



# Defence Professionals News & Analysis

July 21,2025 | Day 202

### Top Gainers

Stock	Close	Prev	Change
MACPOWER	1050.5	939.65	+11.8%
JYOTICNC	1075.2	1020.7	+5.34%
SWANDEF	306.25	291.67	+5.0%
DCXINDIA	281.25	272.1	+3.36%
MARINE	195.96	189.96	+3.16%

### Top Losers

Stock	Close	Prev	Change
TEMBO	499.8	542.8	-7.92%
AVANTEL	144.83	151.12	-4.16%
TECHERA	211.0	218.55	-3.45%
LMW	15714.0	16175.0	-2.85%
PARAS	774.9	795.4	-2.58%

## Defense Business and Industry

### GRSE launches final anti-submarine warfare ship for Indian Navy



21-Jul-25

On July 20, 2025, the Indian Navy reached a major milestone with the launch of the eighth and final anti-submarine warfare shallow water craft (ASW SWC), named Ajay, at the Garden Reach Shipbuilders and Engineers (GRSE) facility in Kolkata. The launch ceremony, attended by Vice Admiral Kiran Deshmukh, highlighted the Navy's strategy to strengthen its anti-submarine warfare and coastal security capabilities amid rising regional maritime threats. The Ajay is part of a series of 77.6-meter long vessels specially constructed by GRSE under a contract signed in 2019, each equipped with advanced underwater sensors like Hull Mounted Sonar and Low Frequency Variable Depth Sonar, as well as a formidable anti-submarine armament suite including lightweight torpedoes and rockets. These ships are not only tailored for anti-submarine warfare but also adept at coastal defense, low-intensity conflict roles, and mine-laying operations. The completion of this fleet enhances the Navy's operational readiness and comes at a time of increased focus on indigenous defense manufacturing and maritime security in the Indian Ocean region.

### Proposed 120kN Engines for AMCA Could Boost Rafale Performance



21-Jul-25

India is advancing its aerospace capabilities through a strategic partnership with France, focusing on the co-development of a next-generation jet engine for the

Advanced Medium Combat Aircraft (AMCA) program and the procurement of additional Rafale fighters. The collaboration with Safran aims to produce a 120-125 kN thrust engine, enhancing India's indigenous manufacturing capabilities with full technology transfer and joint intellectual property rights, projected to bolster the domestic aerospace industry. Simultaneously, India is set to acquire 26 Rafale Marine fighters for its Navy, enhancing interoperability with the Air Force and maintaining cutting-edge airpower. This multifaceted partnership, which includes plans for local production and maintenance facilities, reinforces France's position as India's premier defense partner, while the hypothetical integration of the new engine into existing aircraft like the Rafale could significantly improve combat performance, thrust-to-weight ratio, and payload capacity. Overall, these developments underscore India's commitment to strengthening its defense capabilities and achieving self-reliance in military aviation technology, thereby positioning itself as a formidable player in the regional defense landscape.

### Three AH-64E Apache Helicopters to Be Inducted in Jodhpur Tomorrow



21-Jul-25

The Indian Army is set to induct three advanced AH-64E Apache attack helicopters in Jodhpur on July 22, marking a significant step in boosting its combat capabilities along the western front. Arriving for a formal Joint Receipt Inspection, these helicopters represent the first batch of six acquired under a \$600 million deal signed with the United States in 2020. The new squadron in Jodhpur will deploy these state-of-the-art aircraft, equipped with Longbow radar and Hellfire missiles, near the Pakistan border. This induction follows production and delivery delays of over 15

months and highlights the Army's modernization drive, shifting advanced air support directly under Army control for faster battlefield integration and enhanced operational readiness.

## Cost of U-214NG Subs for India's Project-75I Rises to \$1.3B Each SHARE

21-Jul-25

India's ambitious Project-75I submarine program is facing significant challenges as the per-unit cost of the German-origin U-214NG submarines has soared to approximately \$1.3 billion, up from the initial estimate of \$800 million. This sharp escalation, attributed to global inflation and the integration of advanced technologies, including state-of-the-art Air Independent Propulsion (AIP) systems, has pushed the total projected expenditure to nearly \$8.4 billion. The Indian Ministry of Defence initiated Project-75I in November 2007, but stringent requirements for a sea-proven AIP system have complicated the tender, resulting in most international contenders withdrawing and leaving Germany's ThyssenKrupp Marine Systems as the sole viable bidder alongside Indian partner Mazagon Dock Shipbuilders Limited. Despite cost negotiations reportedly stalling since January 2025, the program remains crucial to replacing India's aging submarine fleet and countering regional maritime threats. Meanwhile, India's Defence Research and Development Organisation has advanced its own fuel cell-based AIP system, planning retrofits for existing Kalvari-class submarines, though delays could push the integration timeline to 2026. A final decision for Project-75I is anticipated soon, as pressure mounts to strike a balance between capability, cost containment, and technological self-reliance.

## IAI Proposes LORA Missile for Indian Navy's P-8I Aircraft Integration SHARE

21-Jul-25

Israel Aerospace Industries (IAI) has offered its air-launched Long-Range Artillery (LORA) missile to both the Indian Air Force and Indian Navy for integration with the P-8I maritime aircraft. This missile boasts a range exceeding 400 kilometers, enhancing the Navy's deep-strike capabilities while maintaining existing anti-submarine roles. IAI is in talks with Bharat Electronics Limited for local manufacturing, aligning with India's Make in India initiative. The potential for indigenous production not only strengthens India's defense capabilities but also positions the country as an emerging defense exporter to allied nations,

showcasing its commitment to self-reliance and regional stability.

## IAF Aims to Integrate Astra Mk2 on Mirage-2000, Faces Code Issues SHARE

21-Jul-25

The Indian Air Force (IAF) is actively pursuing the integration of the indigenous Astra Mk2 beyond-visual-range air-to-air missile, with its 160-180 km range, onto its Mirage-2000 fighter jets to replace the current 80 km-ranged French MICA missiles. In the past three days, official sources have highlighted that the project has encountered significant delays due to Dassault Aviation's reluctance to share the Mirage-2000's radar source code, which is crucial for seamless missile integration. With the Mirage-2000 fleet slated to remain operational until at least 2035, the IAF considers this upgrade vital for maintaining an edge over regional adversaries. Ongoing high-level negotiations in New Delhi aim to resolve both technical and financial barriers to reinforce India's long-range aerial combat capability.

## Tejas MkII and AMCA to Receive Smartphone-Style Software Updates SHARE

21-Jul-25

The Indian Air Force's modernization drive has taken a significant leap as the Aeronautical Development Agency (ADA) revealed that the upcoming Tejas MkII and Advanced Medium Combat Aircraft (AMCA) will incorporate modular, smartphone-style over-the-air (OTA) software updates. This innovative approach allows the IAF to independently implement mission-specific upgrades and rapidly integrate new sensors or payloads, enhancing operational agility and ensuring these fighter aircraft remain technologically advanced into the 2040s. However, integrating OTA updates into critical flight computers and avionics also presents significant dangers, such as exposing systems to cyberattacks that could compromise aircraft safety, introducing software bugs or compatibility issues, and risking failures if updates are interrupted or poorly validated. Further complications arise from a lack of established standards and reduced operator oversight during automated updates. To safely leverage this advancement, experts recommend adopting multi-layered cybersecurity with strong encryption and authentication, rigorously validating updates through extensive simulation, establishing robust rollback and recovery systems, maintaining reliable delivery infrastructure, ensuring human-in-the-loop oversight for

mission-critical changes, and establishing aviation-specific OTA standards. With these safeguards in place, the benefits of agile, secure, and resilient updates can be realized without compromising flight safety or operational readiness.

## India Establishes Panel to Enhance Armed Drones and Surveillance SHARE

21-Jul-25

India is set to bolster its defense capabilities by establishing a panel to address security gaps through a significant expansion of armed drones and surveillance aircraft, including the acquisition of 87 MALE drones and six AEW&C aircraft based on the Airbus 319 platform. These initiatives, catalyzed by recent military confrontations with Pakistan, aim to enhance India's precision strike capabilities and real-time airspace monitoring, addressing deficiencies highlighted during Operation Sindoor. The move signifies a critical shift towards self-sufficiency in defense technology while promoting indigenous manufacturing, effectively responding to evolving regional threats and improving operational flexibility for the armed forces.

## CVRDE Plans to Induct Indigenous 600-1500 HP Engines by 2030 SHARE

21-Jul-25

The Combat Vehicles Research & Development Establishment (CVRDE) of India's DRDO has unveiled plans to develop indigenous engines ranging from 600 to 1500 horsepower by 2030, aiming to enhance self-reliance in defense manufacturing. The successful development of a 600 HP engine, currently undergoing durability trials, symbolizes a shift towards domestic production, reducing dependency on foreign engines for armored vehicles like the T-90 and T-72. This initiative aligns with the Make in India campaign, promising greater operational autonomy and logistical simplicity for the Indian Army while addressing cost and supply chain vulnerabilities. The roadmap, while ambitious, underscores the challenges of rigorous testing required for high-performance engines.

## DRDO Develops 10kN Manik Engine for Next-Gen Military Drones SHARE

21-Jul-25

India's Defence Research and Development Organisation (DRDO) is advancing its self-reliance in defense technology by exploring a new 10-kilonewton variant of the Manik engine for next-generation drones. This upgraded engine will significantly enhance capabilities for the Medium Altitude Long Endurance

UAV and the CATS Warrior, a drone designed to operate alongside manned aircraft for strategic missions. The initiative aims to address the evolving demands of the Indian Armed Forces, facilitating heavier payloads and longer operational ranges. However, challenges remain in scaling the engine while ensuring efficiency and reliability, underscoring the need for sustained funding and commitment from military stakeholders.

## General Atomics to Advise India on HALE UAV Development SHARE

21-Jul-25

General Atomics will provide crucial consultation to India's Aeronautical Development Establishment (ADE) for the design and development of a High Altitude Long Endurance (HALE) UAV, contributing to India's indigenous defense capabilities. This partnership aims to enhance various technological domains, including aerodynamic optimization, autonomous flight control, and payload integration, aligning India's drone program with international standards. The collaboration is integral to India's 'Aatmanirbhar Bharat' initiative, aiming to reduce technical risks and accelerate development timelines, ultimately ensuring the new UAV meets the operational needs of the Indian armed forces effectively. This strategic move underscores India's commitment to self-reliance in defense technology.

## India's Project-77: Advancing Nuclear Submarines with UUVs SHARE

21-Jul-25

India's Project-77 aims to develop indigenous nuclear-powered attack submarines (SSNs) with a manned-unmanned operational concept, integrating advanced unmanned underwater vehicles (UUVs) like the JALKAPI-XLUUV. Approved by the Cabinet Committee on Security, the project will deliver two SSNs initially, contributing to India's self-reliance under the Atmanirbhar Bharat initiative and addressing maritime threats from China's naval expansion. With a robust design leveraging advanced technology and 95% indigenous content, these submarines will enhance the Indian Navy's capabilities, providing a protective underwater shield for aircraft carrier groups and ensuring a competitive stance in the evolving domain of undersea warfare. The first SSN is expected by 2036-37, marking a significant leap in India's naval strategies.

## India Seeks 80% ToT for Russian 177S Engines for Su-30MKI Upgrade



21-Jul-25

India is seeking at least 80% Transfer of Technology (ToT) from Russia for the acquisition of new fifth-generation engines, specifically the Product 177S, to upgrade its Sukhoi Su-30MKI fleet under the Super Sukhoi program. This demand aligns with India's "Aatmanirbhar Bharat" policy and aims to enhance local manufacturing capabilities while mitigating reliance on imported components. The Indian Air Force prefers the advanced Product 177S over the AL-41F1S, which offers limited operational advantages. The outcome of these negotiations will likely depend on Russia's willingness to meet India's stringent conditions, especially given the shifting geopolitical dynamics and India's burgeoning defense partnership with the United States.

## ADE Develops Stealth Air Duct, Boosts RCS Reduction by 10 dB



21-Jul-25

The Aeronautical Development Establishment (ADE) has achieved a significant milestone in stealth technology by developing a 5.7-meter-long carbon composite serpentine air duct for India's Radar Signature Reduction Program (RSPA), capable of reducing radar cross-section (RCS) by over 10 dB in the critical 2-12 GHz frequency range. This innovation positions India closer to self-reliance in aerospace capabilities, enhancing the survivability of stealth UAVs in contested environments. Compared to traditional metallic ducts, ADE's lightweight and durable design offers better stealth properties and aerodynamic performance, showcasing India's commitment to advancing its defense technology and reducing reliance on foreign solutions.

## BAE Systems to Enhance Italy's Airborne Electronic Warfare Capabilities



21-Jul-25

BAE Systems has secured a \$12 million contract from L3Harris to modify two Gulfstream G550 aircraft into airborne electronic attack platforms for the Italian Air Force, enhancing Italy's long-range electronic warfare capabilities. This modification will enable advanced mission systems that disrupt enemy communications and air defense, thereby strengthening Italy's operational effectiveness in the electromagnetic battlespace. The integration of such capabilities aligns with U.S. Air Force standards, emphasizing the importance of allied cooperation in addressing modern

threats. This development not only boosts Italy's defense posture but also reflects the ongoing evolution of electronic warfare technologies crucial for contemporary military operations.

## Defense Policy and Budgeting

### Report urges government support for AI in enhancing national security



21-Jul-25

A recent report by Nexgen Exhibitions has highlighted the critical need for immediate government intervention and investment in artificial intelligence to bolster India's national security. Based on a survey covering over 200 companies across 15 cities, the findings show a strong industry consensus—86% of respondents believe proactive government support is essential to strengthen defenses against rising cyber and border threats. The report underscores challenges such as the surge in cybercrime, with over 2.3 million incidents and losses exceeding ₹1,200 crore recorded in 2024, pegging India third globally for phishing attacks after the US and Russia. It calls for significant progress on creating a national AI security framework tailored for defense, noting ongoing policy gaps and the lack of a comprehensive strategy. The findings also emphasize the role of public-private partnerships, as only 14% of respondents reported current collaboration incentives in defense AI innovation. The upcoming International Police Expo in Delhi, scheduled from July 31 to August 1, aims to advance discussions on enhancing internal security and encourage stronger collaborations to address evolving digital threats through AI-driven solutions.

## Geopolitics and Security Alliances

### PM Modi to Advance India-UK Trade Pact and Strengthen Ties



21-Jul-25

Prime Minister Narendra Modi will visit London from July 23 to 24 for the formal signing of the India-UK Free Trade Agreement (FTA), accompanied by Commerce Minister Piyush Goyal. Finalized after three years of negotiations and concluded in May, the FTA aims to eliminate tariffs on 99% of Indian exports to the UK and significantly reduce duties on British products such as whisky and cars. The agreement is expected to double bilateral trade to \$120 billion by 2030 and boost sectors



including textiles, leather, and IT. During his visit, Modi will hold talks with Prime Minister Keir Starmer, review the Comprehensive Strategic Partnership, and meet King Charles III, marking a new era in India-UK relations.

## PM Modi to launch projects and strengthen ties during Maldives visit



21-Jul-25

Prime Minister Narendra Modi is set to inaugurate several developmental projects during his two-day visit to the Maldives starting July 25, marking his first trip since beginning his third term. He will engage in high-level discussions with President Muizzu on bilateral and regional issues, followed by the signing of MoUs to enhance cooperation across various sectors. The visit is especially significant as it coincides with the 60th anniversary of Maldives independence and diplomatic relations with India. This long-standing relationship, bolstered by India's timely assistance during crises, underscores India's strategic role as a trusted partner in the region, reinforcing mutual respect and collaboration.

## UK and Germany Discuss Military Aid for Ukraine Amid Rising Tensions



21-Jul-25

The U.K. and Germany are leading a virtual meeting to discuss military support for Ukraine, amid escalating Russian attacks and U.S. President Trump's push for NATO allies to send American weapons. German Chancellor Friedrich Merz announced plans to finance new Patriot air defense systems for Ukraine, while Switzerland may expedite previously ordered systems. Despite preparations for weapons transfers, delivery timelines remain uncertain, with officials indicating it could take days or weeks. Meanwhile, Ukrainian President Zelenskyy has proposed new peace talks, but the Kremlin maintains that achieving its goals remains a priority, highlighting the ongoing geopolitical complexities in the region.

## Taiwan Reports Increased Chinese Military Incursions and Threats



21-Jul-25

Taiwan's Ministry of National Defense reported recent incursions by Chinese aircraft and naval vessels, highlighting increasing military provocations from China, particularly since President Lai took office. Taiwan's Vice President emphasized the need for a comprehensive national defense strategy that combines military modernization with societal resilience to counter these threats. She described

China's aggressive posturing as detrimental to regional stability and a challenge to the status quo across the Taiwan Strait. This situation underscores the heightened geopolitical tensions in the region, requiring vigilant monitoring and a robust defense response from Taiwan.

## Pakistan's Civilian Airport Claims Discredited by Internal Sources



21-Jul-25

A recent report by Dawn has exposed Pakistan's misleading narrative regarding the Rahim Yar Khan Airport, revealing that a hangar on-site is owned by the Pakistan Air Force, contradicting claims of its purely civilian status. This admission follows previous Indian Air Force operations targeting military assets, reinforcing India's position that legitimate military installations were struck. The report also highlights security lapses at a site with dual military-civilian use, raising questions about Pakistan's adherence to international norms. This revelation not only undermines Pakistan's defense communications but also stresses the necessity for regional and global actors to critically evaluate Pakistani assertions regarding infrastructure utilization.

## Indian National Ranjit Singh Abducted in Niger Amid Security Threats



21-Jul-25

Ranjit Singh, an Indian national working in Niger, has been abducted following a terrorist attack at his worksite, which also resulted in the death of two other Indian nationals. His family has made urgent pleas to the Indian government for intervention, as they face uncertainty regarding his safety. The Indian Embassy is actively engaged with local authorities to secure Singh's release while advising all Indian nationals in Niger to remain vigilant due to increasing terrorist threats. This incident reflects the deteriorating security situation in Niger, exacerbated by political instability and the rise of armed groups, posing significant risks to expatriate workers in the region.

## Vice President Dhankhar Asserts India's Sovereignty Amid Claims



21-Jul-25

India's Vice President Jagdeep Dhankhar emphasized the nation's autonomy in decision-making, responding to opposition calls for clarification on Donald Trump's claims regarding a ceasefire between India and Pakistan. Dhankhar asserted that India remains independent from external influences, stressing that

diplomatic engagements are managed solely by Indian leadership. He criticized the tendency to react to unverified foreign assertions, advocating for discernment and maturity in leadership. This stance underscores India's commitment to sovereignty and its ability to navigate diplomatic and defense matters without outside interference, reinforcing confidence in its national interests amidst international narratives.

## Bedouin clans withdraw from Sweida after U.S.-brokered ceasefire. SHARE

21-Jul-25

Syria's armed Bedouin clans have withdrawn from the Druze-majority city of Sweida following a week of clashes and a U.S.-brokered ceasefire, leading to humanitarian aid convoys entering the region amidst ongoing tensions. The conflicts, rooted in sectarian violence, have resulted in hundreds of deaths and significant displacement, with mutual accusations of provocations between Druze and Bedouin factions. U.S. envoy Tom Barrack has called for an end to hostilities, emphasizing the need for peace and dialogue in Syria's post-war landscape. This volatile situation highlights the fragility of Syria's social fabric and the complexities of its political transition.

## Himanta: China's Brahmaputra dam poses no immediate threat SHARE

21-Jul-25

Assam Chief Minister Himanta Biswa Sarma addressed concerns over China's construction of a massive dam on the Brahmaputra River, stating that he does not foresee immediate risks, as the river primarily receives its water from Bhutan and Arunachal Pradesh. He acknowledged uncertainty about the dam's impact, noting conflicting scientific opinions on whether it could reduce water flow and biodiversity or cushion floods. Sarma expressed confidence that the Indian government is engaged with China on this matter. This situation underscores the importance of diplomatic dialogue and proactive measures to safeguard India's water security while monitoring regional developments.

## Nepal PM Oli to Visit India in September; Modi to Visit Nepal in November SHARE

21-Jul-25

Nepal's Prime Minister K.P. Sharma Oli has been invited for a brief official visit to India in September, marking a significant step in rejuvenating bilateral ties after a period of engagement with China. The visit will focus on strengthening cooperation in energy, infrastructure, and people-to-people connections, building on positive

discussions at the BIMSTEC Summit. Additionally, Prime Minister Narendra Modi is expected to visit Nepal in November, emphasizing shared cultural and spiritual links. Both visits are seen as efforts to enhance trust and sustain political dialogue amid evolving regional dynamics, reflecting a commitment to practical cooperation and connectivity between the two nations.

## J&K CM advocates water projects amid Indus Treaty pause SHARE

21-Jul-25

Jammu and Kashmir Chief Minister Omar Abdullah is advocating for two key projects—the Tulbul Navigation project and the diversion of Chenab River water—to address water scarcity in Jammu, especially following a recent terrorist attack. The Indian government has paused the 1960 Indus-Water Treaty, which could provide India with the opportunity to enhance its water management strategies. This move comes amidst heightened tensions with Pakistan over its support for terrorism against India. Abdullah's push for these projects reflects a growing need for India to assert its rights under the treaty and manage its water resources more effectively, aligning with national security and development goals.

## EU sanctions on Russian oil threaten India's \$15 billion fuel exports SHARE

21-Jul-25

India's \$15 billion petroleum product exports to the European Union may be jeopardized due to new sanctions aimed at Russian oil imports, according to the Global Trade Research Initiative (GTRI). The EU's 18th sanctions package includes a ban on refined petroleum products made from Russian crude oil, impacting exports from third countries like India. This move reflects the EU's commitment to reducing Russian energy revenues while potentially disrupting trade relationships. India's energy sector must strategize to mitigate risks, possibly by diversifying export markets or enhancing domestic refining capabilities, to sustain economic growth amidst evolving geopolitical dynamics.

## Military Operations

### Bangladesh Air Force training aircraft crashes, killing 19 and injuring many. SHARE

21-Jul-25

A tragic incident occurred in Dhaka, Bangladesh, where a training aircraft belonging to the Bangladesh Air Force crashed into a college and school campus, resulting in at least 19 casualties and over 50 individuals hospitalized due to burns and injuries. The F-7 BGI aircraft took off at 13:06 GMT before crashing into the Milestone School and College in the Uttara area, causing significant destruction and chaos, as portrayed in videos showing a large fire and smoke emanating from the wreckage. Witness accounts described the shock and horror of the explosion, with local officials, including the head of the interim government, promising a thorough investigation into the accident and support for the affected families. This incident raises concerns about the safety measures in place for military aircraft and the broader implications for air force operations in densely populated urban environments. Furthermore, it highlights the importance of rigorous training protocols and stringent technical evaluations to prevent such catastrophic failures in the future, emphasizing that the loss of life, especially involving children, is a profound tragedy that the nation must address with utmost seriousness and sensitivity.

### Ukrainian Drones Successfully Target Rare Russian Jamming System SHARE

21-Jul-25

In a significant escalation of electronic warfare between Ukraine and Russia, Ukrainian drones have successfully destroyed a rare and costly Russian electronic warfare (EW) system near the frontlines. On July 20, 2025, the Ukrainian military released video footage showing the precision strike on the Russian system, which is believed to hamper the effectiveness of Ukrainian unmanned aerial vehicles. This development follows a wave of intense drone activity, with Ukraine launching dozens of drones deep into Russian territory, resulting in the temporary shutdown of all major airports in Moscow and extensive delays reported on July 21. The targeted system, one of the few of its kind identified on the battlefield, was designed to jam communication and control signals for both drones and military units. The strike demonstrates Ukraine's growing capabilities in locating and

neutralizing advanced Russian EW assets. In addition to the EW system, Ukrainian troops reportedly destroyed or damaged multiple Russian military vehicles and drones amid ongoing drone and missile barrages that have intensified over the past three days on both sides, reflecting a rapid evolution of drone warfare tactics and countermeasures.

### Russia escalates drone and missile attacks on Kyiv, killing one. SHARE

21-Jul-25

Russia has intensified its aggression against Ukraine, launching a new wave of drones and missiles that resulted in at least one fatality in Kyiv and significant damage across multiple districts, including a subway station and a kindergarten. Explosions reverberated through the city as air defense systems attempted to intercept the attacks, while Kharkiv also experienced multiple explosions, indicating a broader assault on urban centers. This ongoing conflict underscores the volatility in the region and the challenges Ukraine faces in protecting its civilian infrastructure amid such hostile actions, highlighting the imperative for robust defense strategies and international support for Ukraine's sovereignty.

### UK F-35B fighter jet in Thiruvananthapuram cleared to fly again. SHARE

21-Jul-25

A British F-35B Lightning II fighter jet, grounded in Thiruvananthapuram since June 14, is set to fly again after repairs by a specialized team from the US and UK. The aircraft, known for its STOVL capabilities, was forced to land while returning from joint maritime exercises with the Indian Navy in the Indo-Pacific. After addressing hydraulic system failures, final clearance was granted for its return, with its next destination still uncertain. The incident has sparked social media discussions, highlighting both the challenges and camaraderie in international military operations, especially in collaboration with the Indian Navy.

### Security Forces' Quadcopter Loses Control in Ambala Training Exercise SHARE

21-Jul-25

A quadcopter operated by security forces experienced a technical failure during a training sortie in Ambala, leading to a loss of communication and an uncontrolled descent into an open area. Fortunately, the incident resulted in no property damage or civilian injuries. Local police and military personnel quickly responded to

secure the site, ensuring safety and order. Investigations are underway to address the technical issues and prevent future occurrences. This incident highlights the importance of robust training protocols and technological reliability in unmanned systems, crucial for maintaining operational readiness within India's defense forces.

## Security forces defuse IED in Arunachal Pradesh ahead of Independence Day.

 **SHARE**

21-Jul-25

Security forces, including the Assam Rifles and CRPF, successfully defused an improvised explosive device (IED) in Namsai district, Arunachal Pradesh, averting a potential disaster ahead of Independence Day celebrations. The IED was located near Nongtaw village and was neutralized through a joint operation involving local police and a bomb disposal team. This operation underscores the proactive measures taken by Indian security forces to enhance safety and security in sensitive regions. Recent recoveries of arms in the nearby Changlang district further highlight the ongoing vigilance required to counter insurgent activities, reflecting a strong commitment to maintaining peace and stability in the area.

## Terrorism and Counterterrorism

### NIA Dossier Reveals TRF's Links to LeT and Recent Attacks

 **SHARE**

21-Jul-25

The United States' recent designation of The Resistance Front (TRF)—a proxy of Lashkar-e-Taiba (LeT)—as a Foreign Terrorist Organization (FTO) marks a watershed moment in international efforts to combat terrorism targeting India. Announced on July 18, 2025, by Secretary of State Marco Rubio, the move comes just months after TRF claimed responsibility for the April 22 Pahalgam attack, which left 26 civilians dead in one of the deadliest assaults in Jammu and Kashmir since the 2008 Mumbai attacks. This measure tightens the financial noose on TRF by freezing assets and barring international transactions, aiming to cripple its cross-border operations. Indian officials widely welcomed the decision, seeing it as a clear affirmation of New Delhi's longstanding accusations against Pakistan for harboring and sponsoring terrorist groups. Despite this, Pakistan's government publicly questioned the US designation, asserting that investigations into the Pahalgam attack remained inconclusive and

denying actionable links to LeT. The US House Committee on Foreign Affairs strongly supported the FTO designation, declaring that atrocities against civilians require justice rather than leniency. Meanwhile, security operations in Kashmir remain intense, with Indian forces recently launching major counter-terror offensives in regions such as Kishtwar, underscoring the ongoing challenges. While the FTO designation isolates TRF globally and bolsters India's diplomatic posture, experts emphasize continued vigilance, as Pakistan's military establishment has historically resisted sustained international pressure to curb its support for proxy outfits.

### ULFA's Comeback: Turning Setbacks into Political Leverage

 **SHARE**

21-Jul-25

United Liberation Front of Asom (ULFA) has reentered the spotlight after a dramatic series of attacks on its camps in Myanmar's Sagaing region on July 13, 2025, an operation the group attributes to Indian security forces. The strikes, reportedly carried out with over 150 drones during the early hours, killed three senior ULFA leaders, including Nayan Asom, Ganesh Asom, and Pradip Asom, and wounded 19 others. The Indian Army has officially denied any involvement in the attack, leaving the true perpetrators shrouded in controversy. In the aftermath, ULFA, led by the elusive Paresh Baruah, has actively shaped the narrative, presenting itself as a victim of cross-border aggression to garner public sympathy and reposition itself in regional discourse. This incident comes just ahead of the Assam assembly elections, coinciding with a wave of political realignment as former ULFA commanders and leaders join mainstream parties. Baruah's efforts to exploit the attack underscore ULFA's bid for renewed political leverage and international attention, reaffirming the complex security dilemmas India faces in the northeast.

### High Court Acquits All Accused in 2006 Mumbai Train Blasts

 **SHARE**

21-Jul-25

In a dramatic legal reversal, the Bombay High Court has acquitted all 12 men previously convicted in the 2006 Mumbai train blasts that killed 189 and wounded over 800. Much of the original prosecution centered on the accused's alleged connections to banned terrorist groups, primarily Lashkar-e-Taiba (LeT) and the Students Islamic Movement of India (SIMI). According to investigations, the conspiracy for the attacks was allegedly crafted by LeT commander Azam Cheema in



Pakistan, with SIMI members collaborating on the ground. Several of the accused—including Faisal Shaikh and his brother Muzammil—were alleged to have received arms training in Pakistan, reportedly posing as pilgrims to reach training camps, and were monitored by Indian authorities for years. The prosecution maintained that some accused facilitated the illegal entry and shelter of Pakistani operatives, acquired bomb-making materials, and provided logistics for the attacks. Other charges included earlier involvement in hawala transactions, terror funding, and assembly of explosives. However, during the nearly two-decade-long legal battle, the High Court ultimately ruled that the prosecution failed to prove these terror links or prior criminal acts beyond reasonable doubt, citing unreliable evidence, retracted confessions, and contradictions by investigating agencies. The case highlights persistent challenges in convicting individuals where intelligence about terrorist connections exists but incontrovertible proof for specific acts is absent

### **Search operation resumes in Kishtwar to locate Hizbul terrorists.**

21-Jul-25

Security forces in Jammu and Kashmir's Kishtwar district resumed intensive search operations on July 21, 2025, in a renewed effort to locate Hizbul Mujahideen terrorists following a brief exchange of gunfire in the Khankoo forest. The operation, launched after credible intelligence inputs hinted at terrorist movement in the area, gained urgency as two high-profile militants believed to be hiding locally are each carrying substantial bounties totaling Rs 60 lakhs. The security forces, overcoming significant challenges posed by dense forests and rugged mountainous terrain, deployed drones and sniffer dogs to improve tracking. Additional reinforcements joined the operation after terrorists opened fire during the Cordon and Search Operation (CASO) on Sunday, underscoring the volatility in the region. This search drive follows closely on the heels of last week's devastating attack in Rajouri where 26 civilians were killed, heightening nationwide security concerns. Parallely, Operation Sindoor, India's counter-terrorism campaign targeting cross-border militant infrastructure, has been intensified to preempt further infiltrations. These ongoing operations reflect a determined strategy aimed at uprooting terror networks and reinforcing security across Jammu and Kashmir.

### **Three BKI operatives arrested for grenade attacks in Patiala**

SHARE

21-Jul-25

In a significant counter-terrorism operation, the Punjab Police arrested three operatives of the Babbar Khalsa International (BKI) terrorist group on July 19, 2025, for their alleged involvement in recent grenade attacks targeting police posts in Patiala, Punjab, and Haryana. The crackdown comes days after a series of coordinated attacks between July 16 and 18, which raised grave concerns about the resurgence of extremist activities in northern India. Police teams recovered two hand grenades and two pistols from the suspects during simultaneous raids in Patiala. According to Director General of Police Gaurav Yadav, preliminary investigations revealed that the accused were receiving direct instructions and logistical support from BKI handlers based abroad, specifically Maninder Billa and Manu Agwan, believed to be operating out of Pakistan. Law enforcement sources suggest these foreign handlers played a crucial role in orchestrating the attacks, providing funds, and identifying vulnerable targets in an effort to destabilize the region and incite fear among the local population. Intelligence intercepts and digital forensics have further revealed the accused's digital communications with their handlers via encrypted messaging platforms over the weeks leading to the attacks. The arrests come amid heightened security alerts across Punjab ahead of the monsoon festival season, as authorities tighten vigil near sensitive installations and step up coordination with central agencies. The seizures and swift police action underscore the ongoing threat posed by international terror networks exploiting cross-border connections and highlight the urgent need for enhanced intelligence-sharing and proactive vigilance to safeguard regional peace.

### **Cybersecurity and Information Warfare**

### **CoinDCX cyberattack: \$44 million stolen, customer funds safe**

SHARE

21-Jul-25

Indian cryptocurrency exchange CoinDCX recently experienced a sophisticated cyberattack on July 19, resulting in the theft of \$44 million from an internal account. Fortunately, customer funds were not affected as user assets are securely stored in cold wallets. The company is actively investigating the breach and has implemented measures to enhance security, including a

potential bug bounty program. This incident underscores the vulnerabilities within the crypto ecosystem, following a previous hack of WazirX in 2024, and raises the urgency for Indian exchanges to fortify their security protocols amidst a largely unregulated industry, where the government has imposed heavy taxation on crypto transactions.

## India's Digital Payment Growth Demands Enhanced Security Measures SHARE

21-Jul-25

India's digital payments ecosystem is experiencing rapid growth, with a projected 34.8% increase in volume and 17.9% in value for 2024-25. However, this surge brings significant security challenges, including a reported 85% rise in UPI fraud, highlighting the need for enhanced cyber resilience. To maintain trust and operational continuity, financial institutions must adopt a security-first approach, leveraging AI for real-time threat detection and automated responses. As digital transactions become central to India's economy, embedding resilience into the payment infrastructure is crucial to sustain growth and secure consumer confidence while supporting the nation's ambition to lead in global payment innovations.

## Mil Personnel & Veterans

### DMRL in Hyderabad seeks applicants for 6-month paid internship SHARE

21-Jul-25

The Defence Metallurgical Research Laboratory (DMRL) in Hyderabad is inviting applications for a 6-month paid internship aimed at final-year engineering and science students from specific disciplines. The internship offers a monthly stipend of Rs. 5,000, with no boarding or lodging expenses covered. Eligible candidates must have a minimum CGPA of 6.0 and be under 28 years old. This initiative not only fosters skill development among youth but also strengthens India's defense research capabilities by engaging fresh talent in advanced materials and technologies, vital for national security and innovation in defense applications.

## Miscellaneous

### Ajay Vyshampayan's Novel Honors Indian Air Force Heroes and Families SHARE

21-Jul-25

Ajay Vyshampayan's new novel, "Off to the Skies", poignantly highlights the emotional struggles of Indian Air Force pilots and their families. This literary work not only celebrates the bravery of these servicemen but also delves into their personal sacrifices, portraying the duality of duty and love. By focusing on the untold stories of military families, Vyshampayan crafts a narrative that resonates with all Indians, reminding readers of the human cost of freedom. The book serves as a tribute to everyday heroes, emphasizing that true patriotism lies in the sacrifices made in silence, leaving a profound impact on the lives of those who serve and their loved ones.

### Southern Command Clinches Army Volleyball Championship Title SHARE

21-Jul-25

The Southern Command team triumphed in the Army Inter Command Volleyball Championship for 2025-26, held at the 1 EME Centre in Secunderabad from July 14 to 19. The championship featured intense competition among six Army Commands and aimed to promote sportsmanship while selecting players for the upcoming Services Volleyball Championship. The final showcased a thrilling match against the Western Command, with Southern Command winning decisively with scores of 25-16, 25-20, 23-25, and 25-20. Brigadier Prashant Bajpai praised the players for their dedication and skill, emphasizing the importance of such events in fostering camaraderie and excellence within the Indian Army.

### Mizoram trains officials for biometric enrolment of refugees SHARE

21-Jul-25

The Mizoram government is training district officials to conduct biometric enrolment of approximately 35,000 Myanmar and over 2,370 Bangladeshi refugees amidst the ongoing influx due to the Myanmar military coup and ethnic strife in Bangladesh. The enrolment process, supported by the Ministry of Home Affairs with an allocation of Rs 38 lakh, aims to ensure proper identification of displaced individuals. Despite recent armed clashes, many refugees have returned home as the border situation stabilizes. This initiative

underscores India's commitment to humanitarian assistance while managing border security effectively, reflecting the cultural affinity between the Mizos and the refugees, promoting regional stability and cooperation.

## PM Modi Celebrates Indian Forces' Success in Operation Sindoor



21-Jul-25

Prime Minister Narendra Modi hailed the Monsoon Session of Parliament as a "celebration of victory," highlighting the success of India's Operation Sindoor against terrorist infrastructures in Pakistan, where the armed forces achieved all objectives within just 22 minutes. Modi emphasized India's enhanced military capabilities, driven by indigenous defense production, and noted that the global community is increasingly impressed by India's military strength. He also addressed domestic challenges like Naxalism, asserting that security forces are making significant strides in eradicating it. This session, perceived as a symbol of national pride, faces opposition scrutiny regarding recent security incidents while focusing on various legislative matters.

## PM Modi Calls for Unity Among MPs Amidst Opposition Protests



21-Jul-25

Prime Minister Narendra Modi urged all Members of Parliament to demonstrate unity on the opening day of the Monsoon Session, as both Lok Sabha and Rajya Sabha descended into repeated adjournments amid vociferous opposition protests. The Opposition, led by the Congress, demanded an immediate discussion on Operation Sindoor, undertaken by Indian armed forces in response to the April 22 Pahalgam terror attack that claimed 26 lives. Despite appeals by Speaker Om Birla for decorum, the Lok Sabha saw four adjournments on July 21, with opposition MPs insisting that Operation Sindoor and US President Donald Trump's mediation claims be addressed on the floor. Rajya Sabha Chairman Jagdeep Dhankhar assured that a comprehensive debate on Operation Sindoor would be held, while senior government ministers reiterated their willingness to discuss all issues. The Monsoon Session, which began on July 21 and is scheduled through August 21, is expected to be turbulent, with 16 hours allotted in the Lok Sabha and 9 hours in the Rajya Sabha for debating Operation Sindoor and related matters. The session also witnessed the submission of impeachment notices against a sitting judge, adding to the political drama.

## India to Modify Nuclear Laws to Boost Private Investment



21-Jul-25

In a significant policy shift, the Indian government is advancing legislative amendments to the Atomic Energy Act and the Civil Liability for Nuclear Damage Act, aiming to boost private and foreign investment in the country's nuclear power industry. Over the past few days, Union Minister Jitendra Singh reaffirmed that the amendments are intended to address investor concerns by clarifying liability norms and bringing India's legal framework in line with global standards. The changes, reaffirmed in the 2025 Union Budget, are expected to open the door for phased foreign direct investment of up to 49%, enable public-private partnerships, and accelerate the deployment of emerging technologies such as Small Modular Reactors (SMRs). An allocation of ₹20,000 crore has been earmarked for the development of five indigenously designed SMRs by 2033, underscoring the government's focus on innovative, scalable solutions for decarbonizing industry and expanding clean baseload power. Domestic giants like Reliance, Tata, Adani, and Vedanta, along with international firms including Westinghouse, EDF, and Rosatom, have expressed strong interest in participating. The strategic reforms are integral to India's roadmap for scaling nuclear power capacity from the current 8.88 GW to 100 GW by 2047, aligning with national energy security and net zero ambitions. The draft amendments could be tabled for parliamentary approval as early as the upcoming monsoon session.

## Chinese Attache Donates Prosthetic Leg to PAF Officer Injured by India



21-Jul-25

The Chinese PLA Defence Attaché in Islamabad has recently donated a state-of-the-art prosthetic leg to Flight Lieutenant Sarosh of the Pakistan Air Force, who lost his limb during the reported Indian missile strike on Bholari Air Base in Sindh province. The private ceremony, held in July 2025 and attended by senior PAF and Chinese embassy officials, is seen as a powerful gesture reflecting the strengthening strategic and military partnership between China and Pakistan amid deepening regional tensions. The missile attack on May 10, 2025, part of India's Operation Sindoor, targeted multiple Pakistani airbases, with Bholari suffering significant casualties, including the death of Squadron Leader Usman Yousaf and injuries to several others, including Sarosh. While both Indian and Pakistani authorities have maintained a degree of ambiguity in

public statements, the aftermath has triggered heightened discourse about the increasing operational cooperation between Beijing and Islamabad—ranging from arms transfers to real-time battlefield support. Recent comments from Chinese officials term such defence collaboration as “normal,” reinforcing China’s commitment to supporting Pakistan amid ongoing India-China border disputes and renewed geopolitical maneuvering in the Indo-Pacific.

## UIDAI Enhances Measures to Combat Aadhaar Fraud and Misuse



21-Jul-25

The Unique Identity Authority of India (UIDAI) is enhancing measures to combat Aadhaar and UID fraud, focusing on stricter controls for changing birth dates and biometrics while leveraging AI and machine learning technology for verification. UIDAI's CEO, Bhuvnesh Kumar, highlighted the agency's direct access to 35 state databases to ensure document authenticity during Aadhaar applications. The aim is to create a robust and secure identity platform, minimizing fraudulent attempts, including mixing biometrics. Moreover, UIDAI has rejected numerous applications from foreigners trying to obtain Aadhaar inappropriately, reinforcing its commitment to maintaining the integrity of the system while transitioning to a fully online application process.

## IIT Students' Eight Chipsets Sent to Fabs Under India Semiconductor Mission



21-Jul-25

India is making significant strides in its semiconductor ecosystem, with eight chipsets designed by IIT students

sent to fabs as part of the government's India Semiconductor Mission. Minister Ashwini Vaishnaw announced plans for India to produce its first commercial-scale semiconductor chip by 2025, supported by six approved or developing fabrication plants that will enhance manufacturing capabilities. The initiative is bolstered by extensive use of advanced electronic design automation tools across educational institutions, which have empowered students to engage in high-impact research. Additionally, India's electronics exports have surged to over \$40 billion, reflecting the rapid growth of the electronics and semiconductor sectors, positioning India as a potential global leader.

## Kharge calls Trump's ceasefire claims humiliating for India



21-Jul-25

In a recent discussion in the Rajya Sabha, Leader of Opposition Mallikarjun Kharge criticized US President Donald Trump's claims of mediating a ceasefire between India and Pakistan during Operation Sindoor as humiliating for the nation. Kharge, along with Congress members, demanded clarifications from the government regarding the Pahalgam terror attack and Trump's assertions, leading to a brief adjournment and a walkout by Congress. This highlights the ongoing tensions in India-Pakistan relations and the importance of maintaining national dignity in international discourse, emphasizing the need for the Indian government to assert its position firmly on such sensitive matters.

*Disclaimer: This newsletter provides an independent analysis of news articles and reports published across various media outlets over the past 24 hours. The views and opinions expressed herein are those of the individual authors and do not necessarily reflect the official stance of the publishers or any affiliated organizations. The publishers are not responsible for the accuracy, completeness, or reliability of the content analyzed and make no representations regarding the information contained herein. Readers are encouraged to consult original sources for verification and further context; access to the list of original sources analysed can be made available upon request via email.*

Subscribe to DefenceProfessionals Whatsapp Channel





# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
MACPOWER	0.0	1073.9	1050.5	1050.5	1575	11.8	73.41	869.67	1184.3
JYOTICNC	1028.9	1084.0	1020.0	1075.2	1462087	5.34	50.24	1053.65	1130.77
SWANDEF	306.25	306.25	306.25	306.25	537	5.0	99.98	200.42	30.28
DCXINDIA	270.9	282.85	268.65	281.25	940453	3.36	47.47	279.98	301.31
MARINE	189.96	199.0	189.2	195.96	186364	3.16	39.52	205.17	214.27
BDL	1671.6	1726.5	1647.2	1718.4	2581371	2.8	36.02	1872.58	1366.85
GOODLUCK	1136.7	1174.0	1133.2	1168.7	156683	2.57	61.92	1135.36	900.06
HAL	4651.7	4758.1	4633.0	4751.0	1126412	2.13	41.56	4882.49	4305.13
APOLLO	177.81	182.9	175.99	180.55	2216791	1.95	46.27	187.79	129.33
ZENTEC	1865.1	1909.9	1838.0	1905.9	247071	1.37	50.74	1908.29	1778.79
BEL	394.6	400.95	391.1	399.95	12980473	1.32	45.76	414.22	313.92
AXISCADES	1350.0	1374.6	1300.0	1363.0	70824	1.31	53.04	1404.72	811.86
LT	3467.6	3508.1	3444.9	3502.8	1521623	1.1	40.76	3574.61	3503.01
ASTRAMICRO	967.6	983.9	956.0	978.5	382164	0.97	37.64	1030.11	829.32
PTC	190.03	191.88	188.3	190.89	837188	0.95	65.43	182.75	167.24
IDEAFORGE	551.9	554.9	539.0	547.85	247604	0.94	43.13	577.8	520.54
ADANIENT	2596.3	2624.9	2585.0	2619.5	369782	0.9	58.42	2592.86	2501.46
MIDHANI	418.15	425.3	414.55	421.35	398472	0.5	49.56	426.87	343.66
COCHINSHIP	1865.0	1899.0	1830.0	1876.3	1051368	0.49	36.43	2010.04	1602.23
BHARATFORG	1216.6	1225.6	1210.8	1220.8	418077	0.35	40.3	1266.09	1245.23
SOLARINDS	14896.0	15149.0	14851.0	14926.0	179346	0.13	29.23	16303.0	11847.28
KRISHNADEF	847.25	857.4	844.1	848.85	21750	-0.21	41.86	885.39	739.26
BEML	4412.7	4441.8	4352.0	4373.2	395593	-0.64	47.38	4497.74	3687.76
DYNAMATECH	7302.0	7465.0	7162.0	7215.5	13782	-0.7	53.92	7185.47	7115.04
LOKESHMACH	217.0	217.0	208.8	212.02	41872	-0.73	55.13	205.83	252.33
ROSSELLIND	68.0	70.1	68.0	68.28	30228	-0.78	41.13	70.7	74.8
TANEJAERO	483.0	483.0	473.2	473.4	5143	-0.83	61.12	464.28	384.87
HBLPOWER	599.35	603.85	593.3	596.45	496148	-0.98	47.11	610.15	559.05
MAZDOCK	2980.0	2989.8	2925.0	2951.7	1559002	-1.02	30.75	3190.13	2570.29
DATAPATTNS	2750.7	2752.4	2627.1	2728.2	406644	-1.06	38.76	2896.28	2317.94
SIKA	1213.2	1223.65	1190.0	1199.4	27642	-1.14	41.98	1334.81	693.08
AZAD	1634.8	1636.5	1611.3	1616.0	104330	-1.14	48.69	1612.25	1567.22
GRSE	2605.0	2642.2	2555.1	2586.2	782808	-1.22	36.55	2865.62	1909.57
CFF	655.0	661.0	642.0	646.05	77400	-1.25	52.29	646.87	582.62
SUNITATOOL	768.0	840.0	763.0	790.0	10125	-1.25	48.17	809.29	741.34
WALCHANNAG	212.15	218.0	208.55	211.73	101644	-1.34	43.44	220.05	231.11
CENTUM	2325.8	2371.0	2242.1	2291.0	14849	-1.5	48.13	2335.47	1854.01
RELINFRA	390.3	392.5	378.4	383.95	762841	-1.63	52.42	389.66	290.35
RTNINDIA	61.05	61.39	59.8	60.13	3263354	-1.72	49.63	62.42	56.18
MTARTECH	1556.1	1556.1	1525.0	1529.7	43883	-1.75	36.74	1570.52	1565.4
HIGHENE	720.85	720.85	720.85	720.85	1887	-2.0	42.92	774.52	603.66
NIBE	1659.8	1669.55	1626.0	1636.55	7756	-2.1	47.43	1655.55	1521.29
URAVIDEF	507.05	534.0	507.05	522.4	3350	-2.12	59.78	499.8	444.36
PREMEXPLN	525.0	526.95	512.5	513.5	219099	-2.25	34.21	558.17	468.84
DRONACHRYA	81.0	81.06	78.38	80.48	74000	-2.45	39.85	85.93	97.09
PARAS	794.9	795.8	772.0	774.9	545303	-2.58	41.75	825.92	591.13
LMW	16175.0	16273.0	15667.0	15714.0	5490	-2.85	35.18	16440.8	16200.71
TECHERA	224.8	224.8	210.2	211.0	38400	-3.45	54.66	205.06	-
AVANTEL	151.12	151.5	143.12	144.83	1721743	-4.16	37.68	157.01	143.56
TEMBO	0.0	499.8	499.8	499.8	19933	-7.92	51.9	492.07	578.81