

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

Armenia in Talks to Buy 78 More ATAGS After Successful Trials

📌 SHARE

20-Nov-24

Armenia is advancing negotiations with India's Kalyani Strategic Systems Limited (KSSL) for the procurement of 78 additional Advanced Towed Artillery Gun Systems (ATAGS), following successful trials of an initial six units that demonstrated exceptional capabilities across Armenia's varied terrain, including high-altitude areas. The ATAGS's adaptability, long-range accuracy, and operational reliability were confirmed during rigorous testing, leading Armenia's Ministry of Defence to seek enhancements based on military feedback, notably incorporating a user interface in the Armenian language. This potential deal not only reinforces the burgeoning defense collaboration between Armenia and India but also highlights India's rising stature as a global supplier of advanced military technology, particularly in Eastern Europe, where demand for cost-effective and versatile solutions is growing. Moreover, while the Armenian Army is expanding its artillery capabilities with the ATAGS, it is noteworthy that the Indian Army is exploring different artillery systems that prioritize agility and automation, indicating a strategic divergence in artillery requirements between domestic needs and export offerings. This situation underscores the dynamic nature of India's defense industry, which is not only catering to international markets but also adapting to the evolving demands of its own armed forces. Overall, the discussions surrounding the ATAGS deal exemplify India's commitment to strengthening its defense ties through indigenous technology, affirming its role as a key player in global defense markets.

Ramjet Technology Could Triple Pinaka Rocket Range, Expert Says

📌 SHARE

20-Nov-24

Lt. Gen. P.R. Shankar (Retd.) revealed that IIT Madras is working on ramjet propulsion technology for the Pinaka Multi-Barrel Rocket Launcher (MBRL), aiming to extend its range from 75 km to 225 km. This enhancement would allow the Pinaka to strike deep into enemy territory without needing to reposition closer to the frontlines, significantly boosting its tactical versatility. Unlike traditional ramjet systems used in guided missiles that rely on liquid fuel, the Pinaka uses solid fuel, which is better suited to battlefield rocket systems. Solid fuel is safer to handle, easier to store, and faster to deploy, critical advantages for rapid and unpredictable combat scenarios. The innovation could possibly rely on Solid Fuel Ducted Ramjet (SFDR) technology, recently demonstrated in the Astra Mk3 missile, to efficiently utilize atmospheric oxygen for combustion, improving range and performance. While the shift to ramjet propulsion presents engineering challenges and potential cost implications, its promise of enhanced range and operational efficiency could transform India's artillery capabilities, reinforcing its defense strategy.

Elbit's ATHOS Gun Challenges India's Toward Gun System Contract

📌 SHARE

20-Nov-24

Israeli defense manufacturer Elbit Systems is promoting its Autonomous Towed Howitzer Ordnance System (ATHOS) in the Indian Army's procurement of 400 Towed Gun Systems (TGS), aiming for 70% indigenization to lower costs compared to the indigenous Dhanush gun. However, the Advanced Towed Artillery Gun System (ATAGS), developed by

DRDO and jointly produced by Tata Advanced Systems and Bharat Forge, boasts superior features and has nearly secured a contract for 307 units. The decision will hinge on price, indigenization, and the impact on India's self-reliance goals, with potential implications for the Atmanirbhar Bharat vision. Careful consideration by the Ministry of Defence is essential to balance affordability and indigenous development.

## Indian Navy Targets Indigenous Marine and Diesel Engines by 2047 [SHARE](#)

20-Nov-24

The Indian Navy is focused on achieving complete self-reliance in marine and diesel engines by 2047, in line with the Aatmanirbhar Bharat initiative. Currently reliant on foreign suppliers, particularly Ukraine, the Navy is collaborating with the Gas Turbine Research Establishment to develop the Kaveri Marine Gas Turbine and exploring partnerships with Indian private sector manufacturers for diesel engines. This strategic move aims to bolster domestic defense manufacturing, enhance operational readiness, and reduce lifecycle costs while ensuring a steady supply of spares. The shift towards indigenous engines underscores India's commitment to strategic autonomy amidst geopolitical challenges.

## Bayraktar TB3 Makes History as First UCAV on Short-Runway Carrier [SHARE](#)

20-Nov-24

The Bayraktar TB3, Turkey's new unmanned combat aerial vehicle (UCAV), has made history as the first of its kind to successfully take off and land on the short-runway carrier TCG Anadolu. This achievement highlights Turkey's advancements in unmanned aerial technology, with the TB3 also showcasing its foldable wings and completing multiple ski-jump tests. Baykar, Turkey's leading defense exporter, underscores the nation's growing defense capabilities, contributing significantly to the global defense market with \$5.5 billion in sales last year. This development may influence regional power dynamics, prompting India to enhance its own naval and aerial capabilities in response to emerging threats.

## Rubin Design Bureau Unveils BOSS Hybrid Patrol Vessel for India [SHARE](#)

20-Nov-24

Rubin Design Bureau has introduced the Border and Offshore Submersible Sentry (BOSS) hybrid patrol vessel to the Indian Navy, designed for multi-role operations including anti-submarine warfare and

surveillance. With a length of 72 meters and a displacement of 1,300 tons, BOSS features advanced hull design for stability and reduced radar cross-section, high-powered propulsion for speeds up to 21 knots, and an operational range of 4,000 miles. This innovative platform is tailored to meet India's maritime security needs, particularly in its vast Exclusive Economic Zone, and Rubin seeks partnerships with Indian companies for its development, enhancing India's strategic capabilities in the Indian Ocean Region.

## Bombardier Proposes Global 6000 for IAF's Netra Mk1A AWACS Upgrade [SHARE](#)

20-Nov-24

Bombardier Defense has proposed the Global 6000 business jet as a platform for India's Netra Mk1A AWACS, following the discontinuation of the ERJ145 used for the current Netra Mk1 systems. While the Global 6000 offers superior range and payload capacity, the IAF may prefer the ERJ145 for logistical continuity and cost-effectiveness in acquiring used units. The decision hinges on balancing operational capability with existing fleet commonality, as the Global 6000 could enhance surveillance capabilities significantly. Ultimately, the IAF's choice will reflect its strategy to modernize while ensuring efficient maintenance and training protocols.

## GTRE to Receive First Privately Made STFE Engines by 2026 [SHARE](#)

20-Nov-24

The Gas Turbine Research Establishment (GTRE) of DRDO will begin receiving the first privately manufactured Small Turbofan Engine (STFE) by early 2026, enhancing India's indigenous defense production capabilities. Designed for subsonic cruise missiles and UAVs, the 400-kg thrust STFE engine is crucial for long-endurance military operations. By 2028, full-scale production is anticipated, positioning the engine as a cornerstone of India's defense aerospace sector while bolstering its defense exports and global market standing. This development highlights India's growing capacity in advanced propulsion systems, reinforcing its strategic autonomy and operational readiness in defense technology.

## IISc Innovates Advanced Fuel Injector for AMCA Fighter Jet [SHARE](#)

20-Nov-24

Researchers at the Indian Institute of Science (IISc) have developed an advanced fuel injector for the AMCA fighter aircraft, utilizing cutting-edge 3D printing

techniques to enhance combustion efficiency. This high-shear fuel injector achieves optimized flow consistency, ultra-fine droplet sizing, precise spray patterns, and improved flame stability, crucial for high-performance military aviation. Its superior performance has been validated through extensive testing under extreme conditions, promising to significantly elevate the capabilities of India's fifth-generation stealth fighter. Beyond the AMCA, this technology has potential applications in UAVs, advanced missiles, and space propulsion systems, highlighting India's growing prowess in aerospace innovation and defense self-reliance.

## IAF Teams Up with IISc and FSID for Smarter Equipment Maintenance

 SHARE

20-Nov-24

The Indian Air Force (IAF) has signed a Memorandum of Agreement with the Indian Institute of Science (IISc) and the Foundation for Scientific and Industrial Research (FSID) to enhance equipment maintenance through a reliability-centered maintenance (RCM) approach. This collaboration focuses on improving the serviceability of radar, aircraft, IT, and communication platforms by employing advanced maintenance techniques and reducing downtime. The IAF aims to achieve significant cost savings and enhance operational readiness, ensuring it can effectively meet any operational challenge. This partnership underscores the IAF's commitment to leveraging scientific research for optimizing maintenance strategies, thereby bolstering its overall mission effectiveness.

## Bharat Forge and Defence Ministry Begin ATAGS Contract Talks

 SHARE

20-Nov-24

Bharat Forge and the Indian Defence Ministry have commenced contract negotiations for the Advanced Towed Artillery Gun System (ATAGS), a cutting-edge 155 mm/52 calibre artillery system developed by DRDO in collaboration with Bharat Forge and Tata Advanced Systems. With Bharat Forge emerging as the lowest bidder for a contract exceeding 6,000 crore for 307 units, the project aligns with India's "Make in India" initiative, aiming to bolster domestic defense manufacturing and reduce foreign dependency. The ATAGS, which has proven its reliability in various environments, positions India to enhance its military capabilities and explore future export opportunities, thereby solidifying its defense industry.

## Vietnam Defense Expo: A Showcase of Global Arms Rivalry

 SHARE

20-Nov-24

Vietnam is set to host a defense expo featuring nearly 200 companies from 27 countries, including notable rivals such as Israel and Iran. This event is part of Vietnam's strategy to diversify its military supply sources and reduce dependence on Russian arms, reflecting its flexible "bamboo diplomacy." By engaging with various nations for procurement deals, Vietnam aims to enhance its defense capabilities and broaden its international partnerships. This move is indicative of the shifting dynamics in global defense markets and highlights India's potential as a strategic partner, given its own advancements in defense technology and commitment to strengthening regional security.

## Defense Policy and Budgeting

## Rajnath Singh Urges IAF to Enhance Capability Development Efficiency

 SHARE

20-Nov-24

Defence Minister Rajnath Singh emphasized the need for enhanced efficiency in the Indian Air Force's (IAF) capability development during a commanders conference, commending the force's dedication to national sovereignty. The conference focused on national security challenges, particularly along the LAC with China, and discussed strategies to boost combat capabilities amid delays in delivering Tejas jets from Hindustan Aeronautics Ltd (HAL). Air Chief Marshal AP Singh highlighted the goal of achieving complete indigenous production of the IAF's inventory by 2047, reflecting India's commitment to self-reliance in defense. This aligns with the broader national aspirations for a robust and capable military force.

## Geopolitics and Security Alliances

## Indian, Chinese Defence Ministers Meet to Strengthen Ties

 SHARE

20-Nov-24

Recent diplomatic interactions between India and China have shown a significant thaw in relations following years of tension, particularly after the violent clashes in Galwan Valley in 2020. Indian Defence Minister Rajnath Singh and External Affairs Minister S. Jaishankar held

separate meetings with their Chinese counterparts, emphasizing the importance of cooperation over conflict and the need to build mutual trust. During these discussions, both sides acknowledged the progress made in troop disengagement along the Line of Actual Control (LAC) and agreed to resume patrols and discuss the restoration of direct flights and the Kailash Mansarovar Yatra pilgrimage, which had been suspended since the pandemic. The recent dialogues are reflective of a broader bilateral strategy aimed at stabilizing ties, with Indian leadership highlighting the significance of amicable relations for regional and global peace. Furthermore, the engagements at recent summits, including the G20 and the ASEAN Defence Ministers Meeting, underscore India's commitment to a multipolar world and constructive international cooperation, with both nations recognizing their shared responsibility to maintain peace and stability in the region. This approach aligns with India's strategic vision to foster a secure environment while managing differences, as articulated by both Singh and Jaishankar, marking a hopeful trajectory in India-China relations as they approach 75 years of diplomatic ties.

## Rajnath Singh in Laos for ASEAN Defence Ministers Meeting



20-Nov-24

Defence Minister Rajnath Singh arrived in Vientiane, Laos, to attend the 11th ASEAN Defence Ministers Meeting-Plus (ADMM-Plus), where he will engage in discussions on regional and international security issues, including maritime safety and disaster management. Singh is set for bilateral meetings with Malaysia, Laos, and China, notably discussing the peace-building process along the Line of Actual Control with his Chinese counterpart. The ADMM-Plus serves as a vital platform for enhancing defense cooperation among ASEAN countries and key partners, reflecting India's commitment to regional stability and security cooperation since becoming a dialogue partner in 1992. The summit underscores India's proactive role in addressing contemporary security challenges in the Indo-Pacific region.

## Putin Expected to Visit India Next Year, Strengthening Ties



20-Nov-24

Russian President Vladimir Putin is expected to visit India next year, aligning with a framework of reciprocal annual visits between the leaders of India and Russia, as indicated by diplomatic sources. The prospect of this visit was highlighted during a meeting in Moscow

between Prime Minister Narendra Modi and President Putin in July, where Modi extended an invitation to his Russian counterpart. Kremlin Spokesman Dmitry Peskov acknowledged the strong bilateral relationship during a recent interaction with senior Indian editors, affirming that the visit is being considered, although no specific dates have been finalized. This positive diplomatic engagement is further underscored by Modi's recent attendance at the BRICS summit in Kazan, emphasizing the ongoing collaboration and dialogue between the two nations. The potential visit signifies the continuing strategic partnership and mutual interest in enhancing cooperation, particularly in defense and economic sectors, which have historically characterized India-Russia relations.

## Putin Values Modi's Efforts in Ukraine, No Mediation Plans Yet



20-Nov-24

Kremlin spokesperson Dmitry Peskov acknowledged Prime Minister Narendra Modi's efforts to mediate the Ukraine conflict, noting that while Russia values his strong relationship with President Putin and his communication with Ukraine, there are currently no specific plans for India to act as a mediator. Peskov emphasized Modi's capability to assess the situation objectively due to his connections with both sides and reiterated Russia's appreciation for any efforts to resolve the crisis, particularly from India. He highlighted the uncertainty surrounding the conflict's resolution, affirming that peace would come once Russia achieves its goals. Furthermore, Peskov expressed Russia's respect for India's sovereignty amidst pressures from the United States, particularly regarding its participation in the Quad, and remarked on India's independent foreign policy. Additionally, he clarified that Russia does not influence India-China relations, but supports their normalization. In recent interactions, Modi and Putin reviewed their robust bilateral cooperation across various sectors, including defense and energy, and Modi extended an invitation for Putin to visit India next year, reinforcing the deep-rooted bond between the two nations. This ongoing dialogue underscores India's strategic role in global geopolitics and its commitment to maintaining a balanced foreign policy amid competing international pressures.



## Putin Revises Nuclear Doctrine escalating tensions;US Abstains From Reacting

🕒 SHARE

20-Nov-24

Russian President Vladimir Putin has updated the country's nuclear doctrine, lowering the threshold for a nuclear strike in response to a broader range of conventional attacks, particularly highlighting the potential retaliatory actions against Ukraine if supported by NATO powers. This change comes shortly after Ukraine reportedly struck deep within Russian territory using U.S.-made ATACMS missiles, an action confirmed by both Ukrainian and U.S. officials. The White House has noted that it was not surprised by Russia's move and does not plan to alter its own nuclear posture, emphasizing that any attack on Russia supported by a nuclear power would be treated as a joint attack. Additionally, the U.S. condemned Russia's rhetoric as irresponsible and pointed out the significant escalation represented by the involvement of North Korean troops in Ukraine. This situation underscores the escalating tensions in the region and the intricate dynamics of NATO's involvement, as Moscow warns that the West's support for Ukraine's military capabilities could lead to a broader conflict. From an Indian defense perspective, this evolving situation presents both a challenge and an opportunity; India must remain vigilant regarding its own security and strategic interests, particularly in the context of its relations with both Russia and Western powers. As a nation with a complex geopolitical landscape, India's response will be critical in maintaining regional stability while navigating the increasingly polarized environment stemming from these developments.

## China Calls for Calm After Putin's Nuclear Directive Amid Tensions

🕒 SHARE

20-Nov-24

China has called for "calm" and "restraint" following Vladimir Putin's decree that broadens the potential use of nuclear weapons amid rising tensions with Ukraine, which has been bolstered by US-supplied long-range missiles. This decree has faced backlash from Western nations, while Beijing advocates for de-escalation and a political resolution to the conflict. French President Macron is seeking China's influence to mediate with Russia, highlighting the global implications of the situation. The call for restraint from China suggests its desire to maintain stability in the region, as the prospect of nuclear conflict poses significant risks not only to Europe but also to global security dynamics.

## U.S. Greenlights Anti-Personnel Mines for Ukraine Amidst Conflict

🕒 SHARE

20-Nov-24

U.S. President Joe Biden has approved the provision of anti-personnel landmines to Ukraine, intended to slow Russian advances in eastern regions. These mines are designed to be non-persistent, becoming inert after a preset period, setting them apart from Russian landmines. On the 1,000th day of the conflict, Ukraine has also utilized U.S. ATACMS missiles for strikes into Russian territory, prompting heightened tensions as Russia perceives this as NATO's direct involvement. Additionally, the U.S. has authorized a \$100 million military equipment package for Ukraine, aimed at supporting vehicle refurbishment and logistics. This escalation reflects Western commitment to Ukraine amidst ongoing geopolitical challenges.

## Putin seeks Trump-led ceasefire in Ukraine amid rising tensions.

🕒 SHARE

20-Nov-24

Vladimir Putin is reportedly willing to negotiate a ceasefire in Ukraine with Donald Trump, proposing a deal that would freeze the conflict along existing front lines in exchange for Ukraine dropping its NATO ambitions and potentially ceding territory. The introduction of American ATACMS missiles to Ukraine could complicate these negotiations, reflecting the ongoing tension and strategic maneuvering in the region. This development underscores the precarious balance of power and the complexities of international diplomacy, highlighting how external military support can influence conflict resolution efforts. Such dynamics are critical for understanding the geopolitical landscape as nations navigate their interests and security concerns in Eastern Europe.

## Netanyahu offers \$5M for hostages, vows to crush Hamas power

🕒 SHARE

20-Nov-24

Israeli Prime Minister Benjamin Netanyahu has offered a \$5 million reward for each hostage returned from Gaza, urging captors to release them for safe passage. He has issued a stern warning to Hamas, stating that any harm to hostages will result in severe consequences as Israel intensifies its military operations to dismantle Hamas's authority in the area. This approach underscores Israel's determination to reclaim control and address security threats posed by Hamas, while simultaneously attempting to leverage economic incentives for the safe return of hostages,

showcasing a dual strategy of military might and negotiation.

and the protection of civilians in sensitive areas like Kishtwar.

## Military Operations

### Ukrainian Forces Launch ATACMS Missiles at Russian Facility SHARE

20-Nov-24

Ukrainian forces fired six U.S.-made ATACMS missiles at a military facility in Russia's Bryansk region early on November 19, with Russian air defense systems reportedly intercepting five of the missiles while the debris from one ignited a fire at the site. This incident marks a significant escalation following U.S. President Joe Biden's approval for Ukraine to use long-range weapons against targets deep within Russian territory, which Russia has condemned as direct involvement in the conflict. Ukrainian President Volodymyr Zelenskyy emphasized the need for increased production of artillery and drones, highlighting Ukraine's military objectives while noting that they have produced over 2.5 million rounds of various artillery shells this year, with ambitious plans for future production. Additionally, Ukraine has successfully targeted other Russian locations, including a command post in Belgorod, and it has been deploying drones across significant distances to hit Russian infrastructure. This intensification of military actions, coupled with the involvement of North Korean troops, raises global concerns about the escalation of hostilities and potential nuclear threats from Russia, while also drawing attention to the robust military cooperation and support Ukraine receives from Western allies.

### Northern Army Commander Reviews Security Post-Terror Attacks in J-K SHARE

20-Nov-24

Northern Army Commander Lieutenant General MV Suchindra Kumar assessed the security situation in Kishtwar, Jammu and Kashmir, following recent terror incidents that resulted in a Junior Commissioned Officer's death and injuries to three soldiers. During his visit, he emphasized the importance of professionalism in military operations and was briefed on the region's operational readiness. The Army's continued vigilance and commitment to maintaining security are crucial, especially in light of the recent attacks on Village Defence Guards. This proactive approach highlights the Indian Army's dedication to counter-terrorism efforts

### Ukraine Strikes Deep Inside Russia After U.S. Green Light for Missiles SHARE

20-Nov-24

Ukraine has successfully targeted Russian military installations deep inside Russia, including a command post in Gubkin and an ammunition depot, following U.S. permission to use ATACMS missiles. This escalation marks a significant shift in the conflict, as Ukraine demonstrates its capability to strike far beyond its borders. Russia reported intercepting several Ukrainian drones, mitigating damage but confirming some incidents of destruction to infrastructure. This development illustrates Ukraine's increasing reliance on long-range strikes and drone warfare, which could alter the dynamics of the conflict, emphasizing the importance of advanced military technology in modern warfare.

### Ghanaian Peacekeepers Injured in Rocket Attack in Lebanon SHARE

20-Nov-24

Four Ghanaian UNIFIL peacekeepers were injured in a rocket attack in southern Lebanon, attributed to non-state actors, with Hezbollah launching multiple rockets damaging UNIFIL posts. The UN intends to strengthen its peacekeeping mission to support the Lebanese army after a potential truce, while emphasizing that enforcing ceasefire is the responsibility of the involved parties. Israel has criticized UNIFIL for not effectively implementing UN resolution 1701 and insists peacekeepers must not hinder military operations against Hezbollah. Despite risks, UNIFIL troops remain steadfast at their posts, highlighting their commitment to stability in the region amidst ongoing hostilities.

### Kochi Conducts Mock Hijacking to Boost Coastal Defense Readiness SHARE

20-Nov-24

A mock hijacking exercise in Kochi, simulating a 26/11-style attack, tested India's coastal defence forces as part of the biennial Sea Vigil operation. The exercise involved the swift response of marine commandos and naval helicopters, highlighting enhanced coordination among agencies like the marine police and Customs. This drill is significant in reinforcing India's maritime security framework, which has been substantially improved since the 2008 Mumbai attacks. Future unannounced simulated threats will further challenge these forces, ensuring they remain vigilant against

potential maritime terrorism, thereby bolstering national security and preparedness.

## Pakistan to Launch Major Operation Against Balochistan Militants

🕒 SHARE

20-Nov-24

Pakistan is set to initiate a comprehensive military operation in Balochistan aimed at countering terrorism and addressing security challenges posed by militant groups like the Baloch Liberation Army (BLA) and Baloch Liberation Front (BLF). This operation is focused on neutralizing threats that have targeted civilians and undermined economic development in the region. The move reflects Pakistan's ongoing struggle with internal insurgencies, which could further destabilize the area if not effectively managed. From an Indian perspective, this operation highlights the ongoing security complexities in South Asia and reinforces the importance of robust defense strategies in countering regional threats and ensuring stability.

## Terrorism and Counterterrorism

### Ending terrorism: India's top priority in talks with Pakistan

🕒 SHARE

20-Nov-24

India's envoy to the UN, Parvathaneni Harish, emphasized that the cessation of terrorism is the foremost issue in engaging with Pakistan, citing India's long-standing victimization by cross-border terrorism. During a keynote address, he reiterated India's zero tolerance towards terrorism and the necessity for international collaboration to combat it. Harish highlighted the need for justice for terrorism victims and the urgency of addressing modern challenges such as cyber terror and weapons of mass destruction acquisition by terrorists. He advocated for universal nuclear disarmament while affirming India's credible minimum deterrence policy based on no first use.

### Notorious Naxalite Leader Shot Dead in Karnataka Operation

🕒 SHARE

20-Nov-24

The Anti-Naxal Force (ANF) shot dead Vikram Gowda, a notorious naxalite leader wanted for over 20 years, during a combing operation in Karnataka. Gowda's death is expected to significantly weaken the naxalite movement in Karnataka and Kerala, as he led operations in the region. Home Minister G Parameshwara noted that the ANF's response was

necessary due to Gowda's aggressive actions, which included firing upon police. The government remains committed to reintegrating former naxalites into society, as evidenced by ongoing initiatives for those willing to surrender, highlighting a dual approach of security and rehabilitation in combating left-wing extremism.

## Israeli Army Strikes Over 100 Hezbollah Targets in Lebanon

🕒 SHARE

20-Nov-24

The Israeli military has reported targeting over 100 "terror targets" in Lebanon, including weapons facilities and command centers, following the elimination of two Hezbollah commanders. This escalation comes in the wake of Hezbollah's attacks on Israel in support of Palestine, amid ongoing efforts by a US envoy to negotiate a truce. The situation highlights the persistent tensions in the region, with Israel demonstrating its resolve to counteract threats from Hezbollah, thereby reinforcing its defense posture. As the international community engages in mediation, the effectiveness of strategic military actions and diplomatic efforts will be crucial in shaping future developments in the volatile landscape.

## Miscellaneous

### Jaishankar Calls for Ambitious Goals to Strengthen India-Japan Ties

🕒 SHARE

20-Nov-24

External Affairs Minister S. Jaishankar emphasized the importance of developing ambitious targets in India-Japan ties during the 7th India-Japan Indo-Pacific Forum, highlighting Japan's role as a key contributor to India's economic development and the need for enhanced cooperation. He noted the alignment of India's Act East policy with Japan's Free and Open Indo-Pacific vision and advocated for greater defense exchanges, technology cooperation, and resilient supply chains. Jaishankar expressed confidence in achieving meaningful progress, particularly in education, tourism, and skilled worker movement, while acknowledging that current trade figures remain below expectations, indicating significant potential for growth in bilateral relations.

## General Upendra Dwivedi Visits Nepal to Strengthen Defense Ties SHARE

20-Nov-24

General Upendra Dwivedi, Chief of Army Staff of India, is on a significant four-day visit to Nepal from November 20 to 24, 2024, aimed at enhancing defense cooperation between the two nations. During his visit, he will receive the honorary rank of 'General of the Nepal Army' and engage in discussions with top military and political leaders, including the Chief of the Army Staff of the Nepali Army and Prime Minister K P Sharma Oli. The trip includes attending an Ex-Servicemen Rally, where he will honor gallantry awardees and interact with Indian Army veterans in Nepal. This visit underscores India's commitment to strengthening military ties and exploring new collaboration avenues, reinforcing the longstanding historical and cultural connections between India and Nepal, and highlighting India's strategic importance in the region.

## Curfew Eased in Manipur; Internet Restored Amid Ongoing Tensions SHARE

20-Nov-24

Curfew has been relaxed in three districts of Manipur, with broadband internet restored under conditions, while mobile internet remains suspended. Chief Minister N Biren Singh has accused the Congress party of inciting the current crisis, particularly regarding illegal immigration issues. Meanwhile, the BJP-led NDA MLAs have called for a mass operation against Kuki militants involved in recent civilian killings and demanded a review of the Armed Forces (Special Powers) Act (AFSPA). Civil society groups are protesting both the violence and the reimposition of AFSPA, advocating for a unified effort against all militant groups to restore peace and stability in the state.

## Modi's Visit to Guyana: Strengthening Ties with CARICOM Leaders SHARE

20-Nov-24

Prime Minister Modi is on a visit to Guyana, where he will co-chair the second India-CARICOM Summit with Grenada's Prime Minister, engaging CARICOM leaders to strengthen bilateral relations. His agenda includes delegation-level talks with President Mohamed Irfaan Ali and addressing the National Assembly, focusing on cooperation in agriculture and technology, supported by initiatives like the Indian Technical and Economic Cooperation (ITEC). This visit underscores India's commitment to enhancing ties with Caribbean nations, reflecting a strategic move to expand influence in the

region while fostering economic partnerships. The emphasis on technology and agricultural collaboration aligns with India's broader objectives of regional development and diplomatic outreach.

## India Achieves Milestone in Advanced Combustion Diagnostics for Kaveri Engine SHARE

20-Nov-24

India's aerospace research community has achieved a significant milestone with the first in-depth diagnostics of a single cup sector of a modern annular combustor linked to the Kaveri Engine Program. This advanced research, led by prominent experts, aims to enhance combustion dynamics, stability, and low-emission capabilities for aviation engines. The experimental rig simulates real operational conditions, allowing for precise monitoring of combustion processes through high-speed visualization technology. Insights gained from this initiative are expected to improve the Kaveri engine's efficiency and emissions, marking a critical step toward developing advanced, indigenous propulsion technologies that align with India's goals for cleaner aviation and enhanced defense capabilities.

## Indian Group Captain Shubhanshu Shukla Starts Astronaut Training for Axiom Mission 4 SHARE

20-Nov-24

Group Captain Shubhanshu Shukla of India has begun astronaut training at the European Astronaut Center for Axiom Mission 4, marking a significant milestone in India's involvement in international human space exploration. This mission, utilizing SpaceX's Crew Dragon, aims to foster research and commercial activities aboard the ISS, enhancing India's reputation in the global aerospace sector. The rigorous training covers essential skills like spacecraft operation and emergency procedures, showcasing India's growing expertise in advanced aerospace disciplines. Shukla's participation underscores the country's strategic commitment to expanding its role in space exploration and contributing to the emerging low Earth orbit economy.

## IIT Bhilai Unveils Smart Injectable Ink for Advanced 3D Printing SHARE

20-Nov-24

Researchers at IIT Bhilai have developed an innovative smart injectable ink material for 3D printing, enabling the production of complex, customized structures with enhanced precision and efficiency. Composed of



specialized polymers, this ink features unique properties like viscosity control and rapid hardening, making it suitable for applications in healthcare, aerospace, and construction. The project, supported by the Government of India's DSIR and SERB, demonstrates the country's commitment to advancing technology. This breakthrough not only enhances the accessibility of 3D printing for various industries but also promises cost-effective production and faster prototyping, positioning India as a leader in cutting-edge manufacturing technologies.

## Palestine Appreciates India's \$2.5M Aid to UNRWA Amid Challenges



20-Nov-24

Palestine expressed gratitude to India for its \$2.5 million financial aid to the UN Relief and Works Agency (UNRWA), fulfilling its annual commitment of \$5 million for 2024-2025. This contribution underscores India's unwavering support for Palestinian welfare amid regional challenges and reflects its long-standing humanitarian commitment. India has provided a total of \$40 million to UNRWA over the years, emphasizing its dedication to a negotiated two-state solution and solidarity with the Palestinian people, while also condemning the October 7 terror attacks on Israel. This dual approach highlights India's balanced stance in promoting regional peace and stability.

## Steady Russian Gas Flow to EU Highlights Energy Dependence



20-Nov-24

Despite sanctions on Russia, gas exports to Europe via Ukraine remain stable, with Gazprom maintaining

consistent flow rates. While Austria's OMV faced halted supplies due to a contractual dispute, Slovakia continues to receive Russian gas, indicating ongoing European reliance. The situation reveals a paradox where Western efforts to isolate Russia economically are undermined by the necessity of energy imports, suggesting that geopolitical maneuvers may falter when national interests are at stake. This scenario underscores the complexities of energy security in Europe, where dependence on Russian gas persists despite political tensions, reflecting a broader challenge in achieving true energy diversification.

## Trump Celebrates SpaceX's Starship Launch and Future Missions



20-Nov-24

The recent launch of SpaceX's Starship, attended by Donald Trump, highlighted advancements in reusable rocket technology despite the Super Heavy booster failing to land as intended. The event underscores the growing partnership between Trump and Elon Musk, who is now co-leading a government efficiency project aimed at reducing federal waste. The successful reignition of the engine in space and the splashdown in the Indian Ocean mark significant milestones for future crewed missions. Trump's administration may prioritize space exploration, as indicated by the expedited FAA approval process, which could further bolster SpaceX's ambitions and reflect a strategic focus on space as a domain for national power and leadership.

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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	401.3	17454	3.02	37.36	416.31	490.51
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	2430.4	1586	1.07	41.31	2502.44	2368.51
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