



# Defence Professionals News & Analysis

January 02,2025 | Day 002

## Top Gainers

Stock	Close	Prev	Change
HIGHENE	650.0	614.55	+5.77%
LOKESHMACH	333.3	320.15	+4.11%
TEMBO	882.45	849.05	+3.93%
MTARTECH	1720.4	1673.65	+2.79%
APOLLO	123.96	120.68	+2.72%

## Top Losers

Stock	Close	Prev	Change
LMW	17243.0	17779.35	-3.02%
MARINE	265.55	270.8	-1.94%
SOLARINDS	9698.95	9864.25	-1.68%
AVANTEL	158.28	159.95	-1.04%
HBLPOWER	626.75	633.2	-1.02%

## Defense Business and Industry

### Archer-NG: India's Next-Gen UAV Set for First Flight by 2025



02-Jan-25

India is making significant strides in its UAV capabilities with the upcoming maiden flight of the Archer-NG, a Medium Altitude Long Endurance UAV, following successful high-speed taxi trials. Set for its debut by March 2025, Archer-NG is designed for various military roles, enhancing India's surveillance and precision strike capabilities. Concurrently, the Archer Short-Range UAV is nearing its first flight in a new configuration, boasting a lightweight airframe and advanced weapon delivery systems, aimed at competing with international models like Turkey's Bayraktar-TB2. Both initiatives underscore India's commitment to self-reliance in defense manufacturing under the #MakeInIndia initiative, fulfilling the growing operational demands of the Indian Armed Forces for effective unmanned platforms while ensuring technological advancement and cost-effectiveness.

### GTRE Seeks ₹1600 Crore for High-Altitude Jet Engine Testing Facility



02-Jan-25

The Gas Turbine Research Establishment (GTRE) is pushing for a ₹1600 crore high-altitude testing facility to enhance India's indigenous jet engine development, particularly for the Kaveri engine and the Advanced Medium Combat Aircraft (AMCA). This facility would enable GTRE to conduct critical tests currently outsourced to foreign facilities, thus promoting self-reliance in aerospace technology. Meanwhile, GTRE's

130KN engine test bed in Bangalore is nearing completion, allowing extensive testing of the Kaveri and AMCA engines. The establishment of these facilities is essential for ensuring operational stability and performance under military conditions, but delays in funding approval reflect bureaucratic challenges that could hinder India's ambitions in aerospace innovation and defense sovereignty. Overall, these initiatives represent a significant step towards reducing dependency on foreign technologies while fostering a robust domestic defense ecosystem.

### Tonbo Imaging Supplies Second Batch of Arjun TI Sights to Army



02-Jan-25

Bengaluru-based Tonbo Imaging has delivered the second batch of Arjun Thermal Imaging (TI) Sights to the Indian Army under a capital procurement contract for Medium Machine Guns. This delivery underscores India's commitment to enhancing its defense capabilities through indigenous technology, as the Arjun TI Sight features advanced HawkVision technology for superior thermal imaging. The lightweight, multifunctional design of the sight demonstrates adaptability for various military roles, showcasing India's progress in defense autonomy and innovation. Such developments play a crucial role in modernizing the Indian Army's operational effectiveness, ensuring it remains competitive in contemporary warfare scenarios.

## India Achieves 88% Ammunition Indigenisation, Pursuing Full Self-Sufficiency



02-Jan-25

India's Ministry of Defence has achieved an impressive 88% indigenisation rate for the production of 154 out of 175 ammunition variants needed by the Indian Army, as part of its strategic 10-year plan for self-sufficiency in firepower. This initiative aligns with the Make in India and Aatmanirbhar Bharat campaigns, significantly reducing dependency on foreign arms and enhancing operational readiness amidst unpredictable global supply chains. Key advancements include the indigenisation of sophisticated ammunition like the Armour-Piercing Fin-Stabilized Discarding Sabot (APFSDS) and Swedish-made light anti-armor weapons ammunition, bolstering domestic manufacturing, fostering innovation, and ensuring India can sustain military operations independently, especially during prolonged conflicts.

## India to Prioritize AMCA Development Over 6th Gen Fighter Offers



02-Jan-25

India is set to decline offers from Germany and Spain for participation in their 6th Generation Future Combat Air System (FCAS) and a UK-Japan-Italy consortium's Global Combat Air Program (GCAP), opting instead to focus on its indigenous Advanced Medium Combat Aircraft (AMCA) program. This 5.5-generation fighter aims to bridge the gap to 6th-generation technologies, with features like advanced stealth and AI integration, targeting initial induction by 2035. While not pursuing foreign collaborations at this time, India recognizes the long-term importance of developing a 6th-generation fighter, with plans to lay the foundation for such advancements in the 2040s, driving self-reliance in defense capabilities.

## India's HLFT-42 Fighter Trainer to Use AI for Enhanced Pilot Training



02-Jan-25

India's HLFT-42 fighter trainer is set to revolutionize pilot training by integrating advanced AI technologies, enhancing learning and operational capabilities. The AI system will simulate realistic combat scenarios, providing real-time feedback on cadets' performance and refining their skills beyond human instructors' capabilities. This innovative approach is expected to significantly shorten the training timeline, preparing pilots for advanced aircraft like the AMCA (Advanced Medium Combat Aircraft). By combining human

experience with data-driven insights, the HLFT-42 aims to establish a new standard in military training, aligning with India's broader defense modernization efforts and ensuring mission readiness for next-generation combat.

## Is the U.S. NGAD Program Facing a F-22-Style Dilemma?



02-Jan-25

The U.S. Air Force's Next-Generation Air Dominance (NGAD) program is facing a significant reassessment due to budget constraints, technological advancements, and an evolving threat landscape, particularly from drones. With a projected cost of \$250 million per aircraft, the program may struggle to achieve economies of scale compared to the widely adopted F-35, especially as European nations pursue independent sixth-generation fighter initiatives. The Air Force must decide whether to maintain a limited fleet of advanced manned fighters or shift toward more cost-effective, unmanned systems, impacting U.S. air power and international military collaborations. This situation underscores the challenges facing U.S. defense strategy in a rapidly changing global landscape.

## HAL to Launch Next-Gen CATS Warrior UCAV at Aero India 2025



02-Jan-25

Hindustan Aeronautics Limited (HAL) is set to showcase its next-generation CATS Warrior, a 2-ton twin-engine Unmanned Combat Aerial Vehicle (UCAV), at Aero India 2025. This advanced system is designed to function as a loyal wingman to manned fighter jets, enhancing their operational effectiveness through air-to-air combat and extensive surveillance capabilities. The event will unveil scale models and detailed insights into the CATS Warrior's integration with existing platforms. This initiative marks a significant step in India's unmanned aerial combat technology and is likely to attract global interest, fostering potential collaboration and export opportunities while reinforcing India's position in defense innovation.

## Indian Shipyards Boost Warship Production to Compete Globally



02-Jan-25

Indian shipyards are enhancing warship production through advanced modular construction, aiming to compete with leading Asian shipbuilders. This technique allows for the creation of pre-fabricated blocks, leading to significant reductions in construction time—from 76 months for initial Nilgiri-class frigates to just 60 months for upcoming vessels. The strategy not

only improves efficiency and quality but also involves substantial investments in infrastructure and workforce training. By adopting these modern techniques, Indian shipyards are positioning themselves to become serious contenders in the global shipbuilding market, traditionally dominated by nations like China, South Korea, and Japan, significantly boosting India's defense capabilities.

## Mystery at Bareilly: Is it a Rafale or Tejas MkII Mockup?



02-Jan-25

Recent satellite imagery from Bareilly Air Force Station has ignited speculation within the Indian defense community on popular forums like reddit etc, regarding a potential fighter jet mockup, with debate centering around whether it represents the Dassault Rafale or the indigenous HAL Tejas MkII. Observers note discrepancies, such as the absence of Rafale-specific details like MICA missile rails, leading to the hypothesis that it may serve as a training tool for ground crew or as a strategic decoy. This incident underscores India's evolving military sophistication, as such mockups could enhance operational readiness for the Tejas MkII or act as a tactical measure to mislead adversaries, reflecting the complexities of modern military strategy.

## Rajnath Singh unveils plan to enhance defense procurement and partnerships



02-Jan-25

The Indian defense ministry, under Minister Rajnath Singh, is set to implement a comprehensive roadmap aimed at streamlining procurement processes, enhancing public-private partnerships, and fostering technology transfer by 2025. The proposed reforms include an accelerated procurement procedure to reduce delays in acquiring weapons systems and an emphasis on collaboration between public sector entities and private firms. The initiative seeks to position India as a credible defense exporter while focusing on critical areas like cyber, space, artificial intelligence, and robotics. This strategic shift is pivotal for enhancing India's defense capabilities and military readiness, promoting greater efficiency, and bolstering indigenous manufacturing.

## Geopolitics and Security Alliances

### India Prepares to Counter Pakistan's UNSC Moves on Kashmir



02-Jan-25

India is actively strategizing to counter Pakistan's anticipated efforts to internationalize the Kashmir issue during its upcoming term as a non-permanent member of the UN Security Council (UNSC). Key measures include strengthening diplomatic ties with permanent UNSC members like Russia, France, and the US, and building alliances with non-permanent members such as Algeria, Greece, Denmark, and Slovenia to create a united front against Pakistan's initiatives. India aims to counter anti-India narratives regarding human rights in Jammu and Kashmir while also preparing to address terrorism discussions that Pakistan may raise. The complexities introduced by Pakistan's UNSC membership necessitate India's proactive approach to safeguard its national interests and maintain regional stability. By fostering alliances and enhancing diplomatic outreach, India is positioning itself to effectively mitigate any potential adverse narratives arising during this critical period.

### Bangladesh Army Chief Advocates Balanced Ties with India



02-Jan-25

Bangladesh's Army Chief, General Waker-Uz-Zaman, emphasized the necessity of balanced and fair relations

## Defense Policy and Budgeting

### India's Defence Ministry Announces 2025 as 'Year of Reforms'



02-Jan-25

The Indian Defence Ministry has declared 2025 as the "Year of Reforms," aiming to enhance the armed forces' capabilities through integrated theatre commands and a focus on emerging domains like cyber, space, and artificial intelligence. Defence Minister Rajnath Singh emphasized that this initiative will significantly modernize the military, equipping it for multi-domain operations and ensuring national security in the face of 21st-century challenges. The reforms are expected to lay a strong foundation for advanced defense preparedness, reflecting India's commitment to maintaining sovereignty and adapting to new technological landscapes. This strategic move demonstrates India's proactive approach to evolving geopolitical dynamics.

with India, acknowledging interdependence in various sectors such as trade and healthcare. He highlighted that both nations should prioritize and respect each other's strategic interests, addressing unresolved issues like water rights and border security. While recognizing China's role in Bangladesh's defense cooperation, he insisted on a diplomatic stance of "friendship towards all and malice towards none." General Zaman's remarks indicate a commitment to mutual respect and a desire to avoid any perception of dominance, which is crucial for regional stability and harmony between India and Bangladesh. His statements signal a prudent approach to foreign relations, seeking equilibrium amidst diverse partnerships.

## India Urges Pakistan to Expedite Release of Civilian Prisoners and Fishermen SHARE

02-Jan-25

India and Pakistan have exchanged lists of civilian prisoners and fishermen in each other's custody, as per their bilateral Agreement on Consular Access. India has requested the early release and repatriation of 183 Indian fishermen and civilian prisoners who have completed their sentences and called for immediate consular access for 18 Indian nationals. Emphasizing humanitarian concerns, India has also urged Pakistan to expedite the nationality verification process for 76 believed-to-be-Pakistani individuals in Indian custody. Since 2014, India has successfully repatriated 2,639 fishermen and 71 civilian prisoners from Pakistan, showcasing its commitment to addressing humanitarian issues despite broader geopolitical tensions.

## Israeli Airstrikes Claim 12 Lives in Ongoing Gaza Conflict SHARE

02-Jan-25

Israeli airstrikes in Gaza have resulted in at least 12 fatalities, including women and children, as the conflict continues into its second year. The Israeli military claims to target Hamas fighters but has faced international scrutiny over civilian casualties. The ongoing war has displaced 90% of Gaza's population, with severe humanitarian implications. Meanwhile, former Israeli Defense Minister Yoav Gallant resigned from parliament, criticizing proposed military draft exemptions, indicating internal dissent regarding military strategy. As the conflict persists, numerous stakeholders, including American and Arab mediators, struggle to negotiate a ceasefire, emphasizing the escalating complexity of the situation.

## Sheikh Hasina's Extradition Highlights Key India-Bangladesh Issues SHARE

02-Jan-25

Bangladesh's Foreign Affairs Adviser, Touhid Hossain, emphasized Sheikh Hasina's extradition as a key issue in bilateral relations with India, amid the interim government's focus on maintaining strong ties with the US, India, and China. He mentioned Dhaka's diplomatic note to New Delhi requesting Hasina's return, while also prioritizing the resolution of the Rohingya crisis and balanced relations with global powers. Hossain acknowledged the changing situation in Myanmar's Rakhine state as a challenge but reiterated the government's commitment to ensuring the rights and security of the Rohingya refugees. This underscores Bangladesh's strategic balancing act in regional geopolitics while addressing pressing domestic issues.

## China's Aggressive Tactics Could Spark Long War with India SHARE

02-Jan-25

A recent US think tank simulation indicates that a swift territorial offensive by China against India could escalate into a decade-long conflict, particularly in Ladakh and Arunachal Pradesh. It suggests that while India might initially face setbacks, its military capabilities will strengthen over time, making it unwilling to accept territorial losses. A protracted conflict could strain both nations economically and reshape regional geopolitics, with potential international intervention. Key arguments emphasize that China's strategy could backfire, ultimately affirming India's resilience and growing military prowess, which is crucial for countering aggression and maintaining national integrity.

### Military Operations

## Indian Troops Conduct Vigilant Patrols at 10,000 Feet in Poonch SHARE

02-Jan-25

Indian troops are conducting vigilant patrols at approximately 10,000 feet along the Line of Control (LoC) in Poonch, Jammu and Kashmir, amidst severe snowfall and adverse weather conditions. This initiative aims to counter recent terrorist threats, as highlighted by increased incidents resulting in fatalities. The Indian Army has enhanced surveillance through advanced technology, including drones and quadcopters, while focusing on high-risk forest areas. Continuous training



and preparedness exercises are being organized to ensure operational readiness against potential terrorist encounters, underscoring the Army's commitment to safeguarding national security in a challenging environment.

## India Announces Missile Firing Exercise in Andaman & Nicobar SHARE

02-Jan-25

India has issued a Notice to Airmen (NOTAM) for a military firing exercise from January 15 to 17, 2025, in the Andaman and Nicobar Islands, potentially involving the BrahMos supersonic cruise missile. This exercise, covering a range of approximately 370 kilometers, underscores India's commitment to enhancing its strategic capabilities in a crucial maritime region. Given the islands' proximity to vital routes such as the Malacca Strait, the exercise could involve launches from both warships and the Su-30MKI aircraft, which are integrated with BrahMos. This development reflects India's proactive stance in fortifying its defense posture amid regional security challenges.

## Terrorism and Counterterrorism

### New Orleans Car-Ramming Attack Linked to ISIS, FBI Calls It Terrorism SHARE

02-Jan-25

A deadly car-ramming incident in New Orleans on New Year's Day, attributed to 42-year-old Shamsud Din Jabbar, resulted in at least 15 fatalities and over 30 injuries. Jabbar, a U.S. Army veteran, allegedly drove his truck into a crowd celebrating, with evidence suggesting a potential terrorist motive, including the presence of an ISIS flag and suspected explosive devices in his vehicle. Local officials and President Biden condemned the violence, highlighting the intentional nature of the attack amidst a festive atmosphere. The investigation is ongoing, with the FBI considering possible accomplices or affiliations with extremist groups, prompting concerns about broader implications for public safety and national security.

### Four JeM Associates Arrested in Pulwama for Logistics Support SHARE

02-Jan-25

Jammu and Kashmir Police arrested four associates of the Jaish-e-Mohammad (JeM) terrorist outfit in the Pulwama district, specifically in the Awantipora area. The arrested individuals, identified as Mudasir Ahmad

Naik, Umar Nazir Sheikh, Inayat Firdoos, and Salman Nazir Lone, were reportedly involved in providing logistical support and transporting arms and ammunition to active JeM terrorists. This operation reflects the sustained efforts of Indian security forces in countering terrorism and disrupting networks that facilitate such activities in the region. The arrests are a significant step in maintaining security and safeguarding the interests of the local population in Jammu and Kashmir.

### Eleven Naxalites, including a key leader, surrender in Gadchiroli. SHARE

02-Jan-25

Eleven Naxalites, including high-ranking leader Vimla Chandra Sidam, surrendered in Gadchiroli, Maharashtra, with bounties over Rs 1 crore. Chief Minister Devendra Fadnavis emphasized the diminishing influence of Naxalism in the region, showcasing infrastructure developments like new roads and bridges that promote local governance and connectivity. The surrender reflects successful state efforts in combating Naxalism, with Fadnavis attributing this to strong coordination with the central government and the implementation of the C-60 model. The initiative aims to restore peace and provide new opportunities for former militants, highlighting a positive trajectory for the region's socio-economic development.

### Gwadar Faces Violence and Abductions Amid Rising Tensions SHARE

02-Jan-25

In Gwadar, over 18 individuals have reportedly been abducted amid rising violence and enforced disappearances, with local protests escalating against military presence and resource exploitation tied to the China-Pakistan Economic Corridor. The situation reflects broader grievances within the Baloch community, already subjected to state-sponsored violence, leading to significant human rights concerns. Human rights organizations have documented thousands of enforced disappearances over the years in Balochistan, indicating a troubling trend that warrants urgent attention. The ongoing unrest signifies deeper issues surrounding governance, resource allocation, and the impact of military actions on local populations, underscoring the need for a more humanitarian approach to address these grievances.

## Russia's drone strikes on Kyiv kill 2, injure 6, escalating conflict SHARE

02-Jan-25

Russia's recent drone strikes on Kyiv resulted in two fatalities and at least six injuries, damaging residential and non-residential buildings. Despite Ukraine's air defenses downing 63 of the 111 drones, the attacks reflect Moscow's sustained aggression in the nearly three-year conflict, targeting urban areas far from the front lines. President Zelenskiy condemned the strikes, emphasizing Russia's intent to harm Ukraine even during festive times. This persistent assault underscores the broader geopolitical tensions and the urgent need for enhanced air defense capabilities to protect civilian infrastructure in Ukraine against such threats.

## Masked Men Attack Construction Workers' Bus in J&K, 4 Injured SHARE

02-Jan-25

Four employees of a construction firm were injured during an attack on their bus in Jammu and Kashmir's Ramban district, attributed to masked men who forcibly boarded the vehicle. The incident raised concerns over the safety of non-local workers, prompting local police to detain eight suspects for questioning. Senior officials assured the injured employees that measures would be taken to enhance their security while they continue working in the region. This attack underscores the ongoing challenges in maintaining peace and security in Jammu and Kashmir, particularly for those contributing to vital infrastructure projects, highlighting the need for robust protective measures for workers in sensitive areas.

## West Bengal CM vows to protest BSF's alleged militant support SHARE

02-Jan-25

West Bengal Chief Minister Mamata Banerjee has accused the Border Security Force (BSF) of facilitating the infiltration of militants from Bangladesh, claiming this has led to disruptions in the state. She asserted that the BSF's actions reflect a central government blueprint and emphasized that her party, the Trinamool Congress (TMC), is not responsible for these infiltrations. Banerjee stated that the TMC would protest against any actions that compromise the state's peace and stability, making it clear that the BSF holds the responsibility for border security. This situation underscores the ongoing challenges India faces regarding border management and national security,

highlighting the need for cohesive coordination among state and central authorities.

## Mil Personnel & Veterans

### Reflect on Soldiers' Sacrifices: Indian Army's New Year Message SHARE

02-Jan-25

The Indian Army recently emphasized the importance of reflecting on the sacrifices made by soldiers, particularly those stationed along the Line of Control (LoC) in Jammu and Kashmir. As the New Year approaches, the Army highlighted the unwavering commitment of its personnel, who face extreme weather conditions and challenging terrains to safeguard the nation. Additionally, the Chinar Warriors Corps showcased their dedication by evacuating stranded tourists due to heavy snowfall, providing essential support to civilians in distress. This message not only honors the valor of the armed forces but also encourages citizens to appreciate and unite in gratitude for their sacrifices, reinforcing national pride and security. Such reminders are vital in fostering a deeper connection between the military and society, reinforcing the collective responsibility towards the nation's safety and freedom.

### Rajnath Singh Champions Indigenous Innovation at DRDO's 67th Day SHARE

02-Jan-25

On January 2, 2025, Raksha Mantri Rajnath Singh commemorated DRDO's 67th Foundation Day in New Delhi, emphasizing the need for indigenous capabilities and collaboration with the private sector to advance India's defense technology. He urged DRDO to focus on crucial projects, targeting the completion of 100 projects by the next foundation year, and encouraged the integration of start-ups into R&D efforts. The DRDO Chairman highlighted significant advancements in technology transfer and increased testing support for private industries, showcasing a commitment to fostering innovation and a collaborative ecosystem in India's defense sector, which is vital for national security and technological advancement.

## Miscellaneous

### Indian Army Celebrates Muleteers' Legacy with Special Cover SHARE

02-Jan-25

The Indian Army recently released a Special Day Cover to honor the legacy of its Animal Transport (Mountain Artillery) Units, marking the retirement of these historical units. Distinguished officials attended this ceremony, highlighting the significant role of mules and muleteers in military logistics over 250 years. As modern technologies like drones and robotic mules emerge, the disbandment of these traditional units signifies a transition in military logistics. This tribute not only commemorates their invaluable contributions but ensures that the Indian Army's "Mounted Heritage" is preserved for future generations, showcasing the rich history and adaptability of the Indian defense forces amid evolving operational needs.

### ISRO's SpaDeX Missions to Showcase Advanced Docking Systems SHARE

02-Jan-25

ISRO is advancing its SpaDeX missions, which will feature more sophisticated docking systems, with the final docking operation set for January 7, 2025. These developments are crucial for future missions like Chandrayaan-4 and the Indian Space Station, where advanced docking technology will be essential for lunar exploration and manned missions. This initiative reflects ISRO's commitment to enhancing India's capabilities in space exploration and satellite operations, underscoring the nation's strategic shift towards more complex and ambitious space endeavors. Such advancements will bolster India's position in the global space arena and pave the way for future innovations in space technology.

### Indian Firm Achieves Milestone in Titanium Manufacturing SHARE

02-Jan-25

Aerolloy Technologies Limited (a wholly owned subsidiary of PTC Industries Limited) has achieved a significant milestone in titanium manufacturing by developing a VAR furnace capable of producing high-quality titanium alloy ingots, addressing India's historical reliance on imports for aerospace-grade titanium. This facility, with an annual capacity of 1,500 metric tons, aligns with India's strategic goals for self-reliance in advanced manufacturing and positions the

country alongside major producers like the USA, Russia, and China. The new manufacturing facility in the Uttar Pradesh Defence Industrial Corridor underscores the potential of Indian companies to excel in advanced technologies, thereby strengthening India's defense capabilities and manufacturing sector, marking a pivotal moment in the country's defense industrial landscape.

### Assam CM: Influx from Bangladesh mainly majority community workers SHARE

02-Jan-25

Assam Chief Minister Himanta Biswa Sarma highlighted that the recent influx from Bangladesh is primarily from the majority community, particularly textile workers seeking better opportunities in Tamil Nadu, rather than the minority Hindu population facing persecution. He noted that Prime Minister Modi is striving to create a supportive environment for Hindus in Bangladesh. The CM emphasized the alarming rise in illegal crossings due to Bangladesh's economic collapse and mentioned ongoing efforts to counter terrorism in the region, with significant police successes in coordination with national agencies. Sarma reassured that infiltrators are being pushed back rather than arrested, showcasing a proactive approach to border management and security.

### Anushka Sharma champions women's landmark judgments in armed forces SHARE

02-Jan-25

Bollywood actor Anushka Sharma has endorsed the book "In Her Defence: Ten Landmark Judgments on Women in the Armed Forces," highlighting the significant contributions of women in India's military. This support comes amid her attendance at the Border-Gavaskar Trophy in Sydney, where the Indian cricket team, led by Rohit Sharma, faces challenges against Australia after initial success. The emphasis on women's empowerment in the armed forces reflects a progressive shift in India's defense landscape, while the cricket team's performance illustrates the competitive spirit and challenges faced in international sports. Sharma's acknowledgment of both realms showcases a strong cultural connection to India's achievements and struggles in both defense and sports.

## After 40 Years, Toxic Waste from Bhopal Gas Tragedy Relocated



02-Jan-25

The recent relocation of 337 metric tonnes of toxic waste from the Union Carbide India Limited site in Bhopal to a secure incineration facility in Pithampur marks a significant step in addressing the aftermath of the 1984 gas tragedy. This operation, involving 12 container trucks and extensive safety measures, was expedited following a Madhya Pradesh High Court directive. The incineration facility has a proven safety record, having successfully treated similar waste since 2006, with emissions meeting national standards. This initiative not only signifies a commitment to environmental safety but also reflects improved agricultural conditions in surrounding areas, highlighting a positive trajectory in post-tragedy rehabilitation efforts.

## Abdullah Urges Quick Restoration of Statehood for J&K



02-Jan-25

Chief Minister Omar Abdullah expressed hope that Jammu and Kashmir's Union Territory (UT) status is temporary and urged the central government to restore statehood soon, emphasizing the importance of fulfilling election promises. He noted the difference in governance between the previous state and the current UT model and stated that the process of implementing promises has commenced. Abdullah highlighted that the people's aspirations should be respected and mentioned the Supreme Court's stance on restoring statehood promptly. This sentiment reflects the ongoing discussions about governance and autonomy in the region, emphasizing the need for a responsive political framework that addresses local aspirations while maintaining national integrity.

## India's Space Economy Set to Soar to \$44 Billion by 2033



02-Jan-25

India's space economy is projected to expand nearly fivefold from \$8.4 billion to \$44 billion in the next decade, bolstered by significant investments and ISRO's advances, including the upcoming Space Docking Experiment (SPADEX) mission set for January 2025. This mission aims to demonstrate crucial docking technologies and enhance satellite servicing capabilities, marking India as a global leader in space technology. The private sector's participation, fostered by the 2023 New Space Policy, has spurred a surge in startups, enhancing ISRO's infrastructure and global partnerships. Overall, India's strategic advancements in space technology not only bolster economic growth but also reinforce its geopolitical stature in the global arena.

## DG Propulsion Launches New Year with Thrilling Jet Engine Bike Test



02-Jan-25

Indian aerospace startup DG Propulsion celebrated the New Year by testing their DG J40 jet engine attached to a bicycle, showcasing their technological prowess and innovation. Co-founder Prateek Dhawan experienced a thrilling ride as the engine propelled the bike at full throttle, leading to a near-miss with a parked car due to the brakes failing under thrust. This daring experiment highlighted the engine's power and precision, evoking excitement among onlookers and demonstrating the potential of DG Propulsion's advancements in aerospace technology. Such public demonstrations not only enhance the company's visibility but also underscore India's growing capabilities in the defense and aerospace sectors.

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# Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
HIGHENE	614.5	650.0	614.5	650.0	4648	5.77	54.29	653.42	717.67
LOKESHMACH	320.0	337.9	320.0	333.3	123964	4.11	44.33	346.21	390.78
TEMBO	842.0	891.5	829.0	882.45	73809	3.93	66.38	789.91	392.32
MTARTECH	1673.65	1737.0	1673.65	1720.4	175412	2.79	55.18	1680.52	1788.93
APOLLO	121.79	124.97	118.16	123.96	15355943	2.72	81.18	101.22	104.81
DCXINDIA	364.65	372.95	352.85	367.6	2309474	2.7	66.06	334.26	334.68
TANEJAERO	447.95	455.0	429.65	451.05	25406	2.62	54.09	452.02	490.98
SIKA	2535.0	2620.0	2500.0	2604.3	2821	2.53	51.25	2632.87	2522.78
COCHINSHIP	1568.45	1619.9	1552.65	1594.85	472162	1.78	55.42	1581.36	1726.31
BEML	4132.0	4248.05	4122.7	4192.6	192699	1.75	52.43	4247.87	3974.11
ADANIENT	2565.7	2602.0	2537.0	2597.7	1167236	1.68	56.36	2474.89	2980.53
HAL	4180.0	4242.0	4177.95	4235.8	1347694	1.57	43.04	4414.12	4456.89
LT	3676.6	3724.1	3650.05	3713.5	1882900	1.25	51.82	3755.36	3617.19
BHARATFORG	1300.0	1320.95	1295.0	1315.7	749880	1.22	45.32	1329.86	1454.55
MIDHANI	347.85	354.5	344.5	346.7	521921	1.14	46.8	361.49	407.13
ASTRAMICRO	780.0	793.6	775.0	786.15	143060	1.07	48.87	799.41	804.79
BEL	294.45	297.8	291.35	296.8	13361957	0.99	48.5	303.16	280.4
AZAD	1839.0	1867.0	1770.0	1848.85	344752	0.89	64.03	1743.22	1552.33
ZENTEC	2484.05	2525.0	2465.0	2501.2	182180	0.85	70.86	2306.35	1501.79
NIBE	1680.05	1697.0	1666.0	1687.7	11173	0.72	43.66	1776.52	1740.02
MAZDOCK	2260.0	2293.2	2245.0	2253.8	1434052	0.45	44.6	2402.34	1943.84
KRISHNADEF	765.0	770.0	760.0	763.35	14750	0.43	58.45	743.32	656.21
ROSSELLIND	79.05	82.5	79.05	79.34	37134	0.38	40.31	80.79	357.08
PTC	152.75	153.0	150.51	152.13	1441226	0.35	41.3	158.92	199.82
PARAS	1012.0	1023.6	1002.55	1007.1	64461	0.13	42.34	1057.3	1039.01
GRSE	1650.0	1681.75	1637.0	1649.6	374070	-0.03	50.55	1681.15	1596.36
CFF	703.05	706.0	697.0	698.0	10400	-0.17	53.77	702.0	625.01
DATAPATNS	2508.8	2513.9	2475.85	2490.8	62934	-0.3	49.58	2548.62	2719.29
IDEAFORGE	626.75	631.0	617.0	621.15	104649	-0.51	56.25	610.87	688.4
BDL	1130.0	1159.9	1121.25	1125.5	510535	-0.72	42.6	1208.95	1213.28
PREMEXPLN	543.9	545.0	527.5	534.5	65008	-0.83	55.88	520.13	527.87
HBLPOWER	633.2	641.95	624.0	626.75	784865	-1.02	47.67	657.13	564.58
AVANTEL	161.45	161.6	156.2	158.28	425086	-1.04	47.03	162.65	-
SOLARINDS	9904.2	9908.9	9637.9	9698.95	60149	-1.68	40.54	10294.6	10126.97
MARINE	275.3	279.3	258.0	265.55	290076	-1.94	45.87	288.89	196.68
LMW	17808.9	17808.9	17200.1	17243.0	3329	-3.02	53.67	17255.47	16212.98