



# Defence Pro News & Analysis

October 20,2024 | Day 294

## Top Gainers

Stock	Close	Prev	Change
MAZDOCK	4526.35	4237.8	+6.81%
BEML	4039.05	3909.4	+3.32%
SOLARINDS	11421.8	11173.95	+2.22%
AZAD	1581.1	1549.95	+2.01%
GRSE	1764.65	1744.7	+1.14%

## Top Losers

Stock	Close	Prev	Change
MTARTECH	1681.4	1730.8	-2.85%
BDL	1129.85	1152.4	-1.96%
ASTRAMICRO	802.8	818.25	-1.89%
IDEAFORGE	649.35	661.3	-1.81%
PTC	184.7	187.52	-1.5%

## Defense Business and Industry

### Can the Rebranded F-21 Compete for India's Fighter Jet Bid?



20-Oct-24

The Indian Air Force seeks to procure 114 multi-role fighter jets, with the U.S. pushing its rebranded F-21, an upgraded F-16, as a cost-effective solution. While it boasts enhanced capabilities like increased weapon capacity and advanced avionics, concerns remain regarding its competitiveness against modern aircraft like the Rafale, F/A-18, and Eurofighter Typhoon. Analysts question whether the F-21 can meet India's advanced defense needs, especially considering the experience with the Rafale and the push for indigenous platforms like Tejas Mk-1A and AMCA. Ultimately, the decision will hinge on balancing cost, technological superiority, and India's strategic defense goals.

### China Launches Advanced Type-093B Nuclear Submarine



20-Oct-24

China has unveiled the Type-093B nuclear-powered guided missile submarine, marking a significant enhancement of its naval capabilities, as confirmed by the Pentagon in October 2023. This submarine boasts advanced specifications, including a displacement of over 6,000 tons, a speed of up to 30 knots, and is designed for long-range precision strikes against various targets. While this development raises concerns regarding regional security dynamics, India can strategically leverage its own naval advancements and strengthen partnerships with allies to maintain a balance of power in the Indo-Pacific. Focusing on indigenous submarine development and enhancing naval capabilities will be crucial for India to counter such advancements effectively.

### Indian Army Tests 50+ New Technologies in Future Warfare Drill



20-Oct-24

The Indian Army's "Swavlamban Shakti" exercise, currently underway near Jhansi, tests over 50 new technologies to enhance combat readiness for future warfare, involving around 1,800 personnel and numerous vehicles. Led by Lieutenant General Prit Pal Singh, this initiative showcases collaboration with over 40 Indian industry partners, aligning with the "Aatmanirbhar Bharat" vision to promote self-reliance in defense. Key technologies being evaluated include drones, robotic systems, and directed energy weapons, which aim to drive innovation and bolster indigenous manufacturing capabilities. The exercise culminates in a drone festival on October 22, providing a platform for MSMEs to demonstrate their advancements in the defense sector.

### Indian Army Pursues MILGRAD Compliant 5G Mobile Handsets



20-Oct-24

The Indian Army is seeking MILGRAD/JSS-55555 compliant 5G mobile handsets to enhance military communication capabilities, addressing the limitations of current commercial devices. The new handsets should feature a detachable S-band satellite sleeve, dual-band support, high power output, and improved antenna design, among other specifications, to optimize operational efficiency and security in the Tactical Battle Area. This initiative reflects a strategic move towards modernizing the army's communication infrastructure and reducing reliance on multiple base stations, ultimately enhancing operational effectiveness and security. By prioritizing military-grade standards, the Indian Army is reinforcing its commitment to adopting advanced technologies for improved battlefield performance.

## IAF Pursues Indigenous Bird Detection Radar for Safety Enhancement

🔒 SHARE

20-Oct-24

The Indian Air Force (IAF) is seeking a Bird Detection and Monitoring Radar (BDMR) system to mitigate the risks associated with bird strikes, which have previously curtailed operations and resulted in accidents. The BDMR technology aims to provide early warnings of bird flocks, enhancing safety and operational efficiency. The IAF emphasizes the importance of domestic participation, requiring a minimum of 50% Indian content from procurement vendors, with field evaluations planned at select stations. This initiative not only underscores the IAF's commitment to safeguarding personnel and aircraft but also reflects its broader strategy of enhancing indigenous defense capabilities.

## France and India Collaborate on Advanced Long-Endurance UUV

🔒 SHARE

20-Oct-24

France has proposed a collaboration with India for the joint development of a very-long-endurance Uncrewed Underwater Vehicle (UUV) capable of performing multiple missions including ISR and mine-hunting. This advanced UUV, sized like a small fighter jet, would leverage cutting-edge propulsion and AI capabilities, enabling it to operate autonomously for extended periods, potentially tracking rival naval assets. While India is pursuing its own UUV development initiatives through private sector engagement, partnering with France could significantly enhance India's technological capabilities and expedite the development timeline in this strategic domain. Such collaborations underscore the strengthening of defense ties between the two nations, enhancing India's maritime security framework.

## Saab to Deliver Made in India Gripen-E Jets in Three Years

🔒 SHARE

20-Oct-24

Saab has committed to establishing full-scale production of its Gripen-E fighter jets in India as part of the Multi-Role Fighter Aircraft (MRFA) deal, aligning with the Indian government's Make in India initiative. The company aims to indigenize not only the airframe but also critical systems and software, promising a rapid delivery within three years post-contract. Saab's focus on integrating Indian-made systems and its advanced technology, alongside cost-effective operations, positions the Gripen as an attractive option for the Indian Air Force. This initiative could enhance India's defense self-reliance while addressing regional security challenges through bolstered air combat capabilities.

## Tejas MkII to Feature India's First GaN Fire Control Radar

🔒 SHARE

20-Oct-24

The Tejas MkII, India's indigenous light combat aircraft, is set to become the first in the nation to feature a Gallium Nitride (GaN)-based fire control radar, the Uttam Aesa, marking a significant advancement in India's defense technology. GaN technology enhances radar performance through improved detection range,

accuracy, and simultaneous target tracking, while also reducing power consumption, thus increasing flight endurance for long-range missions. This development reflects India's commitment to self-reliance and innovation in defense manufacturing, showcasing the capabilities of its aerospace research community and positioning the country competitively in global military technology. Overall, the integration of the Uttam Aesa FCR is a substantial boost for the Tejas MkII's operational effectiveness.

## Defense Policy and Budgeting

### Defence Minister Stresses Need for Tech-Ready Military Forces

🔒 SHARE

20-Oct-24

Defence Minister Rajnath Singh emphasized the need for Indian military officers to adapt to rapidly evolving technologies shaping modern warfare, such as AI, drones, and quantum computing. He urged them to cultivate strategic thinking to anticipate future conflicts and navigate complex global dynamics, highlighting the potential for adversaries to weaponize everyday technologies. Singh advocated for an updated curriculum at the National Defence College to prepare leaders for unconventional warfare, stressing the importance of ethical considerations in AI decision-making. Overall, he underscored the government's commitment to developing a technologically advanced military capable of safeguarding national security amidst emerging threats.

### Delay in LCA-Navy Fighter Acquisition for Indian Navy Confirmed

🔒 SHARE

20-Oct-24

The Indian Navy's acquisition of LCA-Navy carrier-based fighter jets is delayed due to unresolved government procedures, as noted by Jitendra J Jadhav, the Director General of the Aeronautical Development Agency. Despite this setback, there is optimism that the issues will be resolved soon, as these fighters are critical for enhancing India's naval capabilities in the Indian Ocean Region. This acquisition aligns with the Atmanirbhar Bharat initiative and aims to modernize the Navy's air fleet, replacing aging MiG-29Ks. The successful induction of these indigenous jets, along with ongoing projects like the TEDBF, underscores India's commitment to self-reliance in defense technology amidst growing regional security challenges.

## Geopolitics and Security Alliances

### Canada's Tensions with India: Consequences Await

🔒 SHARE

20-Oct-24

Leading foreign policy experts highlight the deteriorating India-Canada relations following Canada's allegations of India's involvement in the killing of Khalistani terrorist Hardeep Singh Nijjar, which India has firmly denied. Defense expert Shiwalee Deshpande lauds India's strong diplomatic response,

emphasizing that it sends a clear message about India's assertiveness on the global stage. KP Fabian notes that Canada's actions appear aimed at escalating tensions rather than seeking de-escalation, as proper diplomatic channels were overlooked. Overall, experts assert that India's decisive measures demonstrate its capability to protect national interests and respond firmly to unfounded allegations.

## India Proposes Co-Development of Advanced Weapons with Philippines

SHARE

20-Oct-24

India has proposed co-developing advanced weapon systems with the Philippines to strengthen their defense cooperation amid rising tensions in the South China Sea. This collaboration focuses on modernizing the Philippines' military capabilities and includes systems like the BrahMos missile, Akash surface-to-air missile, and Light Combat Aircraft Tejas. The initiative not only enhances the Philippines' defense posture but also fosters indigenous production capabilities through technology transfer. This strategic partnership reflects India's commitment to promoting regional stability and countering China's assertiveness, ultimately contributing to a free and open Indo-Pacific.

## India Can Step In with Nuclear Subs as AUKUS Faces Hurdles

SHARE

20-Oct-24

The AUKUS deal, aimed at supplying Australia with nuclear-powered submarines, is encountering significant challenges, prompting discussions about India potentially offering its indigenous submarine capabilities as an alternative. Reports suggest that instead of transferring submarines, the U.S. may retain operational control with submarines stationed in Australia, undermining Australia's strategic autonomy. An India-Australia partnership could enhance Australia's sovereign capabilities, facilitate technology sharing, and contribute to regional security amid rising Chinese assertiveness. However, Australia would need to address its lack of infrastructure and expertise in nuclear operations, and a shift towards India could complicate its existing relationships with the U.S. and the U.K.

## Army Chief Gen Dwivedi Visits Japan's Fuji School for Defense Talks

SHARE

20-Oct-24

Army Chief General Upendra Dwivedi visited Japan's Fuji School, engaging with Lieutenant General Yasuyuki Kodama and reviewing the institution's military training programs. His trip included paying tribute at the Ichigaya Memorial and discussions with senior Japanese military leaders to bolster bilateral defense cooperation. Both nations emphasized their commitment to enhancing military ties and ensuring regional peace, particularly in the Indo-Pacific context, where they collaborate under the QUAD alliance alongside the US and Australia. This visit reflects India's strategic focus on deepening defense partnerships and enhancing maritime security capabilities within the region.

## Katz Blames Iran for Netanyahu Assassination Attempt

SHARE

20-Oct-24

Israeli Foreign Minister Katz has accused Iran of orchestrating an assassination attempt on Prime Minister Netanyahu, dismissing Iran's claim that Hezbollah acted independently. Netanyahu condemned Hezbollah's actions as a "grave mistake" and reaffirmed Israel's commitment to retaliate against threats, ensuring the safety of its citizens and the return of hostages from Gaza. He emphasized that Israel will not be deterred from its objectives and aims to reshape regional security for generations. This situation underscores the ongoing complexities in Middle Eastern geopolitics and Iran's influence through proxy militias, highlighting the importance of vigilance and strategic readiness in response to such provocations.

## INS Suvarna Arrives in Tanzania to Boost Defense Cooperation

SHARE

20-Oct-24

The Indian Navy's warship INS Suvarna has arrived in Dar Es Salaam to strengthen defense ties with Tanzania, marking the second visit by an Indian naval vessel this year. The ship will engage in joint exercises with the Tanzanian Navy, including a volleyball match and a joint Exclusive Economic Zone surveillance exercise. Additionally, INS Suvarna will provide an Integrated Weapon Training Simulator to enhance the training capabilities of the Tanzania Peoples Defence Force. This visit reinforces the longstanding bilateral relationship, particularly following the recent state visit of Tanzanian President Samia Suluhu Hassan to India, highlighting India's commitment to fostering regional maritime security and cooperation.

## Ukraine Strikes Moscow with Drones Amid Rising Tensions

SHARE

20-Oct-24

Ukraine has launched drone attacks against Moscow and Western Russia, reportedly without causing injuries or significant damage. Russian air-defense units intercepted several drones, with minor fires attributed to debris in the Lipetsk region. This escalation is part of Ukraine's strategy to retaliate against ongoing Russian attacks on its territory. The situation underscores the heightened tensions in the region and reflects the ongoing conflict dynamics, where both sides continue to leverage drone technology as a means of warfare, emphasizing the importance of robust air-defense systems, a lesson relevant to nations like India in strengthening their own defense capabilities.

## US Intel Leak Reveals Israel's Plans for Possible Iran Strike

SHARE

20-Oct-24

Classified US intelligence has revealed that Israel is preparing for a potential strike on Iran, highlighting military exercises and strategic movements aimed at anticipating Iranian retaliatory actions. The leaked documents, now circulating on the Telegram app, have raised concerns among US officials regarding the breach of sensitive information. This situation underscores the

escalating tensions in the Middle East and the importance of monitoring Israel's prepared strategies, which could impact regional stability. For India, a close ally of both the US and Israel, this development may necessitate heightened vigilance to assess the broader implications for national security and the geopolitical landscape in South Asia.

## Quad Nations Wrap Up Malabar 2024, Boosting Indo-Pacific Security SHARE

20-Oct-24

The Malabar 2024 naval exercise, hosted by India, concluded on October 18th, enhancing maritime cooperation among the Quad nations—India, the US, Japan, and Australia—amid rising geopolitical tensions in the Indo-Pacific. The exercise demonstrated advanced operational capabilities and interoperability through various drills, emphasizing the Quad's commitment to freedom of navigation and addressing challenges posed by China's assertive actions. India, under its SAGAR initiative, showcased its leadership in fostering a secure Indo-Pacific, while the exercises reinforced the collective commitment to maritime security and a rules-based order. Malabar 2024 serves as a blueprint for future engagements, underlining India's pivotal role in shaping regional security dynamics.

## Indian Navy and Royal Navy of Oman Strengthen Ties in Naseem Al Bahr Exercise SHARE

20-Oct-24

The Indian Navy's INS Trikanth and Dornier Maritime Patrol Aircraft participated in the bilateral naval exercise Naseem-Al-Bahr with the Royal Navy of Oman off Goa from October 13 to 18, 2024. The exercise included a harbour phase with professional exchanges and a sea phase featuring gun firings, anti-aircraft drills, and replenishment operations. This collaboration significantly enhanced interoperability and mutual understanding between the two navies, demonstrating India's commitment to constructive partnerships in the Indian Ocean Region. Such exercises bolster regional security and foster cooperation among like-minded nations, reinforcing India's proactive role in maritime stability and defense diplomacy.

## Israeli Air Strikes Hit Beirut Amid Rising Tensions with Hezbollah SHARE

20-Oct-24

Israeli air strikes targeted south Beirut following evacuation warnings for civilians amid escalating tensions with Hezbollah. This retaliation comes after Israeli Prime Minister Netanyahu accused Hezbollah of attempting to assassinate him via a drone attack on his residence, which he links to Iran's support for the group. The situation highlights the ongoing volatility in the region, particularly with Iran's influence and the potential for further conflict. India, while focusing on its own defense strategies, must remain vigilant and prepared, considering the implications of such conflicts on regional stability and security, especially given its interests in maintaining peace in the Indo-Pacific and countering terrorism.

## US and Iran vie for influence in Lebanon amid Hezbollah crisis SHARE

20-Oct-24

Iran-backed Hezbollah is under increasing pressure following Israeli attacks and the assassination of its leader, which has raised questions about its influence in Lebanon. The US and Iran are engaged in a strategic tug of war over Lebanon's future amidst a backdrop of political deadlock and the urgent need to elect a new president. This scenario highlights the broader regional tensions that are destabilizing Lebanon. From India's perspective, this situation underscores the importance of strengthening its own defense ties and regional partnerships to counterbalance external influences, ensuring stability in South Asia amidst geopolitical shifts.

## Pakistan Raises Concerns Over India's Expanding Private Space Sector SHARE

20-Oct-24

A recent report by Pakistan's National Defence University expresses concerns over India's burgeoning private space sector, suggesting it could enhance India's ballistic missile production capabilities. The report highlights that the dual-use nature of space technology may allow India to leverage expertise from private companies to boost its military capabilities, potentially altering the regional strategic balance. However, India's government maintains that its space program focuses on peaceful applications, emphasizing socio-economic benefits rather than military enhancements. The growing involvement of private players in India's space initiatives is intended to foster innovation and commercial ventures, showcasing India's commitment to advancing its space ambitions while addressing global challenges.

## North Korean Troops in Russia: A Threat to Ukraine and Beyond? SHARE

20-Oct-24

Recent reports indicate that North Korea has deployed around 1,500 troops to Russia for military training, with intentions to send up to 12,000 additional soldiers to support Moscow in the Ukraine conflict. This development underscores the growing military collaboration between North Korea and Russia, raising alarms about potential escalations in the ongoing war. The implications of such a partnership could destabilize regional security and challenge the strategic interests of nations like India, which advocate for a stable geopolitical landscape. Strengthening India's defense capabilities and alliances may become increasingly essential in countering the ramifications of this evolving military alliance.



## Military Operations

### Security Forces in Manipur Seize Weapons and Explosives in Thoubal



20-Oct-24

In Thoubal district, Manipur, security forces seized a 9mm pistol, four hand grenades, a detonator, and various cartridges during a search operation, highlighting ongoing security challenges in the region. The ethnic violence between the Imphal Valley-based Meiteis and the hills-based Kukis has resulted in over 200 fatalities and significant displacement since May last year, underscoring the need for robust security measures. This operation demonstrates the proactive stance of Indian security forces in addressing the threat posed by armed groups, emphasizing their commitment to restoring peace and stability in the region. Continued vigilance and enforcement of law and order are vital for ensuring the safety of affected communities.

### Indian Army Thwarts Major Infiltration in Baramulla Encounter



20-Oct-24

The Indian Army is currently engaged in an encounter with terrorists along the Line of Control in Baramulla, following an intelligence-based anti-infiltration operation. The operation was prompted by suspicious activities detected by alert troops, leading to a firefight with the infiltrators. Concurrently, Jammu and Kashmir Police arrested two terrorists linked to multiple grenade attacks, aiming to disrupt communal harmony in the region. These actions underscore the proactive measures of Indian security forces in countering terrorism and maintaining peace, demonstrating their commitment to safeguarding national security amidst persistent threats.

### Xi Jinping Urges PLA Rocket Force to Boost Deterrence and Readiness



20-Oct-24

Chinese President Xi Jinping has directed the People's Liberation Army (PLA) Rocket Force to enhance its deterrence and combat capabilities, emphasizing the need for improved training and the effective use of new weaponry. This directive comes amid escalating military tensions, particularly with Taiwan, which has reported increased Chinese military activities in its vicinity. In response, Taiwan has ramped up its own military readiness, deploying aircraft and missile systems to monitor PLA movements. The situation underscores the importance of vigilance and preparedness in the region, highlighting the necessity for India to bolster its defense strategies and strengthen partnerships to counterbalance growing Chinese assertiveness.

### India Boosts Armed Forces with Major Defense Acquisitions



20-Oct-24

The Indian government has approved defense acquisitions worth approximately 14,500 Crores to modernize its military

capabilities, focusing on potential conflicts with Pakistan and China. Key initiatives include the procurement of 26 Rafale Marine jets, 31 MQ-9B Predator drones, and Future-Ready Combat Vehicles (FRCVs) to enhance mobility and firepower. Additionally, Project 17B stealth frigates for the Navy and a new missile testing range in Andhra Pradesh will bolster maritime and strategic capabilities. These efforts highlight India's commitment to self-reliance in defense technology and integrated military operations, essential for maintaining regional security amid rising tensions in the Indo-Pacific.

### Ukraine Targets Key Russian Explosives Factory in Drone Strikes



20-Oct-24

Ukraine has conducted drone strikes on significant military targets in Russia, including an explosives manufacturing facility and a military airfield, prompting Moscow to claim the interception of 110 drones. The attacks reportedly caused minor injuries to four firefighters, while debris from the strikes was confirmed by Moscow's mayor, with no casualties or extensive damage reported. This escalation highlights Ukraine's intent to target Russian military capabilities directly, potentially altering the dynamics of the ongoing conflict. As India observes these developments, it underscores the importance of robust defense strategies and advanced technology in safeguarding national interests amidst regional tensions.

## Terrorism and Counterterrorism

### Ex-Indian Official Denies US Charges of Khalistani Murder Plot



20-Oct-24

Vikash Yadav, an Indian ex-official charged by the US with orchestrating a murder-for-hire plot against Khalistani terrorist Gurbatwant Singh Pannun, has dismissed the allegations as false. His family expresses disbelief, stating he was not involved with intelligence services and works for the CRPF. The US Department of Justice claims Yadav directed another citizen to execute the plot, but his family cites their modest means, questioning the validity of such claims. This situation underscores the need for the Indian government to clarify its position and support its former officers amid international legal challenges, reinforcing India's commitment to its personnel in the face of external accusations.

### Two ITBP Jawans Killed in Naxal IED Ambush in Chhattisgarh



20-Oct-24

Two personnel of the Indo-Tibetan Border Police (ITBP) were martyred in a Naxalite ambush involving an IED blast in Chhattisgarh's Narayanpur district during an anti-insurgency operation. The incident, which took place as security forces were returning from a joint mission involving the ITBP, BSF, and state police, also resulted in injuries to two policemen. The slain ITBP jawans, Amar Pawar and K Rajesh, were members of the 53rd battalion. This tragic event underscores the ongoing challenges

faced by security forces in combating Naxal insurgency, highlighting the need for continued vigilance and investment in counter-insurgency operations to ensure the safety of personnel engaged in these critical missions.

## Rohini Blast Near CRPF School Likely Caused by Crude Bomb



20-Oct-24

A blast occurred outside the Central Reserve Police Force (CRPF) school in Rohini, Delhi, causing damage to nearby properties but no injuries. Initial investigations suggest it may have been caused by a crude bomb, though a terror angle has been ruled out for now. The Delhi Police and forensic teams are on-site to determine the nature of the blast, with the National Security Guard (NSG) being notified. This incident, while concerning, highlights the effectiveness of the rapid response teams and the ongoing commitment of Indian security forces to ensure public safety and investigate potential threats.

## Canada Should Have Deported Terrorist Nijjar Long Ago: Ex-Minister



20-Oct-24

Canada faces diplomatic tensions with India following allegations from Prime Minister Trudeau about Indian diplomats collecting information on pro-Khalistani entities, linked to the murder of designated terrorist Hardeep Singh Nijjar. India's Ministry of External Affairs has denied these accusations, emphasizing a lack of evidence from Canada, while former Canadian Foreign Minister Bernier criticized the asylum process that allowed Nijjar to remain in Canada despite multiple rejections. He argues that Canada must recognize its missteps in harboring foreign terrorists and work cooperatively with India, a significant global ally, to address these issues rather than escalate tensions over unverified claims. This situation highlights the complexities of international diplomacy and counter-terrorism efforts.

## Migrant Labourer Found Dead in Kashmir: First Attack Under New Govt



20-Oct-24

The bullet-riddled body of Ashok Chauhan, a migrant labourer, was discovered in the Wachi area of Zainapora, south Kashmir, marking the first targeted attack since the new government assumed power. Chauhan, who had been working in the Sangam area of Anantnag, went missing after receiving a phone call during a corn harvesting session with colleagues. His colleagues later found his body after he failed to return and could not be reached by phone. This incident raises concerns over the safety of migrant workers in the region and highlights the continuing challenges faced by security forces in maintaining peace and stability in Kashmir.

## Naxalites Kill Congress Worker Distributing Rice in Chhattisgarh



20-Oct-24

A Congress worker, Tirupati Bhandari, was killed by suspected Naxalites in Usoor village, Chhattisgarh, while distributing rice to villagers. The police are investigating the incident, which

highlights the ongoing violence in the Naxal-affected Bastar division, where there have been multiple attacks on political figures, including nine BJP leaders from January 2023 to April 2024. This situation underscores the persistent threat posed by Naxalite groups to local governance and community safety, necessitating a robust response from Indian law enforcement and military forces to ensure stability in these troubled regions. Strengthening security measures and community engagement is crucial in combating these extremist elements effectively.

## Mil Personnel & Veterans

### 528 Cadets to Sail 1,200 Kms on Ganges for NCC Camp 2025



20-Oct-24

The National Cadet Corps (NCC) is launching its inaugural sailing expedition involving 528 Naval Wing cadets, covering approximately 1,200 kms along the Ganges and Hooghly rivers from Kanpur to Kolkata, themed "Bharatiya Nadiya Sanskritiyon ki Janani." This initiative aims to celebrate India's maritime heritage while fostering adventure and service among youth. Cadets will participate in activities promoting environmental conservation, such as cleaning riverbanks under the 'Swachh Bharat' initiative and performing Nukkad Nataks to highlight cultural traditions. This pioneering event signifies a strategic move to engage the youth in national service, nurturing responsible citizens who appreciate India's rich cultural and environmental legacy.

## Miscellaneous

### Government Considers Tough Action Amid Surge in Hoax Bomb Threats



20-Oct-24

Multiple domestic airlines in India have faced a wave of hoax bomb threats, leading to significant disruptions and security responses, including the interception of a flight by RAF Typhoon jets. The Bureau of Civil Aviation Security (BCAS) assured that Indian skies remain safe, emphasizing ongoing coordination with airlines to address these threats. The Ministry of Civil Aviation plans to amend regulations to impose stricter penalties, including potential imprisonment and no-fly lists for offenders. This proactive approach underscores India's commitment to aviation security, ensuring passenger safety while maintaining operational stability during peak travel periods.

### Bangladeshi Man Posing as Monk Arrested at Gaya Airport After 8 Years



20-Oct-24

A Bangladeshi national, Babu Joe Barua, was arrested at Gaya Airport while attempting to flee to Thailand, after living illegally in India for eight years under the guise of a Buddhist monk. Barua was found with multiple fake passports and identification documents, including an Aadhaar card and a PAN card, raising concerns about illegal immigration and identity fraud. His

capture underscores ongoing challenges India faces with regard to border security and illegal immigration, necessitating robust measures to prevent such incidents. The case highlights the effectiveness of airport security protocols in identifying suspicious activities and enforcing immigration laws to maintain national security.

## PM-STIAC Meeting Boosts Industry-Academia Collaboration for R&D SHARE

20-Oct-24

The 26th PM-STIAC meeting focused on enhancing industry-academia partnerships for research and innovation in India. Key leaders from government, academia, and industry discussed the importance of collaboration to boost India's R&D capabilities, with an emphasis on prioritizing design and indigenous technologies. Prof. Sood highlighted the need for aligning incentives among stakeholders, while Dr. Saraswat called for identifying priority areas for collaboration to foster a product-driven economy. Overall, the meeting underscored the critical need to strengthen the R&D ecosystem, ensuring that it effectively addresses national requirements and advances India's position in global scientific research.

## BSF Foils Infiltration Attempt, Arrests 3 Bangladeshis in Tripura SHARE

20-Oct-24

The Border Security Force (BSF) apprehended three Bangladeshi nationals attempting to illegally enter Indian territory in Tripura, with authorities also arresting a local tout linked to the infiltration. The arrests took place near the Rahimpur and Mohanpur border outposts, following a coordinated operation with police based on information from the detained individuals. The BSF has intensified border vigilance in Tripura and is actively targeting touts facilitating such illegal crossings. This proactive approach highlights India's commitment to securing its borders and combating cross-border crime, reinforcing national security and regional stability in the face of potential infiltration threats.

## INS Kalpeni Docks in Colombo, Strengthening Indo-Sri Lanka Ties SHARE

20-Oct-24

INS Kalpeni, a Car Nicobar class Fast Attack Craft of the Indian Navy, arrived in Colombo on October 19, 2024, for a formal visit, where it was warmly received by the Sri Lanka Navy in accordance with naval traditions. Manned by a crew of 70 and commanded by Lieutenant Commander Jonathan Sunil S Kothari, the vessel will be in Sri Lanka until October 28, allowing the crew to explore local attractions. This visit underscores the strengthening ties between India and Sri Lanka, highlighting India's commitment to regional security and cooperation in maritime affairs, reflecting a positive diplomatic engagement in the Indian Ocean region.

## AGNIT Semiconductors Secures \$3.5M Seed Funding for GaN Tech SHARE

20-Oct-24

AGNIT Semiconductors has successfully raised \$3.5 million in seed funding, led by 3one4 Capital and Zephyr Peacock, marking their entry into India's semiconductor sector. Supported by notable figures like Lakshmi Narayanan and the Indian government, AGNIT is a pioneering startup in Gallium Nitride (GaN) technology, which offers superior performance over traditional silicon semiconductors. The funding will enhance AGNIT's research, manufacturing capabilities, and market presence, as they aim to develop GaN-based devices for applications in power electronics and wireless communication. This initiative reflects India's commitment to advancing its semiconductor industry, crucial for national security and technological self-reliance.

## From Concept to Carrier: A New Book on India's LCA Navy SHARE

20-Oct-24

A new book titled "Paper to Flight," authored by Cmde C D Balaji (Retd), was launched in Panaji, detailing the development of India's LCA Navy, a carrier-borne fighter aircraft. The book chronicles the collaborative efforts of the ADA, HAL, and the Indian Navy, showcasing significant technological advancements and the challenges faced in adapting the IAF's LCA for naval operations. Key figures, including former DRDO chief Dr V K Aatre, praised the program's importance and emphasized the book's value for future generations. Priced at Rs 995, "Paper to Flight" aims to inspire interest in India's indigenous aerospace capabilities among enthusiasts and researchers alike.

## U.S. Intelligence Planned Arrest of Former R&AW Official SHARE

20-Oct-24

A recent report suggests that U.S. intelligence agencies had plans to arrest a former R&AW official, potentially Samant Goel, linked to a plot against Khalistani separatist Gurbatwant Singh Pannun. This operation was aborted after Indian intelligence tipped off the officials, reflecting ongoing tensions between the U.S. and India over Khalistani issues. The situation recalls the diplomatic crisis stemming from the arrest of Indian diplomat Devyani Khobragade in 2013, which strained bilateral relations. This incident underscores India's concerns about U.S. cooperation in combating separatist movements and highlights the complexities in international diplomacy surrounding terrorism and sovereignty.

## Indian Researchers Unveil D12: A Game-Changer for Regional Air Travel SHARE

20-Oct-24

Indian researchers from IISER Mohali and IIT Kanpur have proposed the D12, a versatile 20-seater regional aircraft designed for the UDAN scheme, which can be modified to seat up to 40 passengers without additional certification. Powered by Pratt & Whitney PT6A-42a engines, the D12 promises efficient performance and improved regional connectivity, enabling

affordable air travel to remote areas. Its specifications highlight a well-thought-out design, including a substantial payload capacity and a range of 2,100 kilometers. This innovative aircraft could significantly bolster India's aviation sector, enhancing both economic growth and accessibility in the country's hinterlands.

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# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
MAZDOCK	4306.0	4655.0	4285.0	4526.35	8493150	6.81	57.78	4242.45	3313.96
BEML	3910.0	4140.0	3830.1	4039.05	1623662	3.32	62.94	3738.04	3743.93
SOLARINDS	11175.0	11455.1	10862.25	11421.8	44420	2.22	55.05	11337.83	9251.08
AZAD	1546.95	1590.0	1487.05	1581.1	153451	2.01	61.37	1481.42	1373.69
GRSE	1744.7	1829.0	1684.4	1764.65	3006209	1.14	51.4	1718.65	1404.61
PREMEXPLN	508.3	520.0	490.2	509.7	57884	1.13	41.0	522.31	482.04
BEL	282.9	287.8	277.8	287.15	10095514	0.91	50.87	284.45	254.08
NIBE	1699.75	1739.75	1675.0	1738.95	15863	0.76	39.34	1857.19	1578.64
ZENTEC	1887.0	1930.0	1809.1	1910.45	302509	0.67	63.29	1772.13	1198.11
MARINE	227.05	238.0	220.5	233.09	232936	0.59	48.53	229.81	158.9
CFE	575.2	592.0	572.35	592.0	15600	0.52	33.94	625.31	580.04
COCHINSHIP	1549.95	1583.05	1526.0	1564.05	1065843	0.26	35.42	1679.66	1554.22
BHARATFORG	1471.95	1485.0	1454.8	1474.75	888822	0.25	39.08	1508.85	1415.55
SIKA	2600.0	2620.0	2550.05	2615.0	1438	0.23	48.57	2634.92	2269.25
LT	3569.95	3592.45	3540.25	3577.8	2102609	0.21	48.67	3608.69	3577.3
HAL	4493.6	4559.0	4423.25	4524.7	1369365	0.13	51.55	4420.45	4121.09
DATAPATTNS	2448.0	2481.0	2372.0	2450.75	136538	0.12	45.17	2425.73	2637.17
APOLLO	98.75	99.65	96.81	98.88	644833	-0.18	39.65	102.31	111.21
KRISHNADEF	685.0	701.0	683.0	687.9	25500	-0.31	43.88	707.35	573.37
ADANIENT	2990.0	3031.7	2968.1	3002.0	796339	-0.39	41.54	3100.21	3111.75
HIGHENE	655.0	662.8	650.05	660.85	3079	-0.43	42.06	677.25	706.95
HBLPOWER	598.0	603.7	585.2	594.8	792143	-0.55	43.23	608.42	538.93
PARAS	1056.95	1061.95	1025.0	1050.05	65533	-0.57	39.58	1083.69	967.23
MIDHANI	370.0	374.7	364.2	369.7	292635	-0.6	37.33	383.86	430.89
AVANTEL	177.0	179.0	173.02	175.59	608766	-0.71	47.0	177.0	-
LOKESHMACH	385.05	389.8	380.1	383.65	48278	-0.89	48.12	383.29	390.66
ROSSELLIND	99.7	99.7	95.6	97.92	29265	-0.94	17.77	119.99	449.02
TANEJAERO	489.45	489.45	465.65	479.5	11520	-1.09	40.1	493.21	485.38
DCXINDIA	310.5	320.0	305.9	308.85	354062	-1.2	36.15	326.16	337.49
PTC	186.2	187.9	182.41	184.7	1853528	-1.5	30.95	200.04	209.33
IDEAFORGE	660.0	661.25	646.5	649.35	152660	-1.81	33.04	686.05	729.61
ASTRAMICRO	796.1	818.1	795.0	802.8	242626	-1.89	37.16	851.89	761.36
BDL	1149.95	1149.95	1114.25	1129.85	646505	-1.96	39.71	1153.85	1150.8
MTARTECH	1720.4	1757.5	1657.1	1681.4	701486	-2.85	39.64	1743.27	1879.48