



# Defence Pro News & Analysis

October 14, 2024 | Day 288

## Top Gainers

Stock	Close	Prev	Change
TANEJAERO	491.55	479.75	+2.46%
LT	3555.05	3482.55	+2.08%
MARINE	237.92	233.61	+1.84%
SIKA	2648.75	2602.95	+1.76%
AZAD	1526.05	1500.8	+1.68%

## Top Losers

Stock	Close	Prev	Change
CFE	600.05	623.35	-3.74%
GRSE	1698.05	1748.15	-2.87%
BDL	1189.2	1221.95	-2.68%
MAZDOCK	4277.6	4384.95	-2.45%
PTC	192.86	197.38	-2.29%

## Defense Business and Industry

### CCS Approves New Missile Testing Range on India's East Coast



14-Oct-24

The Indian Cabinet Committee on Security has approved the establishment of a new missile testing range in Andhra Pradesh to facilitate the testing of various tactical missile systems. This initiative aligns with India's ongoing efforts to enhance its defense capabilities, including the acquisition of advanced technology like Predator drones and nuclear submarines. Additionally, the Defence Research and Development Organisation is advancing numerous weapon systems critical for strengthening India's military readiness. The approval for the missile testing range underlines India's commitment to bolstering its defense infrastructure amid regional security challenges. By enhancing local testing capabilities, India aims to expedite the development and deployment of indigenous missile systems, reducing reliance on foreign technology. This strategic move, coupled with the procurement of advanced weaponry, reflects India's broader goal of achieving self-reliance in defense and responding effectively to evolving threats in the region.

### SKYBER Teams Up with Sibia to Launch Indian-Made UAVs in the Middle East and Africa



14-Oct-24

SKYBER Aerospace has teamed up with Sibia Technologies to market and maintain customized Indian-made UAV systems across the Middle East and Africa. This partnership targets the increasing regional demand for UAV solutions in defense and commercial applications, leveraging local alliances and 5G capabilities. The collaboration reflects India's strategic push to expand its defense technology footprint internationally and can enhance operational capabilities for regional partners, particularly as demand for surveillance and reconnaissance grows amidst geopolitical tensions. It also positions Indian

defense manufacturers as competitive players in the global UAV market, potentially leading to increased defense collaborations.

### Former IAF Chief Confirms India's AMCA Will Feature Advanced 6th-Gen Tech, Including AI Co-Pilots and Manned-Unmanned Teaming



14-Oct-24

India's Advanced Medium Combat Aircraft (AMCA) is being developed to include key 6th-generation fighter technologies, emphasizing the role of Artificial Intelligence, Synthetic Vision Systems, and Manned-Unmanned Teaming. Former IAF Chief R.K.S. Bhadauria highlighted the importance of integrating these advanced capabilities into the AMCA to ensure future combat effectiveness. This strategic initiative aims to position India at the forefront of fighter jet technology and maintain air power dominance. The AMCA's integration of 6th-generation technologies positions India to not only enhance its current military capabilities but also ensure long-term competitiveness in aerospace innovation. By incorporating advanced systems like AI and network-centric warfare, India is taking vital steps to modernize its air combat strategy, reflecting a commitment to staying ahead of global trends. This proactive approach may yield significant advantages in future conflicts and underscores India's aspirations to emerge as a leading aerospace power.

### US Set to Deploy THAAD Missile Defense in Israel



14-Oct-24

The Pentagon has authorized the deployment of a THAAD battery to Israel to enhance its air defense against threats from Iran, following recent escalations in violence. This move reaffirms the U.S. commitment to Israel's security amid rising tensions in the region, including attacks on Israeli troops. Concurrently, Israel's Prime Minister criticized the presence of UN peacekeepers in southern Lebanon, citing risks posed by Hezbollah. The deployment of the THAAD system signals a strategic augmentation of Israel's defense capabilities, amid increasing Iranian aggression. This reflects not only U.S. support for Israel but also broader geopolitical tensions involving Iran's

regional influence and the operational effectiveness of Hezbollah. The situation underscores the complexities of military engagement in a volatile region, particularly regarding the safety of international peacekeeping forces amidst active conflict.

## Turkey Cleared to Acquire Eurofighter Jets SHARE

14-Oct-24

The German Federal Security Council has decided to allow technical consultations regarding the sale of Eurofighter jets to Turkey, reversing its previous blockade. While Berlin's decision reflects shifting geopolitical dynamics, it remains cautious about potential Turkish military actions in the region. Turkey aims to procure up to 40 Eurofighter jets, valued at \$5.6 billion, amidst complex negotiations influenced by asylum issues and recent conflicts. This development hints at a recalibration of Germany's defense export policies, potentially motivated by broader European security concerns following Russia's aggression and Middle Eastern instability. The Eurofighter deal may enhance Turkey's military capabilities, raising alarms among Kurdish groups and possibly affecting regional power balances, especially if the jets are employed against non-state actors in Syria and Iraq.

## BEL Secures New Orders Exceeding ₹500 Crore SHARE

14-Oct-24

Bharat Electronics (BEL) has seen a steady decline in share prices since joining the Nifty50 index, despite securing over 500 crore in new orders recently. The company's order book for the financial year has reached 7,689 crore, bolstered by various defense contracts, while international brokerages remain optimistic about its future potential. Analysts are keenly observing BEL's upcoming performance metrics and order inflow trends, which will be crucial for stock recovery. The continuous drop in BEL's share price, juxtaposed with its robust order book growth, reflects the market's cautious sentiment amid broader economic uncertainties. With significant contracts in hand, BEL's fundamentals appear strong, yet investor confidence appears shaken possibly due to macroeconomic factors or market sentiment around defense spending. The emphasis on supply chain stability and the anticipation of future orders will be critical for BEL to regain investor trust and stabilize its stock performance.

## Indigenous Dhanush Guns Miss March 2026 Delivery Deadline SHARE

14-Oct-24

The Dhanush artillery gun, India's first indigenously manufactured piece, faces challenges in timely delivery, with only two regiments operational since its induction in 2019. Despite its advanced capabilities and lower costs compared to Bofors, the Army's ambitious plans for a robust artillery fleet by 2026 may be hindered. The standardization to 155mm/52 calibre signifies a long-term commitment to modernizing India's artillery capabilities. The Dhanush system embodies India's push for self-reliance in defense manufacturing, crucial for strategic autonomy. However, slow delivery rates raise concerns about meeting operational requirements amidst ongoing border

tensions, particularly in regions like Ladakh. With an expansive artillery modernization plan, the Indian Army aims to enhance its combat readiness, which reflects a proactive approach to meet future challenges, but effective execution remains essential.

## Composites Research Center Sets Stage for Next-Gen Armored Platforms SHARE

14-Oct-24

The Composites Research Center (CRC) is advancing the VIKRAM VT-21 project, focusing on a composite hull to improve armored vehicle protection. The integration of the Nag Mk II anti-tank guided missile will enhance the platform's combat capabilities. Larsen & Toubro's appointment as the Development-cum-Production Partner underscores the strategic collaboration for this initiative. This project showcases India's commitment to modernizing its armored capabilities through innovative materials and technologies. By leveraging composite materials, the VIKRAM VT-21 aims to significantly enhance survivability while reducing weight, thus improving mobility. The collaboration with L&T ensures technical expertise, which is crucial for the timely development and deployment of advanced defense systems, bolstering India's defense posture amidst evolving security challenges.

## Russia Proposes BMP-3 for India's Next-Gen Infantry Combat Vehicle SHARE

14-Oct-24

Russia is proposing its BMP-3 infantry fighting vehicle for India's Futuristic Infantry Combat Vehicle (FICV) program, intended to replace the obsolete BMP-II fleet. This modernization effort is crucial for enhancing the Indian Army's capabilities amid rising border tensions. The BMP-3 boasts advanced features, including firepower and mobility, but faces competition from domestic and international alternatives amid India's push for indigenization. The BMP-3's offer aligns with India's strategic focus on modernizing its military capabilities, particularly in light of its ongoing border disputes. While the BMP-3 presents a formidable option with its proven performance, the Indian Army may prioritize indigenous development to bolster self-reliance and technology transfer, ensuring the solution is finely tuned to India's unique operational needs. Balancing foreign procurement with domestic production will be pivotal in shaping India's defense landscape.

## ADE Integrates MPAR and SAR Radars with TAPAS UAV for Naval Operations SHARE

14-Oct-24

The Aeronautical Development Establishment (ADE) is developing advanced radar systems for the TAPAS UAV to enhance the Indian Navy's maritime surveillance capabilities, particularly in the Andaman and Nicobar Islands. This initiative aims to address growing concerns over Chinese maritime activities in the Indian Ocean Region. With the integration of Multi-Parameter Phased Array Radar and Synthetic Aperture Radar, TAPAS will significantly bolster India's intelligence, surveillance, and reconnaissance efforts. The integration of these advanced radar technologies onto the TAPAS UAV underscores India's strategic response to increasing Chinese naval presence in the Indian Ocean Region. The focus on persistent monitoring from the Andaman and Nicobar Islands reflects India's need to

secure vital maritime routes and safeguard its territorial waters. Enhanced situational awareness through these UAVs will not only facilitate timely response to incursions but also strengthen India's broader anti-submarine warfare capabilities, ensuring a robust maritime defense posture in a region of critical geopolitical importance.

## Indian Army Turns to Robot Dogs for Combatting Drones



14-Oct-24

The Indian Army is integrating weaponized robot dogs into its operations to enhance counter-drone capabilities, drawing insights from recent conflicts. The induction of these robotic systems, equipped with advanced weaponry and sensory technologies, showcases a strategic shift toward automation in warfare. Their versatility makes them suitable not only for drone engagement but also for broader military missions, indicating a transformative approach to future combat scenarios. The focus on robot dogs reflects the Indian Army's need to modernize and adapt to evolving threats on the battlefield. Drawing from lessons learned in Ukraine and the Middle East, the integration of these advanced systems addresses vulnerabilities in current defense strategies. As drone warfare becomes increasingly prevalent, the ability of robot dogs to operate in difficult terrains while providing tactical advantages positions them as pivotal assets in ensuring operational effectiveness and soldier safety.

## DRDO Unveils APS to Tackle Drone Threats for FRCV Initiative



14-Oct-24

The Defence Research and Development Organisation (DRDO) is enhancing India's tank defenses by developing an Active Protection System (APS) tailored to combat threats from swarm and FPV drones. As traditional APS focuses on high-velocity threats like missiles, adapting these systems for the agile and fast-moving drone landscape reflects a strategic shift in defense priorities. This initiative underscores India's dedication to advancing military technology and addressing emerging threats, ensuring that armored vehicles can effectively counter not only conventional weapons but also the evolving drone warfare tactics seen in recent conflicts.

## India's Loyal Wingman Program to Acquire Next-Gen Mini AAMs



14-Oct-24

India's Loyal Wingman program is advancing the development of unmanned combat aerial vehicles (UCAVs) equipped with the Next-Generation Close Combat Missile (NGCCM) to enhance the Indian Air Force's capabilities. However, to effectively counter emerging aerial threats like MALE and HALE UAVs, there is a pressing need for cost-effective missile solutions. The DRDO is exploring both interim conversions of existing MANPAD technology and the development of mini air-to-air missiles to address this challenge. The Indian Air Force's evolving threat landscape necessitates innovative and economical solutions to enhance air defense capabilities without straining budgets. The dual approach of leveraging existing systems while developing new technologies reflects a pragmatic strategy to counter UAV threats at lower costs. By prioritizing rapid production and

affordability, the Loyal Wingman program aims to provide a scalable and efficient response to modern aerial warfare requirements, ensuring that India maintains strategic autonomy in its defense capabilities.

## 60 French Defence Firms Set Up Operations in India, 15 Since 2018, to Support 'Make in India' Initiative: French Envoy



14-Oct-24

France is enhancing its commitment to India's 'Make in India' initiative through increased investments and job creation, as emphasized by French Ambassador Thierry Mathou. The partnership, rooted in defense cooperation since India's independence, has seen substantial engagement from 60 French defense companies, with significant contributions to India's aerospace sector. Looking ahead, collaborative initiatives are set to deepen ties further, particularly with the upcoming India-France Year of Innovation in 2026. The strengthening of Indo-French relations, particularly in aerospace, underscores a strategic alignment beneficial for both nations. France's emphasis on local production not only enhances India's defense capabilities but also integrates Indian firms into global supply chains. The focus on indigenous manufacturing and joint initiatives in training and sustainability reflects a commitment to deepening economic ties, which could serve as a model for broader cooperation in other sectors.

## India Sets Sights on Becoming Global Drone Hub by 2030, Focusing on Indigenization and R&D



14-Oct-24

India aims to become a global drone hub by 2030, with a focus on indigenization and boosting domestic production as emphasized at the "Bharat Drone Varta" seminar. Key leaders highlighted the strategic importance of drones for both civil and security applications, advocating for enhanced support and collaboration among industry, academia, and government. The emphasis on the Production Linked Incentive scheme and a proposed Rs 1000 crore fund reflects a collective push to foster innovation and reduce dependence on foreign technology. This initiative underscores India's ambition to achieve self-sufficiency and global competitiveness in the drone sector, crucial for both economic growth and national security. By fostering local innovation and collaboration, the country aims to build robust supply chains and enhance its technological capabilities, which will ultimately support its strategic defense objectives and position in the global market.

## HAL Faces Challenges in Securing Private Sector Partner for ALH-Dhruv Civil Variant



14-Oct-24

Hindustan Aeronautics Limited (HAL) is struggling to attract private sector interest in the civil variant of its Advanced Light Helicopter (ALH) Dhruv, chiefly due to inadequate certifications and market viability concerns. Despite a recent government-

influenced contract with Pawan Hans Limited, HAL's inability to secure substantial commercial orders highlights ongoing challenges. The preference for foreign helicopters among civilian operators further exacerbates HAL's difficulties in establishing a foothold in the civil aviation market. The challenges faced by HAL in promoting the ALH-Dhruv civil version underscore the complexities of transitioning military technology to civilian applications in India. The lack of critical safety certifications, particularly for the Shakti engine, hampers commercial viability and investor confidence. Coupled with a strong preference for established foreign competitors, HAL's efforts reveal significant systemic hurdles in India's defense sector's adaptation to civilian needs, hindering local innovation and market expansion.

## India's Defence Exports Surge: First Orders for Pilot Parachutes from 7 Nations for Sukhoi, Hawk, and Mig-29

14-Oct-24

India's Ordnance Parachute Factory and Ordnance Equipment Factory have secured substantial export orders, marking a pivotal advancement for the country's defense manufacturing sector. The OPF has notably exported advanced parachutes to multiple nations, while the OEF has delivered snow boots to Nepal, showcasing India's manufacturing diversity. These developments signify India's growing competitiveness in the global defense market, reflecting its evolving technical capabilities. The successful exports from OPF and OEF highlight India's strategic shift towards self-reliance in defense manufacturing, particularly following the corporatization of the Ordnance Factory Board. This move not only enhances the operational capabilities of Indian armed forces but also positions India as a strong contender in international defense markets, fostering greater geopolitical ties and economic growth through defense collaboration.

## DRDO Unveils Area Denial Sub-munitions for Pinaka and Smerch; Indian Army Trials Set for 2025

14-Oct-24

The Indian Army is enhancing its artillery capabilities with the introduction of Area Denial Artillery Munitions (ADM), developed by DRDO, with trials scheduled to start in 2025. These advanced munitions aim to neutralize enemy forces over a wide area, acting as a strategic force multiplier in high-intensity conflicts. This initiative reflects India's commitment to modernizing its military and strengthening indigenous defense production. The introduction of ADMs signifies a pivotal shift in India's military strategy, focusing on deterrence and area denial capabilities. By employing multi-barrel rocket systems for deployment, India aims to enhance its operational flexibility and effectiveness in combat scenarios. This development not only bolsters the Army's firepower but also reinforces India's strategic autonomy in defense technology, addressing evolving regional security dynamics.

## Samarthak: Inauguration of L&T's First Multi-Purpose Vessel on October 14, 2024, in Chennai

14-Oct-24

The first Multi Purpose Vessel for the Indian Navy, named Samarthak, was launched on 14 October 2024 by L&T Shipyard. This vessel, part of a two-ship project, will enhance India's maritime capabilities through its versatile operational roles. The initiative reflects India's commitment to indigenous shipbuilding under the Aatmanirbhar Bharat and Make in India programs. The launch of the Samarthak underscores the Indian Navy's focus on self-reliance and modernization. By collaborating with private shipyards, India is not only advancing its naval capabilities but also bolstering the domestic defense industry. This strategic move enhances operational readiness and demonstrates a commitment to developing indigenous technologies and platforms.

## Defense Policy and Budgeting

## India's FGFA Exit Leaves IAF at a Disadvantage

14-Oct-24

India's withdrawal from the FGFA program with Russia, aimed at co-developing 144 advanced stealth fighters for the IAF, has severely impacted its air force capabilities amidst growing regional threats. The decision, motivated by concerns over costs and technology transfer, has left the IAF critically low on fighter squadrons and lacking a 5th-generation aircraft, with delays in alternative programs compounding the issue. As China's J-20 stealth fighter operationally enhances its military edge, India's lack of immediate replacement options for aging fleets raises significant concerns for its strategic air defense. India's exit from the FGFA program reflects a strategic miscalculation, as the absence of a concrete alternative has led to a dangerous gap in air capability. With the IAF currently operating at only 30-31 squadrons, well below the required strength, the situation is exacerbated by the slow progress of both the MRFA and AMCA programs. This leaves India vulnerable against adversaries like China, which has advanced its air capabilities, highlighting the urgent need for a reassessment of India's fighter procurement strategy and accelerated development of indigenous programs to restore balance in regional power dynamics.

## Geopolitics and Security Alliances

## US-India Strategic Partnership Forum Kicks Off: EAM Jaishankar Explores Strengthening Ties

14-Oct-24

The US-India Strategic Partnership Forum convened in New Delhi, where External Affairs Minister S. Jaishankar discussed enhancing strategic and economic ties between the two nations.



Jaishankar's dialogue emphasized the synergies and opportunities for American investors within India, particularly in key sectors such as technology and defense. The summit, following PM Modi's recent diplomatic engagements, aims to reinforce bilateral cooperation, especially in the Indo-Pacific region. This forum represents a significant effort to deepen economic and strategic cooperation between the US and India, as both nations face common regional challenges. The focus on enhancing supply chains, semiconductor investment, and defense ties demonstrates a shared commitment to counterbalance China's influence. Moreover, initiatives like the PM's Internship Scheme illustrate India's efforts to prepare its workforce for future challenges, thereby fostering a more robust partnership that aligns with both countries' democratic values and mutual interests.

## India Rejects Trudeau's "Outrageous" and "Politically Driven" Claims Against Diplomats



14-Oct-24

India has strongly condemned the Canadian government's allegations regarding its diplomats, labeling them as unfounded and politically motivated. The Ministry of External Affairs criticized Prime Minister Trudeau's administration for allegedly fostering an environment that supports extremist actions against Indian officials in Canada. India emphasized the potential consequences for bilateral relations if these actions persist, asserting that they are part of a broader political strategy against it. The exchange underscores the escalating diplomatic tensions between India and Canada, revealing deeper issues surrounding foreign interference and domestic political agendas. India's insistence on reciprocity in diplomatic relations suggests a readiness to counter perceived injustices, pointing to a fraught trajectory for future interactions. Additionally, the focus on Trudeau's political motivations highlights how domestic electoral considerations can exacerbate international relations, particularly in the context of a significant diaspora community.

## Indian Navy's Strategic Gulf Mission: Engaging Bahrain and UAE



14-Oct-24

The Indian Navy is enhancing naval cooperation with Bahrain and the UAE through various joint training activities and professional interactions during its port visits. The engagements focus on improving interoperability and reinforcing maritime security in the region, particularly in the context of rising maritime incidents. Additionally, the Indian Navy's longstanding partnerships with Oman and Iran further underscore its strategic commitment to maintaining stability in crucial maritime corridors. This proactive approach by the Indian Navy not only solidifies its regional presence but also reflects India's broader strategic interests in the West Asian maritime domain. The inclusion of diverse training activities and community engagement highlights India's commitment to fostering strong defense ties and cooperative security frameworks with key partners. Furthermore, the emphasis on joint exercises and operational coordination within the Combined Maritime Forces denotes a robust strategy to address emerging maritime security challenges and enhance regional stability amidst a volatile geopolitical landscape.

## Chinese Navy Ships Make Historic Visit to Bangladesh as First Foreign Fleet Post-Government Takeover



14-Oct-24

A Chinese naval fleet's visit to Bangladesh marks the first foreign military engagement since the interim government took office in August 2024, underscoring China's commitment to strengthening bilateral ties. The visit emphasizes the strategic partnership between the two nations, with discussions on maritime and security cooperation taking center stage. Enhanced collaboration poses implications for regional security dynamics, particularly concerning India's interests in South Asia. This visit symbolizes China's intent to solidify its influence in the Bay of Bengal amid changing political landscapes in Bangladesh. The focus on maritime cooperation signals a potential shift in power dynamics in the region, as China leverages its investments in infrastructure to further embed itself in Bangladesh, which could challenge India's traditional sphere of influence. The Chinese commitment to enhancing naval cooperation could also provoke strategic recalibrations in New Delhi's defense posture towards its eastern neighbor.

## General Upendra Dwivedi, Army Chief, Visits Japan



14-Oct-24

General Upendra Dwivedi, Chief of the Army Staff (COAS) of India, is visiting Japan from October 14 to 17, 2024, to enhance defense cooperation between the two nations. His itinerary includes discussions with senior Japanese military leaders and a visit to key military institutions. The visit underscores India's strategic partnership with Japan, reflecting growing regional security concerns and the importance of bilateral military collaboration. This visit not only reaffirms India's commitment to strengthening ties with Japan but also highlights the evolving security landscape in the Indo-Pacific region. With rising tensions in the area, enhanced military collaboration is vital for both nations to address common challenges, particularly concerning maritime security and regional stability. The participation of high-level military leaders signifies a mutual recognition of the need for a robust defense framework, further deepening their strategic alliance.

## India Set to Launch New VLF Station for Submarine Communication on Oct 15 Amid Rising Chinese Influence in IOR



14-Oct-24

India is set to inaugurate a new Very Low Frequency (VLF) transmitting station in Vikarabad, Telangana, aimed at improving underwater combat communication for its expanding submarine fleet. This strategic facility will enable secure communication with submarines, crucial for maintaining India's nuclear deterrence amidst rising Chinese naval activities in the Indian Ocean Region. With plans for new submarines and enhanced capabilities, India is asserting its naval strength. This development reflects India's strategic foresight in addressing maritime security challenges posed by China's growing influence in the Indian Ocean. The VLF station will significantly bolster command and control of the submarine fleet, which is vital for

national security, especially as India enhances its nuclear and conventional submarine capabilities. This initiative aligns with India's broader agenda to establish a robust maritime presence and ensure sustained operational readiness against potential adversaries.

## Israel's Use of Palestinians as Human Shields in Gaza



14-Oct-24

Israeli soldiers are accused of coercing Palestinian detainees into dangerous missions during the Israel-Hamas conflict, including scouting for explosives. These actions reportedly involve using these individuals as human shields, raising serious legal and ethical questions. Testimonies from soldiers and detainees highlight the extent of this alleged misconduct. This situation underscores the complexities of asymmetric warfare, where both sides face scrutiny over their tactics. The alleged use of human shields not only raises humanitarian concerns but also complicates international legal frameworks governing conflict. Such practices may provoke further violence and undermine peace efforts, while damaging Israel's global standing and increasing Palestinian grievances.

## US Defense Secretary Emphasizes Safety of UN Peacekeepers in Lebanon During Talk with Israeli Counterpart



14-Oct-24

U.S. Secretary of Defense Lloyd Austin urged Israel to prioritize the safety of U.N. peacekeepers in Lebanon and transition from military actions to diplomatic efforts. He highlighted the urgent need to address the humanitarian crisis in Gaza and ensure civilian safety. This dialogue reflects a shift in U.S. strategy, aiming to stabilize the region by promoting diplomacy over military solutions, particularly in light of rising tensions in the Middle East. As global attention focuses on humanitarian issues, the U.S. is attempting to balance its support for Israel with the need for regional stability and civilian protection.

## Russia Claims Capture of Southern Ukraine Village Ahead of Winter



14-Oct-24

Russia has announced the capture of Levadne village in southern Ukraine, highlighting its ongoing efforts to exploit vulnerabilities along the front lines. In a notable shift, Ukraine has not reported any Shahed drone attacks in the last six weeks, indicating potential changes in operational strategies. Meanwhile, Ukrainian forces continue to face challenges in maintaining their positions and are urgently seeking increased military assistance from Western allies. The capture of Levadne suggests Russia's strategic focus on consolidating its gains while Ukraine's lack of drone-related incidents may reflect a temporary lull in Russian offensive capabilities or defensive adjustments by Ukraine. The ongoing struggles of Ukrainian forces underscore the urgency for Western nations to enhance their support, as sustainability of their defense relies heavily on external military aid.

## India Accelerates Nuclear Submarine Program with New VLF Facility to Counter China



14-Oct-24

India is bolstering its naval defense to address escalating threats, particularly from China, in the Indian Ocean Region. The recent commissioning of the INS Arighaat and the establishment of a Very Low Frequency facility underscore India's commitment to enhancing its sub-surface capabilities. This strategic focus not only strengthens operational readiness but also improves long-range communication for submarine missions, vital for maintaining regional stability. The developments in India's naval capabilities reflect a significant shift in its defense posture, emphasizing deterrence and multi-domain warfare readiness. By investing in nuclear submarines and advanced communication technologies, India aims to project power and secure its maritime interests amid rising geopolitical tensions in the IOR. This strategy also serves to reassure regional partners and assert India's role as a key player in maintaining maritime security.

## Is a Naval Base in the Chagos Archipelago the Right Move for India?



14-Oct-24

The recent transfer of sovereignty of the Chagos Archipelago from the UK to Mauritius has sparked discussions on the potential establishment of an Indian Navy base there, enhancing India's strategic presence in the Indian Ocean. This move would allow India to monitor maritime activities and counter Chinese naval expansion while fostering closer military cooperation with the U.S. Given the region's significance for global trade and security, a base in Chagos could solidify India's role as a net security provider in the Indo-Pacific. India's strategic interests in the Indian Ocean have grown, particularly in light of increasing Chinese naval activities. Establishing a presence in the Chagos Islands would not only enhance maritime surveillance capabilities but also enable India to support regional stability and security operations effectively. Furthermore, close cooperation with Mauritius and the U.S. would be crucial to ensure that this military presence is perceived positively and contributes to collective security efforts in the region.

## EU Imposes Sanctions on Iran for Ballistic Missile Support to Russia



14-Oct-24

The EU has enacted sanctions against Iranian officials and entities like Iran Air, linked to the transfer of missile and drone technology to Russia for its military operations in Ukraine. Targeted individuals include high-ranking defense officials and members of the Revolutionary Guards, with measures including asset freezes and travel restrictions. These sanctions highlight the EU's commitment to countering military support for Russia, while also addressing Iran's role in the ongoing conflict. This strategic move underscores the interconnected nature of global security dynamics, particularly how Iran's military capabilities can bolster Russian aggression in Ukraine. The sanctions not only aim to hinder Iran's defense partnerships but also signal to other nations that complicity in such transfers carries serious

repercussions. As geopolitical tensions rise, the EU's actions may further isolate Iran and influence its foreign relations.

## China's 'New Great Wall' Looms Over Nepal

🕒 SHARE

14-Oct-24

Residents of Nepal's Humla District report encroachment by Chinese forces and pressure on Tibetan ethnic communities, amid growing Chinese fortifications along the border. The Nepalese government has dismissed a fact-finding report on these issues, emphasizing its economic ties with China. This situation raises alarms about China's strategic ambitions in South Asia and the implications for Nepal's sovereignty and local communities. The disregard for local grievances in favor of economic partnerships with China highlights Nepal's precarious balancing act between national interests and external influence. China's encroachments could destabilize the region, increasing tensions not only between Nepal and China but also impacting India's security considerations along its northern borders.

## Iran Dismisses Need for Indirect Talks with US

🕒 SHARE

14-Oct-24

Iran's Foreign Minister Abbas Araghchi has halted indirect negotiations with the US in Oman, citing the current Middle East turmoil. The talks aimed to mitigate regional tensions but have now been suspended as Iran seeks to address conflicts in Lebanon and Gaza through a diplomatic tour. Araghchi's visits to key regional players signal Iran's intent to reshape its foreign policy amidst escalating crises. The suspension of talks with the US underscores the fragility of diplomatic efforts in the region, particularly given the interconnected nature of conflicts in Lebanon and Gaza. Iran's engagement with neighboring countries reflects its strategy to consolidate influence while responding to perceived threats from the US and its allies. This situation could further complicate regional dynamics, emphasizing the need for pragmatic solutions to avert wider escalations.

## Military Operations

## Hezbollah Drone Strike Claims Lives of 4 Israeli Soldiers

🕒 SHARE

14-Oct-24

Israel's military faced a deadly drone attack from Hezbollah, resulting in four Israeli soldier fatalities and over 60 injuries. This escalation follows intensified Israeli strikes in Lebanon and Gaza, leading to a significant civilian death toll. Meanwhile, tensions between Israeli forces and UN peacekeepers have risen, prompting international condemnation. The recent escalation in hostilities highlights the precarious security situation in the region. Hezbollah's drone engagement demonstrates its growing capabilities against Israel, while Israeli airstrikes have reportedly resulted in substantial civilian casualties in Gaza and Lebanon. The involvement of UN peacekeepers complicates the conflict

further, as violations of their positions could lead to broader international repercussions and calls for accountability.

## IAF Launches Challenging Mission to Rescue Flood-Stranded Helicopter in Bihar

🕒 SHARE

14-Oct-24

An Indian Air Force (IAF) team has begun the retrieval of a helicopter that landed in floodwaters on October 2 in Muzaffarpur, Bihar, after a technical issue. The operation, initiated as floodwaters recede, involves local police coordination and community input to navigate challenges in the area. Meanwhile, the IAF has also been engaged in delivering essential supplies to flood-affected regions. This incident highlights the IAF's dual role in crisis management and humanitarian assistance during natural disasters. The successful coordination between military and local authorities underscores the importance of inter-agency cooperation in emergency responses, especially in regions prone to severe flooding. The pilot's emergency landing and subsequent rescue of crew members reflect the resilience and commitment of the IAF personnel amid challenging conditions, reinforcing public confidence in the military's operational capabilities.

## Indian Navy Training Squadrons Arrive in Bahrain and UAE

🕒 SHARE

14-Oct-24

The Indian Navy's INS Tir and ICGS Veera have arrived in Bahrain to enhance naval cooperation with the Royal Bahrain Naval Forces. The deployment includes various training activities, social interactions, and a coordination meeting to plan a Maritime Partnership Exercise. Another Indian naval ship, INS Shardul, has also docked in Dubai for similar engagements with the UAE Navy. This deployment underscores India's commitment to strengthening maritime security in the Persian Gulf while fostering closer ties with Bahrain and the UAE. By engaging in joint exercises and professional interactions, India aims to bolster interoperability and collaborative defense capabilities in a geopolitically vital region, reflecting its strategic maritime ambitions.

## Former Officer Claims 'Serious Flaws' in IAF Missile Protocols Caused Accidental BrahMos Launch in Pakistan

🕒 SHARE

14-Oct-24

Wing Commander Abhinav Sharma, dismissed from the Indian Air Force after the accidental firing of a BrahMos missile into Pakistan, claims procedural ambiguities contributed to the incident. He asserts he was sidelined in the decision-making process and criticizes the IAF for inadequate accountability and clarity in their handling procedures. The ongoing legal battle could reshape the IAF's operational protocols and oversight. Sharma's allegations underscore systemic issues within the IAF's command structure and decision-making processes, highlighting potential lapses in accountability and training. His claims about the unclear assignment of roles and the mid-investigation change of the presiding officer raise significant concerns about transparency and procedural integrity.

As the case unfolds in the Delhi High Court, it could lead to critical reforms in how the IAF manages missile operations, ensuring both operational efficiency and diplomatic sensitivity in the future.

## South Korea's Military Declares Full Readiness Amid Rising Drone Tensions

 **SHARE**

14-Oct-24

South Korea is ready to respond to North Korea's threats following accusations of drone flights over Pyongyang. North Korea claims these incursions warrant severe repercussions, while South Korea refutes any involvement. This escalating exchange heightens tensions in an already volatile region. The situation underscores the precarious security dynamics on the Korean Peninsula, where miscommunications can quickly spiral into conflict. North Korea's aggressive posture, fueled by domestic propaganda and perceived threats, seeks to assert its sovereignty, while South Korea aims to maintain stability and international norms. This incident may also impact diplomatic efforts involving other stakeholders, including the U.S. and China, highlighting the need for vigilance and strategic dialogue.

## Indian Army Secures Civil Helicopters for Winter Outpost Support

 **SHARE**

14-Oct-24

The Indian Army has contracted civil aviation services to support remote posts in Jammu, Kashmir, and Ladakh, providing year-round assistance for some and 150 days for others next year. This strategy aims to lower operational costs while reserving military helicopters for essential missions, showcasing an effective civil-military partnership. Such initiatives enhance logistical capabilities in challenging terrains, ensuring operational readiness and sustainability of forces deployed in sensitive border areas. This trend emphasizes India's shift towards integrating civilian resources to support military operations, potentially improving efficiency and responsiveness in remote areas.

## Terrorism and Counterterrorism

### Hezbollah Drone Attack on Israeli Base Claims Lives of 4 IDF Soldiers

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14-Oct-24

The IDF confirmed the death of four soldiers due to a UAV strike from Hezbollah, urging respect for the families' privacy. Additional attacks included a barrage of anti-tank missiles in southern Lebanon, injuring several soldiers. The IDF's operational response included successful interception of incoming projectiles, emphasizing coordination with UN peacekeepers. The IDF's recent confrontations with Hezbollah highlight the ongoing volatility along the Israel-Lebanon border. The incident underscores the risks faced by IDF personnel due to hostile actions from militant groups, while also illustrating the complexities of maintaining operational security and humanitarian considerations during military engagements. The

call for privacy reflects an attempt to balance operational transparency with respect for affected families amidst heightened tensions.

## Mil Personnel & Veterans

### Vice Admiral Kavita Sahai Takes Command as Director General of Naval Medical Services

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14-Oct-24

Surgeon Vice Admiral Kavita Sahai has taken charge as the Director General Medical Services (Navy) on October 14, 2024. She is a distinguished medical professional with a notable career in the Army Medical Corps, recognized for her contributions to medical education and oncopathology. As the first woman to hold several prestigious positions, her appointment marks a significant milestone for gender representation in the Indian Armed Forces. Vice Admiral Sahai's appointment reflects a progressive shift in the Indian military towards inclusivity and recognition of women's capabilities in leadership roles. Her extensive background in medical education and specialization will likely enhance naval medical services, especially in addressing complex health issues within the force. This change not only highlights the importance of diversity but also indicates the military's commitment to integrating high-level expertise into its operational framework.

## Miscellaneous

### USISPF Chief: India Set to Surpass US and China in Economic Growth

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14-Oct-24

USISPF Chairman John Chambers has projected that India will surpass both China and the US in economic growth metrics, particularly GDP per capita income, under Prime Minister Modi's leadership. He emphasized the significance of the US-India partnership as a catalyst for this transformation. Chambers believes that with collaborative efforts, India could become a global growth model, enhancing both economies. Chambers' assertions highlight the growing optimism surrounding India's economic trajectory amid its strategic partnership with the US. The emphasis on collaborative sectors like technology and defense indicates a multifaceted approach that not only aims for economic growth but also regional stability in the Indo-Pacific. As India seeks to assert its influence, this partnership could be pivotal in counterbalancing China's dominance and enhancing India's global stature.



## Indian Scientists Forecast Ladakh Aurora, Advancing Space Weather Predictions

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14-Oct-24

Recent aurora sightings in Ladakh, previously rare in lower latitudes, highlight successful predictive capabilities in space weather monitoring by Indian astrophysicists. The phenomena are linked to increased solar activity, indicating a peak in Solar Cycle 25, which could lead to disruptions in satellite services. This underscores the importance of continued monitoring as extreme solar storms pose significant risks to global communication and infrastructure. The occurrence of auroras in Ladakh not only demonstrates the prowess of Indian scientists in space weather prediction but also serves as a reminder of the vulnerabilities associated with our increasing reliance on satellite technology. As solar activity intensifies, the potential for disruptive solar storms necessitates robust preparedness strategies to mitigate risks to communication systems and critical infrastructure. This development positions India as an emerging player in space weather research and underscores the need for international collaboration in monitoring and addressing solar threats.

## SpaceX's Starship Booster Snagged Mid-Air by Giant Metal Arms!

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14-Oct-24

SpaceX successfully conducted a historic test flight of its Starship rocket, marking a significant achievement in space exploration. The booster returned to the launch pad, caught by mechanical arms, while the spacecraft made a controlled landing in the Indian Ocean. This milestone enhances SpaceX's ambitions for lunar and Martian missions. The successful recovery of the Starship booster represents a leap forward in reusable rocket technology, crucial for reducing costs and increasing launch frequency. With NASA's commitment to using Starship for lunar landings, this achievement underscores the growing collaboration between commercial space enterprises and government agencies, potentially reshaping future exploration missions and international partnerships in space.

## Violence Erupts as Police and Protesters Clash at Karachi Press Club During Sindh Rawadari March

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14-Oct-24

The Sindh Rawadari March, protesting the extrajudicial killing of Dr. Shahnawaz, faced police violence, including baton charges, leading to clashes with counter-protesters from Tehreek-i-Labbaik Pakistan (TLP) in Karachi. The incident has raised serious concerns regarding human rights violations and police accountability amidst increasing extremism in the region. Calls for adherence to freedom of assembly and association were echoed by various human rights organizations following the arrests of demonstrators. The events illustrate a fraught political landscape in Pakistan, where rising extremism challenges the state's ability to uphold civil liberties. The violent response to peaceful protests and the controversial police encounter highlight systemic issues within law enforcement, raising

questions about accountability and the protection of fundamental rights in such volatile environments.

## President Murmu Kicks Off 3-Nation Tour in Algiers

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14-Oct-24

President Droupadi Murmu has arrived in Algeria, marking the first visit by an Indian President to the nation as part of her three-nation tour of Africa. She was welcomed ceremoniously by President Abdelmadjid Tebboun and will engage in various diplomatic and cultural activities during her visit. The tour aims to deepen India-Africa ties, focusing on economic, cultural, and scientific collaboration. This historic visit underscores India's growing diplomatic engagement with African nations, particularly in enhancing bilateral relations. By visiting Algeria, Mauritania, and Malawi, President Murmu emphasizes India's commitment to fostering partnerships in diverse fields, strengthening cultural ties, and showcasing India's support for developing nations. The move is pivotal for increasing India's influence in Africa amidst global geopolitical shifts.

## Jammu & Kashmir Emerges from President's Rule as New Government Readies to Take Over

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14-Oct-24

The President of India has revoked the central rule in Jammu and Kashmir, allowing for the appointment of a new chief minister following recent assembly elections won by the National Conference-Congress alliance. Omar Abdullah will lead the government as the new chief minister. This marks a significant shift from the prolonged president's rule established after the region's reorganization in 2019. The revocation of central rule indicates a move towards restoring local governance in Jammu and Kashmir, which has faced political instability since its reorganization and the abrogation of Article 370. With the National Conference-Congress alliance now in power, the new government will need to address lingering security concerns and public discontent amidst the complex socio-political landscape of the region.

## Air India Flight from Mumbai to New York Diverted to Delhi Over Bomb Scare

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14-Oct-24

Mumbai airport received a bomb threat regarding a flight to New York, leading to its diversion to Delhi for safety protocols. Authorities are investigating while urging the public to avoid spreading unverified information. This incident follows a pattern of recent bomb threats at Indian airports, raising concerns about aviation security. The increased frequency of bomb threats at Indian airports underscores the ongoing challenges in ensuring aviation security. While many threats have proven to be hoaxes, the necessity for stringent responses remains paramount. The prompt action taken by authorities reflects a proactive approach to safeguarding passengers, but it also highlights the vulnerability of air travel to such disruptive incidents. Enhanced vigilance and intelligence sharing among security agencies are essential in mitigating risks in the current security landscape.

## XDLINX Space Labs Set to Deploy Five Versatile Satellites by 2025

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14-Oct-24

The demand for multi-functional modular satellites is surging globally, driven by their affordability and rapid development timelines, with XDLINX Space Lab planning to launch five satellites by 2025. Their focus on E-Band technology could revolutionize communication capabilities, achieving data transfer speeds of up to 10 Gbps. This shift is attracting countries in Asia and Africa to engage in space missions, marking a significant trend toward democratizing access to space technology. The rapid growth of modular satellite technology signals a transformative era for space exploration, particularly for nations with limited previous involvement. XDLINX's strategic expansion into the U.S. market and its focus on E-Band technology highlight the competitive landscape of space communications. As developing nations embrace these cost-effective solutions for various applications—such as defense and climate monitoring—this trend could reshape geopolitical dynamics in space technology, fostering collaboration and competition among emerging spacefaring nations.

## India's Space Strategy: Leveraging Data and Mini Satellites to Compete Beyond SpaceX

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14-Oct-24

India aims to reshape its space industry by focusing on cost-effective satellite services for sectors like agriculture and telecommunications. The shift towards commercial ventures, led by private players and supported by government initiatives, marks a significant transition from traditional heavy launches. Although India holds potential in data mining and interpretation, it faces stiff competition from established global players. As India embraces private sector participation in space, its emphasis on small satellite technology and downstream data applications could lead to significant advancements in various industries. However, the nation needs to overcome existing market barriers and scale its operations internationally to enhance its competitive edge against established rivals from the U.S., China, and Russia.

## Border Tourism in Samba: A Win for Local Communities

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14-Oct-24

The Jammu and Kashmir Administration's border tourism initiative is revitalizing the region, particularly around the Baba Chamliyal Temple, symbolizing improved India-Pakistan relations post-ceasefire. With increased visitor numbers and government support for infrastructure like homestays, local communities are experiencing economic benefits. This initiative reflects a broader strategy to enhance stability and foster goodwill in border areas. The promotion of border tourism in Jammu and Kashmir is a strategic move to bolster regional stability and economic growth, leveraging the newfound peace following the 2018 ceasefire. By developing sites like Baba Chamliyal Temple, the initiative not only attracts tourists but also fosters a sense of security and community cohesion, thereby mitigating past fears of conflict. This dual approach—encouraging economic

development and enhancing cross-border goodwill—could serve as a model for other conflict-affected areas in India.

## Cochin Shipyard's New Dry Dock: A Milestone Now Underwater!

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14-Oct-24

Recent satellite imagery indicates that the new dry dock at Cochin Shipyard has been flooded, signaling a key milestone in its construction. Once completed, this facility will be the largest dry dock in India, accommodating vessels up to 70,000 tonnes. This development is poised to enhance India's shipbuilding capabilities and bolster the maritime industry. The flooding of the dry dock, while a concern, typically indicates progress towards final stages of construction, suggesting that the facility's infrastructure is actively being tested. Once operational, it will not only accommodate larger vessels but also reinforce India's strategic maritime capabilities, potentially attracting international contracts and fostering domestic innovation in shipbuilding technologies.

## Honoring Heroes: South African Indian Legion Commemorates Fallen Soldiers from Zulu War to WWII

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14-Oct-24

The South African Indian Legion (SAIL) commemorated the contributions of Indian-origin volunteers in major wars during an event organized in Johannesburg. Despite facing barriers during apartheid, these individuals served valiantly, often in supporting roles, and their sacrifices were honored through medals and remembrance activities. The recognition of these veterans highlights the overlooked history of Indian-origin South Africans in the military. This commemoration underscores the complex historical relationship between race, military service, and national identity in South Africa. The event not only honors individual sacrifices but also seeks to reclaim a narrative often marginalized in historical accounts, emphasizing the resilience and patriotism of Indian-origin South Africans. By documenting and recognizing these contributions, SAIL plays a crucial role in preserving this history and fostering a sense of pride within the community.

## 2024 Indian Navy Sailing Championship

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14-Oct-24

The Indian Navy will host the Indian Navy Sailing Championship (INSC) at the Indian Naval Academy in Ezhimala from October 16 to 19, 2024. Over 100 naval personnel will compete in various sailing formats, emphasizing the development of seamanship and leadership skills. This annual event showcases the Navy's commitment to enhancing watermanship and fostering camaraderie among its members. The INSC not only serves as a platform for competitive sailing but also reinforces the Indian Navy's focus on holistic training and personal development. By engaging officers, cadets, and sailors, including Agniveers, the event promotes teamwork and resilience, essential attributes for effective naval operations. This initiative underscores the Navy's strategic emphasis on building a well-rounded maritime force

capable of operating both in combat and recreational environments.

## SCO Summit: Jaishankar Joins Shehbaz Sharif for Welcome Dinner



14-Oct-24

External Affairs Minister S. Jaishankar is set to attend the Shanghai Cooperation Organization (SCO) summit in Pakistan, joining leaders from China and Russia, among others. Despite the gathering, India and Pakistan have dismissed the prospect of a formal bilateral meeting. Jaishankar emphasized that his visit is strictly for the summit, not for dialogue with his Pakistani counterpart. This visit underscores India's strategic focus on multilateralism while maintaining a clear stance on bilateral relations with Pakistan. The absence of formal talks highlights the persistent tensions and the complexities in India-Pakistan diplomacy, suggesting that regional cooperation remains secondary to their contentious relationship.

## Ambani's Reliance Pushes Minister on Satellite Spectrum in Showdown with Musk



14-Oct-24

Mukesh Ambani's Reliance is contesting the Indian telecom regulator's decision to allocate satellite broadband spectrum without an auction, opposing Elon Musk's Starlink. This dispute highlights the regulatory complexities of India's burgeoning satellite broadband market, projected to grow significantly by 2030. Reliance argues for an auction process to ensure equitable competition, while Musk supports administrative allocation in line with international practices. The ongoing confrontation between Reliance and Starlink illustrates the challenges in India's telecommunications regulatory landscape, particularly as it navigates the balance between fostering competition and managing foreign entries. Reliance's push for an auction reflects a broader concern over market integrity and aims to protect domestic players from potential competitive disadvantages. As the TRAI consultative process unfolds, the outcome will be pivotal in shaping the future of satellite broadband services in India.

## India's Small Modular Reactors: A Gateway to Nuclear Partnership with Russia



14-Oct-24

India's Nuclear Power Corporation is exploring partnerships with private sectors and Rosatom to enhance the operation of 220 MW small modular reactors (SMRs). The potential collaboration highlights India's growing nuclear capabilities and the possibility of exporting indigenous technology, fostering international cooperation. Experts believe these developments could significantly bolster India's energy security and sustainable

development goals. The collaboration with Rosatom and the focus on SMRs underscore India's strategy to diversify its energy sources while leveraging existing relationships with established nuclear partners. The emphasis on indigenous technology and the potential for exporting SMRs align with India's commitment to energy independence and sustainability, ultimately enhancing its geopolitical standing in the global nuclear landscape.

## iCognitive: Unmasking Truth - Revolutionizing Deception Detection



14-Oct-24

Noida's Brainwave Science Private Limited has launched iCognitive, a revolutionary AI-powered technology for deception detection that analyzes brainwave patterns in real-time. With a remarkable 99% accuracy rate, this headset-based system utilizes the P300 brainwave response to uncover concealed information, presenting a transformative tool for law enforcement and intelligence agencies. The implications for counter-terrorism and corporate security are significant, as iCognitive enhances investigative capabilities in identifying hidden threats and deceptive behaviors. As defense mechanisms evolve, iCognitive could reshape how security agencies operate, offering a scientifically backed method for truth verification. This innovative approach may improve the efficacy of counter-terrorism operations and enhance national security protocols. Additionally, it raises ethical considerations regarding privacy and the potential misuse of such technologies, making an ongoing dialogue essential to balance security needs with civil liberties.

## MHA Urgently Gathers Manipur MLAs to Resolve Ethnic Conflict



14-Oct-24

The Ministry of Home Affairs (MHA) has convened a meeting in New Delhi involving MLAs from the Meitei, Naga, and Kuki-Zo communities aimed at addressing the ongoing ethnic conflict in Manipur. Participation from Kuki-Zo representatives remains uncertain as they deliberate attendance. This meeting marks the first official attempt to reconcile and restore peace since the violent clashes began in May 2022, which have led to significant loss of life and widespread displacement. The MHA's initiative reflects a critical step towards addressing the deep-rooted ethnic tensions that have plagued Manipur for over a year. The unresolved grievances surrounding the demand for Scheduled Tribe status and separate administrative arrangements highlight the complexity of the situation, indicating that peace will require comprehensive dialogue and concessions from all involved communities. With over 230 fatalities and large-scale displacement, the stakes are high, and the government's response will significantly impact regional stability and communal harmony.

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# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
ROSSELLIND	104.5	104.5	98.35	101.5	31930	-0.99	18.05	216.02	456.5
NIBE	1839.95	1839.95	1784.0	1798.0	10653	-0.96	42.89	1912.66	1556.35
ASTRAMICRO	861.8	883.3	841.0	848.7	100334	-1.33	46.37	867.62	757.03
DATAPATTNS	2500.0	2509.85	2422.1	2436.45	116209	-1.54	43.46	2460.05	2625.22
PREMEXPLN	533.6	549.45	512.35	525.55	129220	0.27	45.3	529.54	478.22
HIGHENE	703.95	703.95	670.0	679.0	5759	-0.97	47.5	679.08	704.87
LT	3510.0	3573.85	3501.3	3555.05	1974378	2.08	45.74	3635.64	3576.53
MAZDOCK	4399.0	4424.0	4268.0	4277.6	1407642	-2.45	50.23	4201.88	3272.47
MARINE	233.0	242.49	233.0	237.92	265196	1.84	51.22	230.41	156.22
PARAS	1093.7	1098.8	1055.05	1067.2	62262	-1.72	41.49	1093.25	960.48
MIDHANI	377.0	381.9	374.0	375.7	201450	-0.27	39.83	387.98	431.77
DCXINDIA	322.05	326.4	321.85	322.45	143057	0.12	43.52	331.47	338.08
BEML	3792.0	3814.0	3715.75	3728.15	117897	-1.68	47.78	3718.35	3723.22
AVANTEL	178.68	180.9	174.01	175.11	610512	-1.45	46.38	175.81	-
MTARTECH	1812.0	1818.0	1778.0	1780.75	63055	-1.5	53.42	1743.04	1888.11
GRSE	1747.6	1754.95	1688.05	1698.05	650845	-2.87	46.36	1710.37	1386.69
BHARATFORG	1486.1	1505.35	1474.25	1490.1	760996	-0.15	41.15	1531.74	1410.69
TANEJAERO	488.95	509.9	485.0	491.55	19385	2.46	43.88	495.39	482.8
SOLARINDS	11318.0	11340.95	11150.0	11298.1	25901	-0.18	53.92	11220.92	9158.93
ADANIENT	3145.0	3150.1	3092.85	3101.1	437728	-1.15	51.38	3082.87	3107.56
APOLLO	101.09	101.6	99.57	99.93	878263	-0.98	41.73	104.14	111.47
BDL	1222.0	1226.0	1186.85	1189.2	477558	-2.68	49.09	1155.13	1144.56
SIKA	2656.8	2656.8	2600.0	2648.75	1249	1.76	50.69	2615.96	2245.1
CFE	594.0	628.2	594.0	600.05	21600	-3.74	34.79	642.66	576.6
BEL	286.1	289.2	284.65	285.7	11386559	-0.07	49.5	283.65	251.99
HBLPOWER	607.5	613.75	603.15	606.5	603348	0.3	47.43	613.48	535.82
PTC	196.4	197.74	192.1	192.86	935744	-2.29	36.43	209.16	209.37
LOKESHMACH	408.95	419.9	402.75	409.0	129718	-0.16	62.19	383.67	390.34
COCHINSHIP	1660.9	1689.0	1615.0	1624.4	345447	-2.19	37.18	1708.47	1535.88
KRISHNADEF	698.4	708.0	685.0	695.0	17500	-0.49	45.64	713.89	567.1
ZENTEC	1920.0	1934.8	1880.0	1910.15	353318	0.54	68.48	1724.85	1175.46
IDEAFORGE	690.0	690.05	674.05	675.0	169521	-1.39	41.36	694.85	732.92
HAL	4518.3	4544.8	4488.45	4507.55	1482299	1.38	51.94	4392.97	4085.91
AZAD	1515.75	1536.0	1483.4	1526.05	94605	1.68	54.76	1472.38	-