

# Defence Professionals News & Analysis

December 22,2024 | Day 357

#### **Top Gainers**

| Stock      | Close   | Prev    | Change |
|------------|---------|---------|--------|
| MTARTECH   | 1722.2  | 1627.35 | +5.83% |
| DATAPATTNS | 2567.75 | 2487.7  | +3.22% |
| ZENTEC     | 2493.05 | 2424.0  | +2.85% |
| DCXINDIA   | 329.8   | 327.45  | +0.72% |
| BDL        | 1239.25 | 1231.85 | +0.6%  |

#### **Top Losers**

| Stock      | Close  | Prev    | Change |
|------------|--------|---------|--------|
| PREMEXPLN  | 536.25 | 577.35  | -7.12% |
| MAZDOCK    | 4724.1 | 5038.8  | -6.25% |
| ASTRAMICRO | 797.3  | 842.9   | -5.41% |
| GRSE       | 1572.2 | 1654.75 | -4.99% |
| BEML       | 4073.8 | 4281.9  | -4.86% |

#### **Defense Business and Industry**

#### RRP S4E Innovations Secures ₹102 Crore Defense Ministry Contract Share

22-Dec-24

RRP S4E Innovations has secured a significant order worth 102 crore from the Defence Ministry, underscoring its expanding presence in India's defense sector, particularly in electro-optic solutions essential for surveillance and reconnaissance. Founded in 2018 by Rajendra Chodankar, the company specializes in advanced optical devices like night vision and thermal imaging systems. This contract not only enhances RRP S4E's market position but also supports its ambitious revenue goal of surpassing 500 crore by 2025. Such developments reflect India's commitment to boosting indigenous defense capabilities and fostering the growth of domestic defense industries.

#### BrahMos-NG Production Set for 2025 Amid New Export Deals Share

22-Dec-24

BrahMos Aerospace is set to begin production of the BrahMos-NG missile variant by late 2025 or early 2026, with a focus on establishing a secure manufacturing facility. The company anticipates signing new export contracts soon, following the successful delivery of BrahMos missiles to the Philippines. The BrahMos-NG will be a more compact, advanced missile designed for aerial platforms like the Su-30MKI, aimed at enhancing speed, lethality, and stealth capabilities. Additionally, the company is exploring hypersonic missile technology, positioning itself strategically in the

evolving defense landscape and reinforcing India's role as a significant player in global defense exports.

#### Indian Army unveils AI Incubation Centre in Bengaluru for innovation Share

22-Dec-24

The Indian Army has inaugurated the Artificial Intelligence Incubation Centre (IAAIIC) in Bengaluru, showcasing its commitment to technological advancement and operational readiness. This centre, developed in partnership with Bharat Electronics Limited, aims to foster innovation in Al applications, such as predictive maintenance and enhanced surveillance, while promoting indigenous talent and reducing reliance on foreign technologies. Equipped with a powerful supercomputer, the IAAIIC is positioned to give the Indian Army a strategic edge in multi-domain warfare, aligning with national priorities for self-reliance and innovation. This initiative underscores the Army's dedication to modernizing its capabilities and addressing contemporary security challenges effectively.

### ONGC Secures Four HAL Dhruv NG Helicopters for Offshore Ops Share

22-Dec-24

Pawan Hans has secured a 10-year contract worth over Rs 2,141 crore from ONGC to provide four HAL-manufactured Dhruv NG helicopters for offshore operations. These helicopters, part of India's advanced indigenous defense manufacturing initiative, will enhance personnel transportation to offshore duty locations. The Dhruv NG, a civil variant of the Advanced Light Helicopter Mk III, has demonstrated substantial operational reliability, with over 375,000 flight hours logged. This contract underscores the growing capability of India's defense industry to meet both

military and civilian needs, contributing to self-reliance in defense manufacturing and bolstering operational efficiency in critical sectors like oil and gas.

### HAL Elevates Tejas Performance with Advanced Composite Materials Share

22-Dec-24

Hindustan Aeronautics Limited (HAL) has made significant advancements in composite materials with the Tejas Light Combat Aircraft (LCA), enhancing its performance and stealth capabilities. Comprising approximately 45% composite materials, the Tejas achieves a 20% reduction in airframe weight, resulting in improved fuel efficiency and combat range. The use of carbon composites also lowers the aircraft's radar cross-section, crucial for modern combat. Although composites are costlier than traditional materials, their long-term strategic benefits justify the investment, promoting India's technological sovereignty reducing dependency on foreign suppliers. This positions the Tejas as a formidable light fighter, enhancing India's defense capabilities while prioritizing national security.

### IAF Explores Wet Lease of Airbus A330 MRTT for Refueling Needs S SHARE

22-Dec-24

The Indian Air Force (IAF) is considering a wet lease arrangement for an Airbus A330 MRTT from the French Air Force to enhance its aerial refuelling capabilities, addressing gaps in its current fleet reliant on ageing IL-78 tankers. Airbus has proposed supplying six A330 MRTT aircraft, previously stalled by cost concerns. Concurrently, Hindustan Aeronautics Limited (HAL) offers a cost-effective alternative by converting Boeing 737s for refuelling roles, pending IAF's formal tender. The success of the wet lease could lead to a renewed tender for A330 MRTTs, but HAL's economical option remains a viable consideration for non-intensive missions.

### MIDHANI Delivers Titanium and Superalloys for Tejas MkII Share

22-Dec-24

MIDHANI has successfully shipped its first batch of titanium and superalloy products for the Tejas MkII program, a significant advancement for India's indigenous light combat aircraft. These materials are essential for the aircraft's airframe and structural integrity, ensuring high strength and reduced weight. As a critical partner in this project, MIDHANI's collaboration with CEMILAC and DGAQA guarantees

adherence to rigorous quality standards. The Tejas MkII, featuring upgrades in avionics and payload capacity, is set to fill the gap between current models and medium-weight fighter jets, with its prototype expected to be unveiled by late 2025, enhancing the Indian Air Force's operational capabilities.

### DRDO Boosts Naval Defense with Advanced NASM-MR Control Surfaces Share

22-Dec-24

The Defence Research and Development Organisation (DRDO) is advancing India's naval capabilities through the Naval Anti-Ship Missile-Medium Range (NASM-MR) project, focusing on the fabrication of crucial control surfaces that enhance missile maneuverability and precision. This development aligns with Atmanirbhar Bharat initiative, promoting self-reliance in defense technology and reducing dependency on foreign suppliers. Utilizing advanced materials and manufacturing technologies, the NASM-MR aims to counter regional naval threats, especially from China's growing presence in the Indian Ocean. The integration of these control surfaces will undergo extensive testing, marking a significant step in enhancing the Indian Navy's operational capabilities and strategic autonomy.

#### IAF and Dassault to Integrate Astra MkI Missiles on Rafale Jets Share

22-Dec-24

Dassault Aviation and the Indian Air Force (IAF) are set to integrate the indigenous Astra MkI Beyond Visual Range Air-to-Air Missiles onto the Rafale fighter jets starting with captive flight trials by mid-2025. This initiative aims to replace the French MICA missiles, enhancing the cost-effectiveness and operational flexibility of the IAF's fleet while promoting indigenous defense technology. The integration process includes captive flight trials, software development for missilesystem compatibility, and subsequent live firing tests to validate performance. This development underscores India's commitment to advancing its defense capabilities and maintaining aerial superiority through indigenous innovations.

### Embraer Offers Praetor 600 to Boost India's AEW&CS Range S SHARE

22-Dec-24

Embraer is in discussions with the Indian Air Force (IAF) to enhance its Airborne Early Warning and Control System (AEW&CS) capabilities by proposing the Praetor 600 jet, following the end of ERJ145 production. The Praetor 600 offers nearly double the operational range

and superior performance, including a higher service ceiling, which could significantly improve surveillance operations. This proposal addresses the IAF's need for advanced systems while reducing reliance on aging platforms. The Ministry of Defence and IAF will now assess the Praetor 600 against operational requirements and budget constraints, as they explore options for expanding India's AEW&CS capabilities.

#### India's Rustom-1 UAV Transforms into Armed SRUAV-W with ATGMs SHARE

22-Dec-24

India's Rustom-1 UAV has evolved into the Short Range Unmanned Aerial Vehicle-Weaponised (SRUAV-W), integrating four Anti-Tank Guided Missiles (ATGMs), the advanced NAG-MK2, enhancing capabilities for offensive operations alongside traditional ISR roles. This advancement signifies a pivotal step in India's indigenous UAV program, reducing reliance on foreign systems and strengthening aerial strike capabilities. The SRUAV-W's ability to engage armored targets from a standoff distance enhances its tactical utility. Ongoing tests focus on weapon integration and stability, promising a multi-role platform that complements India's growing unmanned combat aerial vehicle (UCAV) arsenal, exemplifying a significant leap towards self-reliance in defense technology.

#### **Defense Policy and Budgeting**

### India Forms Committee to Boost Air Force Capabilities Amid Threats S SHARE

22-Dec-24

The Indian Defence Ministry has established a highlevel committee under Defence Secretary Rajesh Kumar Singh to enhance the Indian Air Force's (IAF) capabilities amid growing threats from China and Pakistan. This committee will assess requirements for future combat aircraft and address gaps in the IAF's arsenal, particularly in the wake of only 36 Rafale aircraft being inducted. The committee is expected to suggest indigenous solutions to meet the IAF's ambition of acquiring over 110 advanced fighter jets, emphasizing a domestic manufacturing approach. This demonstrates India's commitment strengthening its air power and ensuring national security in a challenging geopolitical environment.

### Navy Chief Calls for Urgent Development of Third Aircraft Carrier SHARE

22-Dec-24

Admiral Tripathi emphasized the urgent need for India's third aircraft carrier due to China's naval expansion and permanent presence in the Indian Ocean. The Indian government plans to build this 45,000-tonne carrier, akin to INS Vikrant, with intentions to develop five to six more in the future to achieve strategic parity with China's projected six carriers by the 2030s. This initiative not only enhances military capabilities but also stimulates economic growth, as the shipbuilding sector generates substantial employment and economic circulation. The Navy's strategy aims to create a multidimensional force to safeguard India's national interests in an increasingly contested maritime domain.

#### **Geopolitics and Security Alliances**

### India and Russia Boost Counter-Terrorism Ties, Support UNSC Bid SHARE

22-Dec-24

India and Russia have strengthened their counterterrorism cooperation, focusing on challenges like radicalization and terror financing during the 13th Joint Working Group (JWG) meeting in Moscow. Both nations shared experiences related to cross-border terrorism and discussed the misuse of emerging technologies by terrorist groups. They reaffirmed their commitment to collaborative efforts on both bilateral and multilateral platforms, with Russia reiterating its support for India's bid for permanent membership in a reformed UN Security Council. This alignment with India's aspirations is bolstered by backing from other global powers, highlighting a growing consensus around India's role in international governance. Overall, these discussions reflect a deepening strategic partnership between India and Russia in addressing pressing global security challenges.

### Yemen's rocket hits Tel Aviv, igniting tensions and civilian tolls. Share

22-Dec-24

A rocket fired from Yemen struck Tel Aviv, injuring 16, amidst escalating tensions linked to the ongoing Israel-Hamas conflict. The Iranian-backed Houthis claimed responsibility, asserting they targeted a military site, while Israel conducted retaliatory strikes on Houthi positions in Yemen. Concurrently, Israeli airstrikes in Gaza resulted in civilian casualties, including 12

children, drawing international criticism for the high death toll. Amidst this turmoil, hospitals in northern Gaza received evacuation orders due to ongoing military operations, highlighting the humanitarian crisis as aid groups struggle to provide essential supplies amid military operations. This multifaceted conflict underscores the complexities of regional stability and the impact on civilian populations.

#### Pakistan Blames India for Missile Advancements Amid U.S. Sanctions Share



22-Dec-24

In the wake of U.S. sanctions on Pakistani entities linked to its ballistic missile program, Pakistan has countered by accusing India of advancing its long-range missile capabilities, particularly targeting the Agni-VI missile. U.S. Deputy National Security Advisor Jon Finer highlighted concerns over Pakistan's developments, which may threaten global security, while Pakistan has vehemently denied these claims, asserting its missile program is defensive. Additionally, reports reveal Pakistan attempted to pressure the U.S. to halt India's missile developments, but these demands were rejected, prompting Pakistan to focus on its own missile advancements, including ICBMs capable of reaching the U.S. This exchange underscores rising tensions in South Asia, revealing the complex geopolitical dynamics where missile capabilities influence regional security and international relations. India's strategic missile development remains vital in countering such threats and ensuring its defense posture amid escalating regional challenges.

#### **Myanmar Militant Return Fuels Ethnic** Violence in Manipur 🕟 SHARE

22-Dec-24

The return of militant groups from Myanmar has intensified ethnic violence in Manipur, India, with over 260 deaths and 60,000 displaced since May 2023. The Indian government is responding by deploying an additional 10,000 troops, raising the total to nearly 67,000. Rival factions, equipped with advanced weaponry, have engaged in conflict fueled by illegal drug trade and extortion. Meitei groups, previously allied with Myanmar's junta, now face increased scrutiny as they cross back into India, highlighting the complex interplay of local and regional conflicts. The situation demands a robust security strategy to address both the emerging threats and underlying ethnic tensions.

#### **Bangladesh Commission Claims Indian** Role in Disappearances S SHARE

22-Dec-24

An inquiry commission in Bangladesh has alleged Indian involvement in enforced disappearances during Sheikh Hasina's regime, claiming intelligence on prisoner exchanges between the two nations. The commission's interim report highlighted high-profile cases, including that of BNP leader Salahuddin Ahmed, asserting systemic practices of rendition. documented over 3,500 enforced disappearances and called for the abolition of the Rapid Action Battalion, implicated in these operations. While the commission's findings are significant, they may reflect internal political dynamics in Bangladesh rather than an objective assessment of India's role, thus warranting cautious interpretation within the context of regional geopolitics.

#### Pakistan Eyes Nuclear Submarines by 2028 Amid Regional Tensions 🕟 SHARE

22-Dec-24

Pakistan may potentially field nuclear-powered submarines by 2028, leveraging its second-strike capability primarily through the Babur-3 missile, though its limited range raises concerns. The speculation around this development includes possible assistance from China, which has supported Pakistan's naval modernization with advanced diesel-electric submarines. The Indian Navy's expansion, including its indigenous SSBN program, is driving Pakistan's efforts to enhance its maritime deterrent. While the retired commodore's insights spur discussion on regional naval competition, no official plans for Pakistan's nuclear submarines have been announced, underscoring the evolving dynamics in the Indian Ocean Region. India remains vigilant regarding these developments and their implications for regional stability.

#### Study: U.S. Nuclear Expansion May Fail to Deter China in Taiwan S SHARE

22-Dec-24

A recent CSIS and MIT war game suggests that U.S. nuclear expansions may not effectively deter China from using nuclear weapons in a Taiwan conflict. The simulation revealed complex outcomes, including scenarios where both U.S. and Chinese forces resorted to nuclear strikes, resulting in severe devastation. Analysts stress the importance of diplomatic strategies to prevent nuclear escalation, likening the situation to the Cuban missile crisis where concessions were

necessary. The study indicates that rather than expanding the nuclear arsenal, the U.S. should focus on preemptive discussions with allies to navigate potential crises effectively.

### Israeli Strikes in Gaza Claim 22 Lives Amid Ongoing Violence S SHARE

22-Dec-24

Israeli strikes in Gaza over the weekend resulted in at least 22 deaths, including children, as the military continues its campaign against Hamas, which Israel accuses of using civilians as shields. Despite a potential ceasefire agreement being discussed, the humanitarian situation is dire, with more than 90% of Gaza's population displaced and struggling in harsh winter conditions. The Vatican envoy visited Gaza to offer Mass to the Christian community amidst ongoing violence, while Pope Francis condemned the situation, highlighting the need for protection of civilians. Israel maintains it targets militants only, rejecting accusations of war crimes and emphasizing its defensive stance against Hamas's aggression.

### Zelenskiy: Ukraine's NATO Membership is Within Reach Share

22-Dec-24

Ukrainian President Volodymyr Zelenskiy stated that Ukraine's NATO membership is within reach, emphasizing the country's commitment to align with Western standards and security frameworks. He highlighted the importance of NATO support in the ongoing conflict with Russia, arguing that membership would enhance both regional stability and collective defense. This aspiration aligns with NATO's open-door policy, reflecting a strategic shift in European geopolitics towards greater integration of Eastern European nations in defense alliances. As tensions continue, Ukraine's pursuit of NATO membership underscores its determination to secure long-term security and sovereignty against external aggression.

#### China Warns US Against Military Aid to Taiwan, Calls It Provocative S SHARE

22-Dec-24

The recent U.S. announcement of military aid to Taiwan, amounting to approximately \$571 million, has drawn sharp criticism from China, which accuses the U.S. of "playing with fire" and destabilizing the Taiwan Strait. This assistance, aimed at bolstering Taiwan's defense capabilities, follows a series of prior military sales, including \$2 billion in arms earlier this month. Taiwan's Foreign Ministry welcomed the U.S. commitment,

highlighting its ongoing defense efforts against potential Chinese aggression. As tensions escalate, it becomes evident that the U.S. and Taiwan are strengthening their military ties in response to China's assertiveness, thereby reinforcing regional security dynamics in favor of democratic resilience against authoritarian challenges.

### India's Delicate Balance: Border Fencing with Myanmar S SHARE

22-Dec-24

India's cautious approach to fencing its 1,643-km border with Myanmar reflects a delicate balance between enhancing national security and respecting local ethnic ties. While the government aims to combat the flow of drugs and weapons, it faces resistance from communities with historical connections across the border. This situation underscores the complexity of border management, where national priorities can conflict with long-standing social relations. Ultimately, the Indian government must navigate these challenges with sensitivity to local sentiments while reinforcing its commitment to security and stability in the region.

### India Condemns Magdeburg Christmas Market Attack, Aids Nationals Share

22-Dec-24

India has strongly condemned the recent attack at the Magdeburg Christmas Market in Germany, which resulted in multiple casualties, including an adult and a toddler. Among the injured, seven Indian nationals were reported hurt, with three already discharged from the hospital. The Indian Mission in Germany is actively assisting and maintaining communication with the injured and their families. This incident underscores the need for global cooperation in countering terrorism, as it affects citizens worldwide, including those from India, emphasizing the importance of vigilance and solidarity in enhancing security measures.

### Jaishankar: India Will Not Accept External Vetoes on Choices Share

22-Dec-24

External Affairs Minister S. Jaishankar emphasized India's determination to assert its choices on the global stage without external vetoes. He highlighted the importance of integrating India's cultural heritage with modern technological advancements as the country strengthens its role in a multi-polar world. Jaishankar's remarks point to a renewed focus on rediscovering India's authentic identity and heritage, which were previously overshadowed by foreign models of

progress. This perspective reflects India's evolving democracy, where indigenous voices are increasingly shaping its narrative and approach to international relations. Overall, the emphasis on Bharatiyata signals a robust strategy to navigate complex global challenges while retaining cultural integrity.

#### Norway Diplomat: PM Modi Poised to Be a Global Peacemaker Share

22-Dec-24

Norway's former Minister Erik Solheim praised PM Narendra Modi's foreign policy, asserting that it positions India as a potential global peacemaker by prioritizing Indian interests without interfering in other nations' affairs. He emphasized that such an approach is essential in today's geopolitical climate, particularly concerning conflicts like Russia-Ukraine and tensions in the Middle East. Additionally, investor Mark Mobius echoed this sentiment, suggesting that Modi's diplomatic efforts could merit recognition like a Nobel Peace Prize. Solheim also highlighted India's robust economic growth, projecting that if maintained, India could match the U.S. economy by 2050, reflecting a positive trajectory for the nation on the global stage.

#### India's Strategy Against China's Potential SSBN Transfer to Pakistan Share

22-Dec-24

The potential transfer of Chinese nuclear-powered ballistic missile submarines (SSBNs) to Pakistan poses a significant threat to India's strategic balance in South Asia. In response, India may enhance diplomatic efforts within international forums to address the destabilizing implications and prioritize the acceleration of its own SSBN and nuclear-powered attack submarine programs. The Indian Navy is expected to focus on antisubmarine warfare capabilities and increase operational exercises, while possibly reassessing its nuclear doctrine to maintain credibility against Pakistan's emerging sea-based nuclear threat. This scenario underscores the necessity for India to adapt and strengthen its defense posture in a rapidly evolving geopolitical landscape.

#### **Military Operations**

### US Navy F/A-18 Downed by Friendly Fire in Red Sea Incident Share

22-Dec-24

Two US Navy pilots safely ejected after their F/A-18 fighter was mistakenly shot down by the guided-missile cruiser USS Gettysburg during operations in the Red Sea, attributed to friendly fire. This incident occurred amid heightened US military activity in the region to counter Iranian-backed Houthi attacks on commercial vessels. Prior to this mishap, US forces had successfully conducted airstrikes against Houthi missile facilities in Yemen, targeting threats to maritime security. This incident underscores the complexities and risks of modern military operations, particularly in volatile areas, emphasizing the need for improved coordination and communication among allied forces to prevent such occurrences in the future.

### INS Tushil's Historic London Visit Marks India's Naval Diplomacy Share

22-Dec-24

The Indian Navy's stealth frigate INS Tushil made its inaugural port call in London during its maiden operational deployment, as highlighted by the Indian High Commission. Commissioned on December 9, INS Tushil is an advanced Krivak III class frigate and the first of two upgraded ships from a contract signed in 2016. The ship's deployment includes joint patrols and maritime exercises with allied navies, reinforcing India's commitment to peace and stability in the Indo-Pacific. This port call follows the recent India-UK 2+2 Foreign and Defence Dialogue, further strengthening the bilateral strategic partnership. The evolving maritime ties signify a proactive approach to regional security and collaborative defense initiatives.

### IAF Evacuates 10 Injured SSB Personnel in Sikkim Bus Accident Share

22-Dec-24

On December 20, the Indian Air Force (IAF) successfully evacuated 10 personnel from the Sashastra Seema Bal (SSB) who were injured in a bus accident near Zuluk, Sikkim. Responding swiftly, the IAF deployed two Cheetah helicopters and one Mi-17V5 helicopter from Bagdogra airbase, conducting the operation under challenging weather conditions at an elevation of approximately 9000 feet. This timely intervention underscores the IAF's commitment to supporting other

security forces and highlights its operational readiness in remote and difficult terrains, reinforcing India's robust emergency response capabilities in the region. Such efforts not only demonstrate the efficiency of India's defense forces but also enhance inter-agency cooperation in safeguarding personnel and maintaining security along the border.

#### **Terrorism and Counterterrorism**

#### Joint Operation Nets Suspected Tehreeke-Mujahideen Militant in WB SHARE

22-Dec-24

A suspected member of the militant group Tehreek-e-Mujahideen, Javed Munshi, was arrested by a joint operation of Jammu and Kashmir Police and West Bengal Police in South 24 Parganas, West Bengal. Munshi, a Pakistan-trained militant with expertise in IEDs, had reportedly traveled to the area with intentions to cross into Bangladesh under instructions from Lashkar-e-Taiba operatives. He is wanted for his involvement in terror-related activities and has previously served jail terms. His arrest, along with recent apprehensions of members of Ansar-al-Islam Bangladesh, highlights West Bengal's efforts to enhance border security and combat terrorism, reinforcing the commitment of Indian law enforcement to address cross-border threats and maintain national security amidst complex geopolitical challenges.

### Seven Indians injured in deadly German Christmas market attack S SHARE

22-Dec-24

Seven Indian nationals were injured in a deadly carramming attack at a Christmas market in Magdeburg, Germany, where а 50-year-old Saudi national intentionally drove his SUV into a crowd, resulting in at least five deaths and nearly 200 injuries. The Indian Embassy in Berlin is closely monitoring the situation and has confirmed that three of the injured have already been discharged from the hospital. The Ministry of External Affairs (MEA) condemned the attack as "horrific and senseless," expressing solidarity with the victims and their families. This tragic incident has sparked renewed discussions on public safety and security measures at holiday events in Germany, with some cities opting to enhance security in the wake of the attack. The Indian government's prompt action showcases its commitment to protecting its citizens abroad and responding swiftly in times of crisis.

### Terrorist Associate Arrested with Weapons in Bandipora, Kashmir S SHARE

22-Dec-24

Authorities in North Kashmir's Bandipora arrested Shoaib Waseem Ahmad Malik, a local resident, who was found with a pistol and ammunition, underscoring the ongoing commitment of law enforcement to counter-terrorism efforts in the region. This incident reflects the heightened vigilance of security agencies against militant activities, crucial for maintaining peace and stability in Jammu and Kashmir. The Indian defense forces continue to showcase their dedication to safeguarding national security by tackling terrorism effectively, which is essential for the welfare of the local population and the integrity of the region. Such proactive measures are vital in dismantling terrorist networks and fostering a safer environment for citizens.

#### **Cybersecurity and Information Warfare**

### India Boosts Border Security with GPS Jamming Against Drones S SHARE

22-Dec-24

India is enhancing its border security by deploying GPS jamming technology along the Punjab border to counter drone incursions from Pakistan, primarily aimed at disrupting smuggling operations involving narcotics and arms. This initiative has led to a reported decline in successful drone missions, with the Border Security Force intercepting many drones. While the jamming technology poses some risk to civilian GPS use, authorities are likely implementing targeted measures to minimize impact. Overall, this strategic move underscores India's commitment to bolstering its defense capabilities against potential threats, reflecting a proactive approach to national security and border management.

#### Mil Personnel & Veterans

### Indian Army Honors Tashi Namgyal for His Kargil War Heroism Share

22-Dec-24

The Indian Army paid tribute to Tashi Namgyal, a Ladakhi shepherd whose vigilance was pivotal during the 1999 Kargil War, alerting troops to Pakistani infiltrations. Namgyal passed away recently, and the

Fire and Fury Corps expressed deep gratitude for his contributions, emphasizing that his selfless sacrifice will be forever honored. The Kargil War, which lasted over 60 days, culminated in India reclaiming crucial high outposts occupied by Pakistani forces. This acknowledgment not only highlights the valor of individuals who contribute to national security but also showcases the Indian Army's commitment to honoring both its soldiers and local heroes who play vital roles in safeguarding the nation.

#### Miscellaneous

### PM Modi's Historic Visit to Kuwait Strengthens Bilateral Ties Share

22-Dec-24

Prime Minister Narendra Modi's two-day visit to Kuwait marks the first by an Indian Prime Minister in 43 years, focusing on enhancing bilateral relations in trade, investment, and defense. Modi engaged with key Kuwaiti leaders, including Emir Sheikh Meshal Al-Ahmad Al-Jaber Al-Sabah, to discuss a potential defense cooperation agreement and the welfare of the Indian diaspora, which constitutes the largest expatriate group in Kuwait. Highlights of the visit include the 'Hala Modi' cultural event, a visit to an Indian labor camp, and Modi's attendance at the Gulf Cup opening ceremony. This diplomatic engagement underscores India's commitment to fostering a robust partnership with Kuwait, emphasizing shared interests in peace, security, and economic stability in the region while acknowledging India's historical recognition of Kuwait post-independence.

#### Indian Army Vice Chief Honors Ho Chi Minh, Strengthens Ties in

Vietnam 🕓 share

22-Dec-24

Indian Army Vice Chief Lieutenant General NS Raja Subramani paid tribute to former President Ho Chi Minh at his mausoleum in Hanoi during a three-day official visit aimed at strengthening defense ties between India and Vietnam. His visit coincided with the celebrations marking the 80th anniversary of the Vietnam People's Army, underscoring the importance of Ho Chi Minh in Vietnam's military history. The Vice Chief also attended the Vietnam International Defence Expo, showcasing India's contributions to defense technology, and engaged in discussions with India's Ambassador to Vietnam, Sandeep Arya, on mutual interests. This visit highlights the enduring partnership between India and

Vietnam, rooted in shared values and a commitment to regional peace and stability, reinforcing India's strategic role in Southeast Asia.

### INS Ranvijay Celebrates 37 Years of Maritime Excellence and Strength Share

22-Dec-24

INS Ranvijay, a Kashin class guided missile destroyer commissioned in 1987, marks 37 years of service in the Indian Navy, symbolizing maritime strength and readiness. Weighing 5,000 tonnes, it boasts exceptional firepower with advanced surface-to-surface and surface-to-air missile systems, enhancing India's naval dominance. The ship has undergone significant upgrades to improve its operational efficiency and crew comfort, maintaining its vital role in safeguarding national interests. With its motto "Sangrame Vaibhavasva" (Glorious in War), INS Ranvijay exemplifies India's commitment to maritime security and its capacity to address evolving threats, ensuring peace and stability in the region.

#### PM Modi Calls on Kuwait's Indian Diaspora for Engagement at Pravasi Bharatiya Divas S SHARE

22-Dec-24

PM Modi addressed the Indian diaspora in Kuwait during the Pravasi Bharatiya Divas, highlighting their significant contributions to various sectors and the strengthening of India-Kuwait relations. He expressed gratitude to the Kuwaiti leadership for their support of Indian community and reiterated India's commitment to the welfare of its workers abroad through initiatives like the E-Migrate portal. The upcoming 2024 event will focus on the theme "Diaspora: Reliable Partners for India's Progress in Amrit Kaal," aimed at enhancing global Indian engagement. Modi also invited participation in the significant cultural event, Maha Kumbh, encouraging diaspora involvement in India's cultural heritage and international relations.

### PM Modi: India Poised to Be the World's Growth Engine S SHARE

22-Dec-24

Prime Minister Modi, while addressing the Indian diaspora in Kuwait, emphasized India's potential as a global growth engine, citing its position as the fifth-largest economy and a leader in fintech and mobile manufacturing. He outlined opportunities for collaboration in sectors like healthcare and green technology, underscoring India's advanced technology

and infrastructure achievements. Modi recognized the crucial role of the Indian community in strengthening bilateral relations and invited them to participate in future events, such as the Pravasi Bharatiya Divas in January 2025. His remarks reflect India's ambition to become a hub for global development and the importance of fostering international partnerships.

#### **ISRO Launches First Biological** Experiments in Space with POEM Share



22-Dec-24

India's space agency ISRO is set to launch its first set of biological experiments into space using the Polar Satellite Launch Vehicle (PSLV), specifically the POEM platform. This initiative involves sending living biological materials, including spinach, cowpea, and gut bacteria, into microgravity to study their behavior and life processes. The POEM-4 mission aims to enhance understanding of long-duration space missions and potential human habitation beyond Earth. This innovative approach not only minimizes space debris but also fosters collaboration among start-ups and academic institutions, positioning India as a key player in global space research and exploration. The success of these experiments could significantly advance India's capabilities in this domain.

#### ISRO's SpaDeX mission to boost India's space docking capabilities Share

22-Dec-24

The Indian Space Research Organisation (ISRO) is set to launch the SpaDeX mission aboard the PSLV-C60 on December 30, marking a significant step toward achieving in-space docking capabilities. This mission will deploy two small spacecraft, SDX01 (Chaser) and SDX02 (Target), each weighing about 220 kg, to demonstrate docking technology essential for future lunar missions and the proposed Indian space station. By joining the elite group of nations with space docking technology, India is enhancing its capabilities in autonomous operations, including power transfer and inter-satellite communication, crucial for complex space missions. This initiative underscores India's growing prowess in space exploration and technology development.

#### 2024: Celebrating the Vital Role of Naval Civilians 🕟 share

22-Dec-24

The Indian Navy has declared 2024 as the 'Year of Naval Civilians' to honor their critical contributions to operational preparedness and enhance administrative efficiency. A grand commemoration ceremony is set for December 30, 2024, with the Hon'ble Raksha Mantri as the chief guest. Throughout the year, initiatives will focus on improving Civilian HR management, digital transformation, training, welfare, and safety. Key achievements include revised HR policies, insurance for personnel at sea, and the introduction of training programs on the iGOT platform. This effort underscores the Navy's commitment to recognizing the essential role of civilian personnel in national maritime security, thus fostering a more inclusive defense environment.

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## **Defence Sector Stocks**

|            |         |         | _        |          | •        |        |       |          |          |
|------------|---------|---------|----------|----------|----------|--------|-------|----------|----------|
| Stock      | Open    | High    | Low      | Close    | Volume   | Change | RSI14 | SMA20    | SMA200   |
| MTARTECH   | 1670.05 | 1777.0  | 1653.05  | 1722.2   | 1697001  | 5.83   | 53.89 | 1723.51  | 1795.86  |
| DATAPATTNS | 2487.0  | 2592.8  | 2471.0   | 2567.75  | 473554   | 3.22   | 54.2  | 2545.79  | 2726.75  |
| ZENTEC     | 2448.0  | 2590.0  | 2323.25  | 2493.05  | 1593381  | 2.85   | 82.89 | 2057.26  | 1439.59  |
| DCXINDIA   | 327.45  | 344.0   | 324.9    | 329.8    | 1003595  | 0.72   | 51.54 | 328.79   | 333.32   |
| BDL        | 1229.9  | 1276.0  | 1168.9   | 1239.25  | 1614304  | 0.6    | 61.0  | 1192.78  | 1202.74  |
| ROSSELLIND | 77.0    | 80.0    | 75.0     | 76.99    | 44725    | 0.47   | 30.59 | 83.25    | 370.42   |
| LMW        | 17540.0 | 17742.0 | 17301.45 | 17524.85 | 12127    | -0.56  | 65.36 | 16785.09 | 16101.33 |
| HIGHENE    | 651.0   | 667.95  | 644.05   | 644.1    | 3739     | -1.35  | 48.51 | 645.71   | 715.43   |
| SIKA       | 2535.6  | 2680.0  | 2535.6   | 2557.05  | 1747     | -1.35  | 45.28 | 2617.31  | 2482.26  |
| BHARATFORG | 1297.8  | 1315.7  | 1274.35  | 1278.9   | 1495889  | -1.46  | 32.8  | 1341.36  | 1449.28  |
| CFF        | 696.0   | 701.0   | 680.0    | 680.0    | 10600    | -2.13  | 49.73 | 696.11   | 615.14   |
| LT         | 3716.35 | 3725.0  | 3607.1   | 3629.85  | 2796593  | -2.33  | 40.52 | 3792.39  | 3617.4   |
| KRISHNADEF | 760.0   | 770.0   | 736.1    | 747.45   | 21000    | -2.41  | 59.13 | 692.81   | 640.37   |
| BEL        | 298.0   | 302.1   | 289.35   | 290.85   | 14964677 | -2.56  | 38.01 | 308.18   | 277.06   |
| APOLLO     | 96.69   | 98.0    | 93.56    | 94.15    | 1147541  | -2.68  | 39.16 | 98.07    | 105.41   |
| TANEJAERO  | 452.5   | 452.5   | 432.0    | 432.0    | 13466    | -2.83  | 42.46 | 454.55   | 491.64   |
| IDEAFORGE  | 601.05  | 608.0   | 585.8    | 587.25   | 123215   | -2.88  | 41.06 | 605.84   | 695.23   |
| AVANTEL    | 164.89  | 166.5   | 159.45   | 160.24   | 571627   | -2.9   | 45.25 | 163.51   | _        |
| ADANIENT   | 2429.0  | 2453.85 | 2333.0   | 2344.95  | 1337016  | -3.08  | 34.71 | 2443.73  | 3011.9   |
| PARAS      | 1041.0  | 1043.45 | 990.0    | 1005.4   | 164352   | -3.13  | 38.62 | 1084.07  | 1027.48  |
| COCHINSHIP | 1561.0  | 1570.0  | 1476.75  | 1493.55  | 305700   | -3.49  | 41.37 | 1595.4   | 1699.7   |
| HBLPOWER   | 676.9   | 682.9   | 648.0    | 652.65   | 2102883  | -3.53  | 53.92 | 650.74   | 559.98   |
| MIDHANI    | 358.1   | 360.0   | 343.0    | 345.0    | 304102   | -3.56  | 41.55 | 363.1    | 410.2    |
| LOKESHMACH | 350.45  | 352.0   | 332.95   | 337.0    | 45301    | -3.59  | 39.87 | 357.86   | 390.1    |
| NIBE       | 1772.0  | 1824.0  | 1690.8   | 1707.95  | 23207    | -3.61  | 42.57 | 1775.56  | 1738.04  |
| MARINE     | 314.0   | 319.9   | 295.1    | 297.95   | 1073430  | -3.67  | 60.01 | 282.05   | 189.88   |
| AZAD       | 1748.95 | 1748.95 | 1650.0   | 1659.1   | 101696   | -4.33  | 45.05 | 1747.36  | 1536.17  |
| PTC        | 154.51  | 154.7   | 143.32   | 147.44   | 3230521  | -4.36  | 23.41 | 169.56   | 201.73   |
| SOLARINDS  | 10275.0 | 10320.0 | 9731.0   | 9787.6   | 63347    | -4.37  | 35.95 | 10525.5  | 10025.79 |
| HAL        | 4385.0  | 4420.0  | 4175.0   | 4190.2   | 1598164  | -4.44  | 33.71 | 4516.5   | 4418.78  |
| TEMBO      | 798.0   | 847.0   | 777.55   | 781.55   | 54937    | -4.51  | 60.89 | 749.16   | 370.81   |
| BEML       | 4285.75 | 4309.5  | 4051.0   | 4073.8   | 203036   | -4.86  | 42.1  | 4288.92  | 3938.81  |
| GRSE       | 1661.75 | 1667.5  | 1560.2   | 1572.2   | 442865   | -4.99  | 41.49 | 1694.41  | 1564.07  |
| ASTRAMICRO | 844.85  | 845.05  | 790.15   | 797.3    | 275772   | -5.41  | 47.83 | 804.73   | 798.39   |
| MAZDOCK    | 5090.0  | 5143.95 | 4701.0   | 4724.1   | 2673135  | -6.25  | 50.98 | 4778.12  | 3787.52  |
| PREMEXPLN  | 577.4   | 581.9   | 530.8    | 536.25   | 467877   | -7.12  | 58.33 | 489.99   | 518.78   |