



# Defence Professionals News & Analysis

November 19, 2024 | Day 324

### Top Gainers

Stock	Close	Prev	Change
LOKESHMACH	371.45	332.15	+11.83%
MTARTECH	1743.3	1614.25	+7.99%
DATAPATTNS	2291.35	2162.65	+5.95%
COCHINSHIP	1360.5	1301.45	+4.54%
MARINE	227.81	218.42	+4.3%

### Top Losers

Stock	Close	Prev	Change
ROSSELLIND	79.08	95.32	-17.04%
TEMBO	687.5	730.7	-5.91%
KRISHNADEF	680.0	704.25	-3.44%
LT	3505.9	3542.15	-1.02%
NIBE	1668.5	1685.1	-0.99%

## Defense Business and Industry

### Ukraine's Long-Range ATACMS: A Potential Trigger for Escalation?

🔗 SHARE

19-Nov-24

The U.S. has authorized Ukraine to use ATACMS missiles for strikes deep within Russian territory, marking a significant shift in military support amidst the ongoing conflict. This decision follows Ukraine's reported successful use of these long-range missiles against a Russian facility on the war's 1,000th day, despite claims from Moscow of intercepting most of the missiles. Indian defense experts express concerns that this escalation could exacerbate global instability, potentially provoke severe Russian retaliation, and complicate peace negotiations. They argue that the reliance on Western support for such operations may inadvertently draw NATO into direct conflict with Russia, raising the stakes for all parties involved and underscoring the precarious balance of power in the region.

### HAL Aims for Annual 30 F-414 Engines Production in India

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19-Nov-24

Hindustan Aeronautics Limited (HAL) is on the verge of finalizing an agreement with GE Aerospace for the local manufacturing of F-414 engines in India, crucial for the Tejas MkII and AMCA MkI aircraft. The initiative aims for an annual production capacity of 30 engines, with around 80% of components to be sourced domestically, aligning with India's Aatmanirbhar Bharat initiative and enhancing self-reliance in defense. The F-414 engine offers a substantial performance upgrade, producing

98kN of thrust compared to the 84kN of the F-404, thereby significantly enhancing the LCA Mk2's combat capabilities. With a timeline to commence initial engine trials by April 2028, HAL's strategy not only supports military preparedness but also drives technology transfer and skill development in the aerospace sector, positioning India to reduce dependency on foreign defense technology effectively.

### L&T Aims to Boost Role in Tejas MkII and AMCA Programs

🔗 SHARE

19-Nov-24

Larsen & Toubro (L&T) aims to enhance its role in India's defense sector by contributing to indigenous programs like the Tejas MkII and Advanced Medium Combat Aircraft (AMCA), building on its partnership with Hindustan Aeronautics Limited (HAL). L&T has played a crucial role in supplying components for the Tejas Light Combat Aircraft, showcasing its manufacturing prowess. The company's ambitions extend beyond defense, as it collaborates with ISRO on space missions, aligning with India's focus on self-reliance through the Aatmanirbhar Bharat initiative. With increased foreign direct investment in defense, L&T is positioned to expand its capabilities and engage in global markets, reflecting the growth potential of India's aerospace and defense industry.

### Bharat Forge Nears Deal with MoD for Advanced Towed Artillery System

🔗 SHARE

19-Nov-24

Bharat Forge Ltd is in the final stages of negotiating a contract with the Indian Ministry of Defence for the Advanced Towed Artillery Gun System (ATAGS), which received an Acceptance of Necessity in March 2023. This indigenously developed 155mm/52cal artillery system, a collaboration between the Defence Research

and Development Organisation (DRDO) and private partners, aims to enhance India's artillery capabilities and boost self-reliance in defense manufacturing. Bharat Forge emerged as the lowest bidder following a thorough evaluation process, and the contract is expected to be finalized before the end of the financial year 2024-25. This development is crucial not only for bolstering the Indian Army's artillery strength but also for solidifying Bharat Forge's position in the domestic defense sector, potentially driving growth in its defense business amidst its overall positive financial outlook.

## BDL Unveils Amogha-III ATGM for Global Export Opportunities



19-Nov-24

Bharat Dynamics Limited (BDL) has announced its plans to export the Amogha-III, an advanced man-portable anti-tank guided missile (ATGM) developed indigenously. This third-generation missile features a range of 200 to 2500 meters and a tandem warhead capable of penetrating over 650 mm of armor, including against Explosive Reactive Armor. Its Dual Mode Imaging Infra-Red seeker and stealthy propulsion system enhance precision and reduce detection risk. By offering the Amogha-III to international customers, BDL aims to bolster India's presence in the global defense market, reflecting the strength and innovation of the Indian defense industry and contributing to national security.

## India's Mach 6 Hypersonic Missile Bolsters Deterrence in IOR



19-Nov-24

India's Defence Research and Development Organisation (DRDO) successfully tested a Long-Range Hypersonic Missile capable of reaching speeds of Mach 6 and a range of 2,000 km, positioning India among elite nations with hypersonic technology. This missile enhances India's deterrence capabilities against the China-Pakistan nexus, crucially covering significant areas of the Indian Ocean. Its ability to maneuver mid-flight makes it challenging to intercept, thereby altering adversaries' strategic calculus. This development underscores India's commitment to indigenous defense capabilities and technological advancement while adhering to international regulations, marking a critical shift in the balance of power in the Indo-Pacific region.

## India Halts BrahMos-2K Hypersonic Program, Upgrades Existing Missiles



19-Nov-24

India has temporarily shelved the BrahMos-2K hypersonic missile program due to its high development costs, opting instead to focus on upgrading the existing BrahMos missiles. The planned BrahMos-2K, inspired by Russia's 3M22 Zircon, aimed for speeds of Mach 6-7, but financial concerns prompted a strategic pivot towards enhancing the propulsion system of the current BrahMos, which could increase its speed to nearly Mach 5. This decision underscores India's pragmatic approach to modernizing its defense capabilities while maintaining cost-effectiveness, ensuring that the BrahMos remains a formidable asset against advanced air defense systems without the burden of exorbitant research and development expenses associated with hypersonic technology.

## Indian Navy's Project-75I Submarines to Boost Indigenous Manufacturing



19-Nov-24

The Indian Navy's Project-75I submarines will incorporate a variety of indigenous components to promote self-reliance in defense manufacturing, aligning with the Aatmanirbhar Bharat initiative. The initiative aims to construct six advanced submarines, integrating critical systems such as steering gears, pumps, and electrical equipment from Indian manufacturers, thereby significantly reducing import dependence. This localization effort is expected to enhance supply chain resilience, stimulate domestic manufacturing, foster innovation, and lower costs, ultimately creating job opportunities and technological advancements in the defense sector. This strategic move not only strengthens national defense capabilities but also bolsters the Indian defense industry's growth.

## Guyana Enhances Defense with New Dornier HAL-228s from India



19-Nov-24

Guyana has commissioned two advanced Dornier HAL-228-201 aircraft from India, marking a significant advancement in its defense capabilities. The ceremony, attended by high-ranking officials, underscores Guyana's commitment to modernizing its defense forces as part of a broader strategy to enhance national security. Prime Minister Brigadier (Retd) Mark Phillips highlighted that this acquisition is integral to transforming the Defense Force into a modern

institution capable of addressing diverse challenges, thus reaffirming the nation's sovereignty and citizens' well-being. This partnership with India not only strengthens Guyana's military infrastructure but also reflects India's growing influence in supporting regional allies in defense modernization.

## **HAL and Russia Team Up to Upgrade Su-30MKI's Fly-by-Wire System**



19-Nov-24

Hindustan Aeronautics Limited (HAL) is collaborating with Russia to enhance the Indian Air Force's Su-30MKI fleet through the Super Sukhoi project, which aims to modernize the crucial fly-by-wire (FBW) system. This upgrade addresses concerns raised by former Air Chief Marshal N.A.K. Browne regarding a design flaw identified a decade ago, ensuring improved reliability and advanced combat capabilities. The Su-30MKI's sophisticated FBW system, featuring quadruple redundancy, allows it to perform complex manoeuvres safely. This initiative not only rectifies past issues but also reinforces India's commitment to maintaining a robust and technologically advanced air force amidst evolving geopolitical challenges.

## **IAF Embraces Digital Twins for Efficient Spare Parts Management**



19-Nov-24

The Indian Air Force (IAF) is adopting advanced technologies like digital twins and AI to enhance its maintenance and inventory systems, transitioning from traditional methods to predictive maintenance. This initiative includes creating digital replicas of aircraft parts for real-time data analysis, aimed at improving operational efficiency, increasing aircraft uptime, and extending the lifespan of critical components. Additionally, digital fingerprinting of parts through collaboration with IIT-Bombay will streamline inventory management by assigning unique identities to components, reducing redundancy, and ensuring only certified parts are used. This transformation seeks to optimize logistics and reinforce the reliability and safety of IAF operations, showcasing India's commitment to modernization in defense capabilities.

## **Pakistan's J-10CE with AESA Radar Outclasses F-16 Block 52**



19-Nov-24

The Pakistan Air Force's assessment of its Chengdu J-10CE fighter jets, equipped with KLJ-10 AESA radar, indicates a significant tactical advantage over the F-16 Block 52, particularly in Beyond Visual Range (BVR)

scenarios. The J-10CE reportedly offers a 50-kilometer range advantage in target detection, enhancing situational awareness and first-strike capabilities. This advanced radar, combined with the long-range PL-15 missile, positions the J-10CE favorably for air-to-air combat. Analysts speculate that Pakistan may further bolster its BVR capabilities with additional J-10CE acquisitions, highlighting the ongoing regional air power developments that could influence India's defense strategies and necessitate advancements in its own aerial capabilities.

## **HAL's IMRH Helicopter to Feature Indigenous Engine, Prototype by 2027**



19-Nov-24

Hindustan Aeronautics Limited (HAL) is advancing its Indian Multi-Role Helicopter (IMRH) project, with the first prototype and Ground Test Vehicle expected by 2027. The IMRH will feature the indigenous Aravalli engine, enhancing self-reliance in India's aerospace sector, with an initial Safran engine for early prototypes. Designed for various missions, it aims to replace aging foreign helicopters in the Indian Armed Forces and potentially compete in the global market, building on HAL's export successes with the Dhruv Advanced Light Helicopter. This initiative aligns with India's "Atmanirbhar Bharat" vision, promoting both operational capability and economic independence in defense technology.

## **IIT-Kanpur Launches AI-Driven, Radar-Evasive Kamikaze Drone**



19-Nov-24

IIT-Kanpur has developed an AI-enabled, radar-evasive Kamikaze drone capable of carrying a 6 kg warhead over a range of 100 km, completing missions in approximately 40 minutes. Its advanced visual guidance system allows for autonomous navigation without GPS, and it features a high-resolution camera for real-time reconnaissance. Designed for all-weather operations, the drone operates effectively at an altitude of up to 4.5 km and can be launched from various platforms. This initiative, part of the DRDO's Young Scientist Laboratory project, underscores India's commitment to advancing indigenous defense technologies and enhancing operational capabilities against potential threats.

## Defense Policy and Budgeting

### Rajnath Singh Highlights IAF's Role at Commanders' Conference SHARE

19-Nov-24

The Hon'ble Raksha Mantri, Shri Rajnath Singh, addressed the Air Force Commanders' Conference in New Delhi, emphasizing the Indian Air Force's (IAF) commitment to safeguarding national sovereignty and adaptability to emerging challenges. He urged the IAF leadership and Ministry of Defence officials to enhance efficiency in capability and capacity building aligned with national aspirations. The conference facilitated discussions on operational and strategic issues, fostering collaboration among the chiefs of the three armed services. This platform underscores the importance of operational excellence and self-reliance (Atmanirbharta) in India's defense capabilities, crucial for addressing contemporary security threats and bolstering national defense strategies.

### Germany Unveils New Defense Strategy to Boost Arms Production SHARE

19-Nov-24

Germany is set to release a new defense industry strategy aimed at reducing bureaucratic hurdles and accelerating arms production by year-end, despite the collapse of its political coalition. This move aligns with the "Zeitenwende" policy to bolster the Bundeswehr following the Ukraine conflict. Defense Minister Boris Pistorius emphasized enhancing the country's defense industrial base and ensuring a sustainable framework for the security sector. The strategy includes potential government stakes in defense projects and aims to meet NATO's defense spending target of 2% of GDP by 2025, reflecting Germany's commitment to strengthening its military capacity amid ongoing geopolitical tensions.

## Geopolitics and Security Alliances

### China Affirms Commitment to Strengthening Ties with India SHARE

19-Nov-24

Recent high-level meetings between Indian and Chinese officials, including Prime Minister Modi and President Xi Jinping at the BRICS summit and External Affairs Minister S. Jaishankar with Foreign Minister Wang Yi at

the G20, reflect a significant thaw in relations following years of military standoffs. The leaders endorsed an agreement on troop disengagement along the Line of Actual Control, with Jaishankar noting advancements in de-escalation during his discussions with Wang Yi. Both sides emphasized the need to enhance mutual trust, communication, and cooperation, while also acknowledging the importance of addressing outstanding differences with a strategic perspective. This evolving dialogue indicates a collective commitment to revitalizing bilateral ties and fostering stability, underscoring India's proactive approach to diplomatic engagement while cautiously managing complex geopolitical dynamics.

### Jaishankar and Wang Yi Discuss Military Disengagement at G20 SHARE

19-Nov-24

External Affairs Minister S. Jaishankar and Chinese Foreign Minister Wang Yi met on the sidelines of the G20 Summit in Brazil to discuss the progress made in military disengagement along the Line of Actual Control (LAC) in eastern Ladakh and the next steps to enhance bilateral relations. Both sides acknowledged recent advancements, including an agreement on patrolling after a prolonged hiatus, highlighting the importance of de-escalation for normalization of ties. Jaishankar emphasized that India's commitment to improving relations is underscored by mutual respect and strategic cooperation, while Wang Yi called for increased trust and less suspicion. This dialogue follows a thaw in relations after a four-year standoff marked by military clashes, with both nations recognizing the need to prioritize communication and cooperation moving forward.

### Modi and Starmer Revive Talks on India-UK Free Trade Agreement SHARE

19-Nov-24

During the recent G20 Summit in Brazil, Indian Prime Minister Narendra Modi and UK Prime Minister Keir Starmer held a productive bilateral meeting, resulting in the announcement to relaunch negotiations for a Free Trade Agreement (FTA) in the upcoming year. Both leaders emphasized the importance of this trade deal, which aims to boost economic ties, currently valued at approximately GBP 42 billion, while also enhancing cooperation in critical areas such as security, technology, green energy, and education. Starmer's commitment to a strategic partnership with India aligns with the UK's broader trade strategy, as the Labour government seeks to reinforce economic growth and



create job opportunities domestically. Additionally, UK Minister for the Indo-Pacific, Catherine West, is visiting India to further strengthen bilateral relations, highlighting the UK's dedication to a mutually beneficial FTA and a Bilateral Investment Treaty. This renewed focus on trade and collaboration underscores India's vital role as one of the fastest-growing economies globally and reaffirms the significance of the India-UK Comprehensive Strategic Partnership in achieving shared prosperity and resilience against global challenges.

## Russia-Ukraine Conflict Reaches 1,000 Days: A Tragic Milestone



19-Nov-24

As of November 19, 2024, Russia-Ukraine War has reached its 1,000th day, marking a significant and tragic milestone in a conflict that has resulted in heavy human and material losses, particularly affecting Ukraine's civilian population and military personnel. The United Nations reports at least 11,743 civilian deaths and significant military casualties on both sides, with estimates suggesting that Ukraine could be experiencing more severe manpower shortages due to its smaller population compared to Russia. The war in Ukraine, reaching its 1,000th day, exemplifies the profound consequences of unresolved historical grievances and strategic missteps. What began in February 2022 as Russia's invasion of Ukraine has evolved into a brutal and prolonged conflict, challenging global norms and stability. From Ukraine's perspective, the war represents a fight for sovereignty and democratic freedom. Despite significant destruction and loss of life, Ukraine has garnered international support, with NATO and Western allies providing crucial military and financial assistance. Kyiv argues this invasion is a blatant violation of international law, aimed at undermining Ukraine's independence. However, ongoing Western aid underscores a larger strategic goal of containing Russian influence in Eastern Europe. Conversely, Russia asserts its actions are defensive, triggered by NATO's eastward expansion. Moscow views NATO's enlargement, particularly after the Cold War, as a threat to its national security. It points to broken assurances from the 1990s that NATO would not extend toward Russia's borders. Critics in Russia claim the West has ignored their legitimate security concerns while using Ukraine as a geopolitical pawn. This perspective is vital for understanding the Kremlin's motivations, though it does not justify the devastating toll of its actions. The broader geopolitical implications extend beyond Ukraine. Critics of NATO argue that its expansion in a largely unipolar world may

provoke similar crises in other regions, particularly where great powers feel encroached upon. The Ukraine war underscores the dangers of leaving strategic fault lines unresolved, with countries like China closely observing the West's response as they contemplate Taiwan and other territorial issues. The conflict reveals a critical lesson: unchecked expansion without sufficient diplomatic engagement can sow discord, not stability. To avoid future wars, global leaders must balance the imperatives of alliance-building with respect for regional security dynamics. As the war in Ukraine grinds on, this balance grows ever more urgent for a fractured and increasingly multipolar world.

## Amit Shah Boosts Security in Manipur with 5,000 Paramilitary Troops



19-Nov-24

Union Home Minister Amit Shah has increased security measures in Manipur, deploying 5,000 paramilitary troops to restore order amidst ongoing ethnic violence that has claimed over 220 lives since May 2022. The situation escalated following protests over the killing of women and children, leading to attacks on residences of local legislators. Shah emphasized the need for immediate peace restoration and directed security forces to take stringent actions against perpetrators. The reimposition of the Armed Forces (Special Powers) Act in violence-affected areas underscores the Indian government's commitment to maintaining stability in this strategically important northeastern state, reflecting a proactive approach to managing internal security challenges.

## Pakistan Eyes Chinese Hypersonic Tech to Counter India's Edge



19-Nov-24

Pakistan may seek hypersonic missile technology from China to counter India's military advancements, particularly its S-400 air defense system. Analysts suggest that Pakistan's efforts may focus more on political posturing than actual military capability, given its limited indigenous defense development. The potential acquisition of hypersonic missiles, such as the DF-17, could significantly alter regional security dynamics; however, Pakistan's reliance on Chinese assistance raises questions about its ability to operationalize these systems effectively. Ultimately, while Pakistan aims for strategic parity, its dependence on external support underscores weaknesses in its defense capabilities.

## Violence in J-K, North-East, and Naxal areas cut by 70%: Shah SHARE

19-Nov-24

Union Home Minister Amit Shah highlighted that the BJP-led government has successfully reduced violence in Jammu and Kashmir, the North-East, and Naxal-affected areas by 70% over the past decade. He emphasized the government's commitment to improving security in these regions, which have historically faced significant disturbances. Furthermore, Shah announced the implementation of three new criminal laws aimed at modernizing the Indian criminal justice system, promising quicker justice within three years of FIR registration. This initiative is set to replace outdated British-era laws, showcasing the government's proactive approach in enhancing law enforcement and public safety in India.

## ICG Holds 136th OSCC Meeting to Strengthen Offshore Security SHARE

19-Nov-24

The Indian Coast Guard (ICG) held its 136th Offshore Security Coordination Committee (OSCC) meeting in Hyderabad on November 19, 2024, emphasizing the critical need for robust security measures for offshore installations vital to India's energy security. Director General Paramesh Sivamani highlighted collaborative efforts among various agencies, including the Indian Navy, Indian Air Force, and relevant ministries, to enhance preparedness against potential threats. Established in 1978, the OSCC has been pivotal in shaping policies and addressing offshore security challenges, which are increasingly significant in the context of India's expanding energy needs and maritime interests. This proactive approach reinforces India's commitment to safeguarding its strategic assets.

## NATO Chief: Putin's Victory in Ukraine Threatens the West SHARE

19-Nov-24

NATO Chief Mark Rutte emphasized the importance of ensuring that Russian President Vladimir Putin does not prevail in Ukraine, marking the 1,000-day milestone of the conflict. He warned that a Russian victory would not only embolden Moscow but also pose a significant threat to Western nations. This underscores NATO's commitment to collective defense and deterrence against Russian aggression, reinforcing the necessity for a united front among its members. From India's perspective, supporting Ukraine aligns with its strategic interests in promoting regional stability and countering

authoritarianism, ultimately contributing to a more secure geopolitical environment.

## Putin's Nuclear Doctrine Update Signals Escalating Tensions with US SHARE

19-Nov-24

Russia has updated its nuclear doctrine, expanding the scenarios for potential nuclear weapon use, driven by escalating tensions with the West, particularly regarding the conflict in Ukraine. This development occurs against the backdrop of the US reportedly permitting Ukraine to target deep into Russian territory, raising concerns over regional stability and nuclear risks. The shift in Russia's stance underscores the ongoing geopolitical volatility and the need for India to bolster its own defense strategies. As India navigates this precarious landscape, enhancing its military capabilities and fostering strategic partnerships will be crucial in ensuring national security amidst these global tensions.

## Sweden Boosts Citizen Readiness Amid Rising War Threats SHARE

19-Nov-24

Sweden and Finland are enhancing their citizens' preparedness for potential conflicts, reflecting heightened security concerns post-Russia's invasion of Ukraine. Sweden is distributing over five million copies of a crisis survival booklet titled "If Crisis or War Comes," while Finland has launched an online crisis preparedness resource. These initiatives aim to bolster resilience among the populace, covering emergency supplies, evacuation procedures, and mental health support. This proactive approach underscores the importance of national defense preparedness, potentially serving as a model for other nations, including India, to strengthen their own strategies in light of evolving geopolitical threats.

## China Intensifies Military Activity Near Taiwan: Implications for India SHARE

19-Nov-24

Taiwan's Ministry of National Defence reported increased military activity by China, detecting nine aircraft and five vessels near its territory, with three aircraft violating the median line into Taiwan's air defence zone. This uptick in military maneuvers has been observed since 2020, raising concerns about regional stability. The situation underscores China's assertiveness in asserting territorial claims, which poses a challenge to Taiwan's sovereignty and security. For India, this scenario highlights the importance of

strengthening its own defense posture and alliances in the Indo-Pacific region to counterbalance China's growing influence and enhance regional stability.

## Netanyahu: Israel Strikes Iranian Nuclear Site, Diminishes Threats



19-Nov-24

Israeli Prime Minister Benjamin Netanyahu announced that an airstrike on October 26 targeted elements of Iran's nuclear program and degraded its missile production capabilities. He claimed the attack destroyed three remaining Russian-supplied S-300 missile defense systems and significantly impacted Iran's ability to produce solid fuel for long-range missiles. While the U.N. and U.S. intelligence assert that Iran's nuclear weapon development program was halted in 2003, Netanyahu emphasized that Iran's path to a nuclear weapon remains unchecked. This development highlights the ongoing tensions in the region and Israel's proactive defense strategy in countering perceived threats from Iran.

## US and Philippines Forge Intelligence Pact to Counter China



19-Nov-24

The United States and the Philippines have signed a military intelligence-sharing agreement, the General Security of Military Information Agreement (GSOMIA), to enhance defense collaboration amid rising tensions with China in the South China Sea. This pact will enable secure sharing of classified military information and bolster the capabilities of the Philippine armed forces while promoting interoperability between U.S. and Philippine military operations. U.S. Defense Secretary Lloyd Austin emphasized the commitment to the alliance, which is vital for regional peace and stability. The agreement reflects a strategic response to China's aggressive actions, reinforcing the significance of U.S. presence in the Indo-Pacific for safeguarding national security interests.

## PM Modi Engages with Global Leaders on Key Challenges at G20



19-Nov-24

During the first day of the G20 Summit in Rio, PM Modi engaged with several world leaders, including US President Joe Biden and French President Emmanuel Macron, discussing key global challenges such as food and fuel shortages affecting the Global South. Modi's address emphasized India's commitment to global food security and humanitarian aid, reinforcing its role as a proactive player in international forums. He advocated

for G20 nations to prioritize solutions to pressing issues, reflecting India's ongoing efforts to combat hunger and poverty domestically and abroad. This engagement highlights India's strategic diplomatic approach, enhancing its influence in global affairs while championing the needs of developing nations.

## PM Modi Strengthens Ties with Indonesia and Portugal



19-Nov-24

PM Modi recently held bilateral meetings with Indonesia and Portugal, focusing on strengthening ties in various sectors. In discussions with Indonesia's President Prabowo Subianto, they emphasized enhancing the Comprehensive Strategic Partnership, particularly in security and commerce. With Portugal's Prime Minister Luis Montenegro, Modi aimed to bolster economic collaboration, particularly in renewable energy and defense relations, while also highlighting their historical connections. These engagements underline India's commitment to fostering international partnerships that address mutual interests and challenges, reflecting a strategic approach to enhance its geopolitical and economic standing.

## US Urges Bangladesh to Halt Violent Suppression of Protests



19-Nov-24

Recent reports indicate a severe crackdown by the Bangladeshi government on peaceful protests, resulting in at least 170 deaths and numerous injuries amid allegations of unlawful killings, enforced disappearances, and torture. UN experts have urged for immediate investigations into these human rights abuses and the restoration of internet access to promote transparency. The situation raises significant concerns about governance and democratic practices in Bangladesh, with the U.S. urging an end to violent measures against dissent. This escalating crisis could also have broader implications for regional stability, prompting neighboring countries, including India, to monitor the situation closely to safeguard their own interests in the region.

## Military Operations

### Indian Armed Forces Showcase Warfighting Skills in 'Poorvi Prahar' Exercise

19-Nov-24

The Indian Army, Navy, and Air Force recently conducted a joint military exercise named 'Poorvi Prahar' over nine days, showcasing their advanced warfighting capabilities in near-real combat scenarios. This comprehensive exercise reflects India's commitment to enhancing joint operational readiness among its armed forces, vital for addressing various security challenges in the region. The collaborative efforts underscore the strategic importance of interoperability and combined arms operations, reinforcing India's position as a formidable military power. Overall, 'Poorvi Prahar' highlights the proactive approach of the Indian defense forces in ensuring national security and deterring potential threats, fostering confidence in their preparedness and operational effectiveness.

## Terrorism and Counterterrorism

### LeT Terrorist and Associate Arrested in J-K Operations

19-Nov-24

Security forces in Jammu and Kashmir arrested a Lashkar-e-Toiba (LeT) terrorist and a terror associate during separate operations in Pulwama and Baramulla districts. Irshad Ahmad Chopan, the arrested terrorist, was found with a pistol, ammunition, and had prior involvement in attacks against civilians, including a recent shooting of a non-local laborer. Additionally, Showkat Ahmad Bhat, a terrorist associate, was apprehended in Baramulla with an AK rifle and ammunition. These operations underscore the proactive measures by Indian security forces to counter terrorism in the region, reflecting their commitment to maintaining peace and security amid ongoing challenges from militant groups.

## Cybersecurity and Information Warfare

### Germany suspects sabotage in damage to Baltic data cables.

19-Nov-24

Germany's defense minister has indicated that damage to two undersea data cables in the Baltic Sea, including one linking Finland to Germany, is likely the result of sabotage. This incident, perceived as a potential act of hybrid warfare, has raised alarms regarding the security of critical infrastructure amid escalating tensions with Russia. The lack of concrete evidence does not diminish the gravity of the situation, as it underscores the vulnerabilities in Europe's digital infrastructure. Enhanced vigilance and collaborative defense strategies among nations, especially those in proximity to potential aggressors, are essential to safeguard against such threats.

## Miscellaneous

### PM Modi Urges G20 to Tackle Global South Challenges

19-Nov-24

During the G20 Summit in Brazil, Prime Minister Modi emphasized the urgent need for addressing challenges faced by Global South countries amid global crises in food, fuel, and fertilizers. He highlighted India's achievements in reducing poverty, promoting women's empowerment, and ensuring food security through various initiatives, including the world's largest crop insurance scheme. Modi advocated for reforms in global governance to better represent these nations and reiterated India's commitment to sustainable development. His focus on inclusive strategies aims to lift millions out of poverty and improve global food security, showcasing India's leadership on the international stage.

### Key Accused in 1993 Deoband Blast Arrested in J&K

19-Nov-24

Nazir Ahmad Wani, a key accused in the 1993 Deoband blast case, was arrested in Budgam, Jammu and Kashmir, by the Uttar Pradesh Police with assistance from local authorities. Wani, who previously contested the Assembly elections and was out on bail since 1994, had absconded after failing to adhere to his bail



conditions. His election affidavit omitted the blast case, despite his criminal background, including a recent charge of wrongful restraint. This arrest highlights ongoing efforts to address historical terrorism-related crimes in India, reinforcing the commitment of law enforcement to uphold justice and ensure accountability for past offenses.

## Indian Coast Guard Rescues 7 Fishermen from PMSA Vessel in Gujarat



19-Nov-24

The Indian Coast Guard successfully rescued seven Indian fishermen from a Pakistan Maritime Security Agency (PMSA) vessel near the maritime boundary off Gujarat after they were apprehended during a distress call regarding their damaged fishing boat, Kal Bhairav. The Coast Guard acted swiftly to intercept the PMSA ship, persuading them to release the fishermen who were found in stable condition. Though the Kal Bhairav sank during the incident, the rescue underscores the Coast Guard's commitment to safeguarding Indian fishermen and maintaining maritime security. A joint investigation involving various Indian agencies has been launched to examine the circumstances surrounding the encounter between the vessels, highlighting the proactive measures taken by Indian authorities in protecting its maritime interests.

## SpaceX Launches GSAT-N2, Boosting India's Communication Capabilities



19-Nov-24

Elon Musk's SpaceX successfully launched India's GSAT-N2 satellite, also known as GSAT-20, into orbit using the Falcon 9 rocket from Cape Canaveral, marking a significant milestone in the collaboration between the Indian Space Research Organisation (ISRO) and SpaceX. The GSAT-N2, weighing 4,700 kilograms, is designed to enhance India's communication infrastructure by providing broadband services to remote areas and enabling in-flight internet connectivity for passenger aircraft. This launch is particularly notable as it represents ISRO's strategic shift towards commercial partnerships for launching heavier payloads, moving away from reliance on European services. The satellite, which boasts a data transmission capacity of 48 Gbps and is expected to operate for 14 years, signifies India's growing capabilities in the space sector and reflects the nation's commitment to advancing its technological prowess through international collaborations.

## Anmol Bishnoi, brother of gangster Lawrence, arrested in US amid extradition efforts.



19-Nov-24

Anmol Bishnoi, the brother of notorious gangster Lawrence Bishnoi, has been arrested in California, USA, amidst ongoing investigations into serious criminal activities linked to him, including the murder of NCP leader Baba Siddiqui and the infamous ring outside Bollywood actor Salman Khan's house. Although the U.S. State Department has refrained from commenting on the specifics of his case, Indian investigative agencies confirmed his arrest, highlighting that Mumbai Police had previously issued a lookout circular for him due to his alleged involvement in these cases and his suspected role in orchestrating crimes from abroad after his brother's imprisonment. Anmol is also implicated in the provision of weapons for the murder of Punjabi singer Sidhu Moosewala and has been declared a most wanted individual by the National Investigation Agency (NIA), which has placed a reward for information leading to his capture. His arrest follows closely after that of another gangster, Arshdeep Singh Gill in Canada, emphasizing the increasing collaboration between Indian law enforcement and international agencies in combating transnational crime and terrorism. The situation underscores the importance of international cooperation in tackling organized crime, particularly as these figures exploit global borders to facilitate criminal enterprises and evade justice.

## ESA Successfully Refuels Proba-3 Satellite in India, Showcasing Collaboration



19-Nov-24

The European Space Agency successfully refueled its Proba-3 satellite in India, where the ArianeGroup fueling team tested and filled the Oscillator Control System with 268 bar of nitrogen. The leak testing process presented challenges, notably requiring the team to wear protective gear due to safety protocols. Proba-3 features a unique design with two satellites that fly in formation, allowing one to block the Sun's disk for observational purposes, with a planned launch using India's PSLV-XL on November 29. This collaboration underscores India's growing role in the global space industry, highlighting its advanced capabilities in satellite technology and fueling operations.

## Indian Army Wraps Up Successful 'Sanyukt Vimochan 2024' HADR Exercise SHARE

19-Nov-24

The Indian Army successfully concluded the 'Sanyukt Vimochan 2024' exercise in Gujarat on November 18-19, focusing on humanitarian assistance and disaster relief (HADR) operations. The event showcased coordination among various agencies, including the Army, Navy, Air Force, and National Disaster Response Force, simulating a cyclone scenario to enhance disaster response capabilities. General Upendra Dwivedi praised the collaboration and emphasized India's commitment to global humanitarian efforts, underscoring the importance of self-reliance through indigenous technology in disaster management. The participation of foreign delegates highlighted India's leadership and dedication to international cooperation in addressing natural disasters, reflecting the philosophy of Vasudhaiva Kutumbakam, or "the world as one family."

## INS Brahmaputra Uprighted with International Aid, Full Repair Ahead SHARE

19-Nov-24

The INS Brahmaputra, a guided-missile frigate that suffered extensive damage from a fire four months ago, has been successfully righted using specialized balloon-like structures with foreign assistance. The ship, which will take several months to fully restore, is currently being overseen by the Western Naval Command and a Special Task Force led by a Rear Admiral. Despite the challenges posed by water accumulation and extensive repairs needed for seaworthiness, the Indian Navy remains committed to reviving the vessel, emphasizing its operational importance. Chief of Naval Staff Admiral Dinesh K Tripathi has highlighted the significance of restoring the frigate, showcasing India's capability to seek international collaboration when necessary.

## NIA Takes Charge of Investigating Recent Violence in Manipur SHARE

19-Nov-24

The National Investigation Agency (NIA) has taken over the investigation of three violence-related cases in Manipur, including the murder of a woman and attacks on security forces. Following a resurgence of ethnic violence that has claimed over 220 lives since May 2023, the situation remains tense, with recent protests leading to attacks on political figures' residences. The violence stems from conflicts between the Meitei

community and Kuki-Zo groups over demands for Scheduled Tribe status. To restore order, the Union home ministry has directed security forces to take necessary actions, highlighting the government's commitment to maintaining peace in the region amid ongoing unrest.

## ISRO Develops AI System to Enhance Aircraft Tracking at Airports SHARE

19-Nov-24

ISRO's Space Applications Centre has successfully developed an AI-powered airport monitoring system aimed at automating aircraft tracking and enhancing surveillance at key Indian airports like Ahmedabad, Mumbai, and Pune. Utilizing advanced models such as YOLOv5 and YOLOv7, the system analyzes global datasets and Indian satellite imagery for precise object detection. This innovation promises streamlined operations, improved security, and significant contributions to national safety and environmental sustainability. By implementing this technology across Indian airports, ISRO not only positions India at the forefront of advanced aerospace technologies but also strengthens its commitment to modernizing aviation management and enhancing national security capabilities.

## PM Modi and Biden Strengthen Ties at G20 Summit in Brazil SHARE

19-Nov-24

Prime Minister Narendra Modi met with U.S. President Joe Biden during the G20 Summit in Rio de Janeiro, expressing delight in their interaction. Modi also engaged with UN Secretary-General Antonio Guterres and Singapore's Prime Minister Lawrence Wong, showcasing India's diplomatic outreach. As part of the G20 Troika alongside Brazil and South Africa, India aims to contribute actively to global discussions and advance its positions on significant international issues. This engagement underscores India's role as a key player in international diplomacy, reflecting its commitment to fostering cooperative global governance and enhancing its strategic partnerships, particularly with major powers like the United States.

## India Fines Meta \$25.4M, Bans WhatsApp Data Sharing for 5 Years SHARE

19-Nov-24

India's Competition Commission has fined Meta \$25.4 million and prohibited WhatsApp from sharing user data with other Meta applications for five years due to antitrust violations linked to its 2021 privacy policy. The

CCI's decision follows a probe started in March 2021, aiming to safeguard user data and prevent coercive practices regarding service access. This move reflects India's increasing regulatory scrutiny of tech giants amid ongoing discussions of a potential Digital Competition Bill. While the U.S.-India Business Council has voiced concerns regarding the implications for business, this regulatory action underscores India's commitment to protecting consumer rights and fostering fair competition in the digital space.

## Sri Lanka's President Dissanayake to visit India in December



19-Nov-24

Sri Lankan President Anura Kumara Dissanayake will visit India in December, invited by Prime Minister Narendra Modi and facilitated by External Affairs Minister S. Jaishankar. This visit comes after India provided significant assistance during Sri Lanka's economic crisis, reinforcing India's role as a key partner in the Indian Ocean Region. Despite Dissanayake's previous opposition to certain Indian projects, particularly those by the Adani Group, the new government's intentions to improve international relations signal potential for collaboration. India's strategic interest in Sri Lanka is critical for regional stability and security, aligning with its SAGAR initiative and neighborhood policies.

## Modi and Macron Strengthen Defense Ties at G20 Summit in Brazil



19-Nov-24

During the G20 Summit in Brazil, Prime Minister Modi and French President Macron discussed enhancing bilateral cooperation, particularly in defense and renewable energy technologies. Modi praised France's recent hosting of the Olympic Games, while both leaders underscored the need for stronger people-to-people connections and cultural exchanges. They also addressed the importance of stability in the Indo-Pacific region, reflecting the deepening strategic partnership between India and France. This meeting highlights India's commitment to fostering international collaborations that strengthen its defense capabilities and enhance regional security.

## Modi and Meloni Forge Stronger India-Italy Defense Ties



19-Nov-24

During a meeting between Prime Minister Modi and Italian PM Meloni, the leaders emphasized

strengthening cooperation in defense, security, trade, and technology, highlighting the potential of the India-Italy friendship to enhance global well-being. A significant outcome was the announcement of the India-Italy Joint Strategic Action Plan for 2025-2029, which encompasses collaborative initiatives in clean energy, space exploration, and emerging technologies. This meeting reflects India's strategic efforts to deepen international partnerships amid global challenges, showcasing its commitment to fostering stronger ties that bolster both nations' interests in defense and other sectors.

## G20 Brazil Declaration Focuses on Global Hunger and Poverty Solutions



19-Nov-24

The G20 Brazil Declaration emphasizes international collaboration to combat hunger and poverty, highlighting that these issues arise from political decisions rather than scarcity, with support from major organizations like the African Union and the Bill & Melinda Gates Foundation. Brazilian President Lula stresses the urgency of social issues despite geopolitical tensions, particularly the ongoing conflicts in the Middle East and Ukraine. With the potential return of Donald Trump in the U.S., there are concerns that the focus on sustainable development may face challenges amidst shifting U.S. policies. The difficulty in achieving consensus among diplomats underscores the complexity of addressing these pressing global crises without assigning blame.

## PM Modi Highlights Africa's Role in Global Development



19-Nov-24

Prime Minister Modi's discussions with Nigerian President Bola Ahmed Tinubu focused on strengthening bilateral cooperation across defense, technology, health, and education sectors, culminating in several signed MoUs. Modi emphasized India's role in amplifying Africa's presence on global platforms, notably the African Union's G20 membership. With over \$27 billion invested by Indian companies in Nigeria, India is committed to supporting Nigeria through humanitarian aid amid recent floods, reflecting the depth of their historical ties and ongoing friendship. This engagement not only enhances India's diplomatic footprint in Africa but also aligns with its broader strategy of fostering development and solidarity among Global South nations.

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# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
LOKESHMACH	332.15	393.9	332.1	371.45	435238	11.83	51.38	358.28	390.27
MTARTECH	1624.7	1775.0	1619.3	1743.3	870683	7.99	60.38	1606.21	1821.76
DATAPATNS	2177.4	2324.25	2172.95	2291.35	661682	5.95	47.71	2287.73	2676.51
COCHINSHIP	1320.0	1362.3	1320.0	1360.5	295055	4.54	37.85	1423.54	1622.34
MARINE	219.65	229.34	219.6	227.81	450602	4.3	52.06	217.85	171.52
TANEJAERO	394.95	413.8	393.0	405.45	17454	4.08	39.31	416.51	490.53
IDEAFORGE	570.0	594.7	570.0	586.85	94099	2.98	42.15	595.53	710.58
BDL	946.15	999.95	946.15	966.4	931303	2.85	35.34	1040.66	1170.54
SOLARINDS	9800.0	10025.0	9720.65	9983.5	49414	2.64	42.72	10223.89	9614.68
MAZDOCK	4170.0	4172.95	4060.0	4075.55	1456186	2.46	47.53	4092.68	3505.13
HIGHENE	594.9	609.95	587.2	597.85	4175	2.41	41.11	614.78	709.83
CFE	580.0	594.95	575.1	580.25	27800	2.4	42.2	602.38	594.49
ASTRAMICRO	740.05	767.65	739.95	757.3	153544	2.11	44.1	765.01	780.5
PARAS	960.0	1004.8	960.0	977.55	121966	2.11	44.05	998.05	991.96
GRSE	1422.0	1456.0	1401.4	1409.25	411727	1.57	35.34	1525.28	1473.14
PTC	165.56	173.13	165.56	169.09	1408272	1.51	36.35	176.92	206.37
BHARATFORG	1296.0	1355.35	1296.0	1323.35	1521514	1.44	33.91	1394.85	1432.12
HBLPOWER	541.95	565.1	541.95	547.75	1310683	1.27	45.43	551.09	548.12
SIKA	2420.0	2444.95	2400.0	2428.05	1586	0.98	41.07	2502.33	2368.5
ZENTEC	1759.95	1814.45	1757.3	1768.9	210147	0.66	47.55	1796.28	1307.26
BEL	280.0	285.2	277.0	279.0	13160982	0.34	44.23	283.98	264.27
ADANIENT	2831.0	2894.8	2809.8	2821.5	536296	0.1	40.91	2875.6	3099.46
AZAD	1580.0	1606.0	1539.9	1576.25	146331	-0.16	53.32	1535.95	1463.31
PREMEXPLN	433.35	448.9	430.0	432.45	60031	-0.21	38.97	451.79	497.39
MIDHANI	322.4	325.7	316.6	318.5	479489	-0.22	37.8	329.13	419.93
AVANTEL	149.5	152.8	146.51	147.48	689572	-0.31	29.53	164.35	-
APOLLO	94.0	95.55	92.5	92.9	1155228	-0.42	36.43	98.29	108.57
HAL	4100.0	4148.7	4040.0	4057.15	1425438	-0.51	36.91	4238.17	4256.8
DCXINDIA	317.4	329.95	311.45	315.1	390091	-0.58	45.25	323.98	333.95
BEML	3750.95	3845.0	3670.0	3699.15	219013	-0.82	40.02	3935.47	3831.54
NIBE	1697.0	1698.0	1650.05	1668.5	22022	-0.99	41.74	1731.47	1677.71
LT	3559.9	3607.0	3495.0	3505.9	1826460	-1.02	44.8	3527.95	3574.53
KRISHNADEF	0.0	684.25	670.25	680.0	25000	-3.44	47.77	682.99	591.21
TEMBO	0.0	687.5	660.6	687.5	83457	-5.91	74.81	554.09	311.77
ROSSELLIND	0.0	80.01	79.08	79.08	21718	-17.04	24.51	91.22	426.7