across the region.

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# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
CFE	581.0	609.25	567.5	607.0	16000	4.61	48.91	604.88	594.95
SIKA	2421.15	2509.95	2365.0	2469.95	1709	1.63	45.34	2501.96	2372.49
AZAD	1587.65	1622.0	1568.3	1594.95	204767	1.19	55.5	1542.78	1466.47
TANEJAERO	400.0	415.0	383.25	405.0	12375	0.92	39.23	414.6	490.56
MTARTECH	1743.25	1782.95	1715.0	1758.45	316889	0.87	61.63	1615.93	1820.05
DCXINDIA	313.0	320.0	306.1	317.45	256019	0.75	46.38	325.42	333.81
ZENTEC	1775.0	1847.9	1769.05	1781.95	297315	0.74	48.93	1797.53	1311.97
BEML	3745.0	3748.95	3634.0	3721.55	340984	0.61	41.3	3931.34	3832.62
DATAPATNS	2280.0	2317.7	2241.35	2299.05	166565	0.34	48.19	2289.23	2678.48
SOLARINDS	9974.0	10041.95	9799.0	9973.5	63353	-0.1	42.56	10182.37	9632.26
LT	3530.0	3530.55	3452.45	3483.5	1510581	-0.64	42.83	3526.53	3574.55
APOLLO	92.99	93.5	90.25	92.19	1017966	-0.76	35.26	98.34	108.41
AVANTEL	147.0	147.5	143.77	146.05	499793	-0.97	28.57	163.16	-
BEL	278.45	278.45	270.25	275.45	14858108	-1.27	41.63	284.17	264.72
ASTRAMICRO	752.7	760.7	740.55	746.85	160060	-1.38	42.19	765.5	781.35
MARINE	235.0	236.0	221.11	224.54	299945	-1.44	50.11	218.55	172.11
MAZDOCK	4075.0	4075.0	3971.1	4006.6	722504	-1.69	44.83	4085.1	3513.71
HBLPOWER	547.75	547.75	531.6	538.0	821109	-1.78	42.97	549.52	548.12
HAL	4072.45	4079.8	3931.05	3983.45	2061517	-1.82	34.04	4222.26	4261.72
GRSE	1422.0	1424.9	1377.6	1381.65	394303	-1.96	33.5	1515.68	1475.39
BHARATFORG	1314.15	1317.95	1288.6	1296.2	571103	-2.05	30.89	1389.35	1432.42
PARAS	977.55	987.95	947.0	954.05	76037	-2.4	41.34	997.32	992.67
MIDHANI	313.0	317.0	305.9	310.55	428624	-2.5	34.69	327.71	418.9
IDEAFORGE	581.05	584.15	565.05	568.1	128939	-3.2	37.94	591.53	709.86
HIGHENE	621.0	621.0	565.0	578.0	6555	-3.32	36.85	614.47	709.62
TEMBO	0.0	701.25	699.95	701.25	67637	-4.03	78.57	554.78	311.84
BDL	965.0	965.2	925.0	926.9	509001	-4.09	31.55	1034.12	1170.91
NIBE	1673.9	1688.95	1589.0	1593.3	30937	-4.51	36.95	1731.86	1681.11
PTC	169.0	169.0	158.01	161.27	2220518	-4.62	31.0	176.47	205.98
COCHINSHIP	1350.0	1350.0	1292.5	1295.4	494851	-4.79	33.33	1415.61	1624.25
PREMEXPLN	422.0	434.7	410.85	410.85	104679	-4.99	34.32	448.58	498.06
KRISHNADEF	0.0	673.25	666.4	666.4	9750	-5.37	45.25	682.31	591.15
LOKESHMACH	364.0	367.0	345.0	348.5	124455	-6.18	46.25	357.51	390.25
ROSSELLIND	0.0	77.55	77.49	77.55	13524	-18.64	24.22	91.14	426.69
ADANIENIT	2539.35	2539.35	2155.05	2183.65	21796668	-22.61	18.75	2843.59	3094.67