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# Defence News

## Move to procure six more P-8I submarine hunters before DAC this week

*Source: The Indian Express, Dt. 11 Feb 2026*

India is set to procure six additional Boeing P-8I aircraft, a multi-role Long Range Maritime Reconnaissance Anti-Submarine Warfare (LRMR ASW) aircraft, as part of an inter-governmental agreement with the United States.

The Defence Procurement Board (DPB) is learnt to have cleared the procurement on January 16, weeks before US President Donald Trump, on February 2, announced an agreement with India on a trade deal and cut tariff to 18 per cent. According to highly placed sources, the decision to go ahead with the acquisition of the P-8Is, among other factors, may have played a significant role in achieving a breakthrough in the trade talks.

According to sources, the procurement is set to be cleared by the Defence Acquisition Council (DAC) at its meeting on February 12. It will then need to be cleared by the Cabinet Committee on Security, and the final deal will be signed after the cost negotiations are over. According to officials familiar with the matter, the procurement will be made under the Defence Acquisition Procedure 2020 — the document that governs all capital military procurements — thus eliminating any offset obligation to the US firm.

In 2020, the defence ministry had removed the offset clause requirement in Inter-Governmental Agreements when it released the new Defence Acquisition Procedure (DAC) 2020. A long-range, multi-mission maritime patrol aircraft operated by the Indian Navy, the Boeing P-8Is are specifically designed for anti-submarine warfare (ASW), anti-surface warfare (ASW), and intelligence, surveillance and reconnaissance (ISR). Considering India's increasing focus on the Indian Ocean Region and maritime matters, these aircraft would strengthen the Navy's capabilities.



So, amid the increased push for 'Make in India', this is one of the few foreign procurements which will not involve any technology transfer and, possibly, other obligations like co-production or creation of maintenance and repair infrastructure. In November 2019, the DAC had cleared the procurement of six P-8Is, following which the US Department of Defense (DoD), in April 2021, had

cleared the sale at an estimated cost of \$2.42 billion. The deal, however, did not fructify. The price of the aircraft is expected to have escalated significantly since then.

In a renewed push, India and the US have been discussing the finer details of the deal over the last few months. In September last year, a delegation of the US Department of Defence and Boeing officials visited India in this connection. Last month, US Ambassador to India Sergio Gor, accompanied by a US delegation, had met Defence Secretary R K Singh, following which he posted on X, "...joint exercises will continue, additional sales are in progress..".

Over the last few months, India has also initiated a few other key military procurements from the US, including 216 M982A1 Excalibur tactical projectiles and 100 Javelin rounds for over \$90 million. India has also signed Letters of Offer and Acceptance (LOAs) with the US for sustainment support of the Indian Navy's fleet of MH-60R helicopters through Follow-on Support and Follow-on Supply Support for a period of five years, worth Rs 7,995 crore.

Currently, the Indian Navy operates 12 P-8Is, which were ordered in two batches — the first batch of eight aircraft was ordered in 2009, and subsequently four aircraft were ordered in 2016. The Rajali-based INAS 312 and INAS 316 at INS Hansa, Goa, operate these aircraft.

<https://indianexpress.com/article/india/move-to-procure-six-more-p-8i-submarine-hunters-before-dac-this-week-10525471/>

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## **Rafale jets, pseudo satellites on Defence Ministry's acquisition list this week**

**Source: The Tribune, Dt. 11 Feb 2026**

The Defence Acquisition Council (DAC), the apex decision-making body of the Ministry of Defence (MoD), will soon take a call on sourcing 114 Rafale fighter jets from France. Separately, in a push towards latest technology, the DAC is also expected to approve long-endurance 'pseudo satellites' for surveillance.

The council is scheduled to meet on February 12 under the chairmanship of Defence Minister Rajnath Singh. Last month, the Defence Procurement Board, headed by the Defence Secretary Rajesh Kumar Singh, approved the proposal to acquire 114 Rafale fighter jets from French plane maker Dassault. The Cabinet Committee on Security, chaired by Prime Minister Narendra Modi is expected to give a final nod on the proposal.

India and France are looking to seal the deal for the fighter jets during the upcoming meeting between Modi and French President Emmanuel Macron, who will be in India from February 17 to 19. In September last year, the Indian Air Force had moved the formal proposal to the Ministry of Defence, seeking 114 more Rafale jets as part of its multi-pronged plan to expand its fleets of fighter jets.

The IAF already flies 36 Rafale jets, while the Navy has ordered 26 marine variants of the same jet. Increasing its numbers would also reduce the maintenance costs. A Rafale flight training, and maintenance, repair and overhaul (MRO) facility is operational at the IAF base in Ambala. The Air Force has the capacity – space, spares, tooling and trained manpower — to immediately take-in two squadrons (36 to 38 planes).

The jets will be acquired under a 'Make in India' scheme, under which Dassault Aviation will partner with an Indian firm. The French plane maker will integrate Indian weapons, missiles and ammunition on all 114 jets and provide secure data links to allow digital integration of these jets with Indian radars and sensors sending imagery to ground-based controllers.

The French manufacturer will also provide transfer of technology (ToT) for making air frames. Its suppliers, including engine maker Safran and avionics provider Thales, will also be a part of the ToT. Consequently, the indigenous content in these jets is expected to be between 55 per cent and 60 per cent once the transfer of technology for air frames, engines and avionics is completed.

Meanwhile, sources said that DAC is also looking at solar-powered High-Altitude Pseudo Satellite Vehicle (HAPS). The National Aerospace Laboratories (NAL) has already tested one, while the DRDO and Bangalore-based NewSpace Research and Technologies (NRT) have their respective versions.

An HAPS is a high-end version of an unmanned aerial vehicle (UAV) that can operate in the stratosphere for long duration for surveillance and reconnaissance. It can operate at an altitude of about 20 km, much higher than the flight path of commercial planes. It is considered much cheaper to deploy and operate than satellites. Besides, no launch vehicle or rocket is needed to launch it. Only a few global players like the US, the UK, Germany, South Korea, New Zealand and Japan have invested in such technologies.

<https://www.tribuneindia.com/news/india/rafale-jets-pseudo-satellites-on-defence-ministrys-acquisition-list-this-week/>

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## **Defence Buying 2.0: Sturdier L1 formula & more to boost 'Made in India'**

*Source: The Economic Times, Dt. 11 Feb 2026*

In a major overhaul of defence procurement rules, the government is set to tweak the age-old L1 formula to give extra credits to Indian companies and startups that focus on research and development and invest in owning intellectual property rights (IPR) rather than just obtaining technology transfers.

The draft Defence Acquisition Procedure (DAP), which will determine how the armed forces spend their \$23 billion annual capital outlay, marks a doctrinal change from 'Made in India' to 'Owned by India,' with a focus on fostering the startup ecosystem with assured orders and protection from expensive trials that had to be conducted on a 'no cost, no commitment' undertaking in the past.

As per the draft rules--the government has invited comments before they can be notified by the end of March--capital acquisitions will prioritise Indian companies retaining source codes and critical design data as well as having complete freedom for upgrades and modifications. The L1 formula--in which the lowest, technically compliant bidder would automatically be declared the winner--has been tweaked to add technical parameters as well as indigenous design.

### **Enhanced Parameters**

These had to be conducted on a 'no cost, no commitment' undertaking in the past. As per draft rules, capital acquisitions will prioritise Indian companies retaining source codes and critical design

data, as well as having complete freedom for upgrades and modifications. The L1 formula — in which the lowest, technically compliant bidder would automatically be declared the winner — has been tweaked to add technical parameters as well as indigenous design.

The government has invited comments on the draft rules before they can be notified by the end of March. Companies that can meet enhanced performance parameters (EEP), which exceed the basic technical requirements, will be given extra credits when it comes to calculating the winner. Similarly, up to 10% credit will be given to companies that meet indigenous design parameters, which will include IPRs and detailed designs.

The DAP leaves routes open for acquisition of foreign platforms but requires specific, high-level clearances for each such purchase. “Cutting edge of national defence will be maintained by procuring the critical equipment through foreign routes as well as commencing parallel development of domestic alternatives,” says the preamble to the new rules.

**'Design Powerhouse'**  
Defence procurement rules institutionalise civil-military fusion

**Commercial-off-the-shelf** drone swarms, space tech, cyber-security tools allowed

**Enable conversion** of advanced civil tech in military capability

Say rate of tech change outpaces traditional 2-3 yr acquisition cycle

Especially true of areas such as AI, quantum computing, directed energy weapons

Prioritise retention of source codes, critical design data, upgrade authority within Indian entities

### Faster & Efficient

The other major change is trimming of procurement timelines, which has tended to drag on for years in the past. As per the draft rules, procurements will be carried out 30-50% faster, with changes in approval timelines, trimming deadlines for technical approvals and cost negotiations.

<https://economictimes.indiatimes.com/news/defence/defence-buying-2-0-sturdier-l1-formula-more-to-boost-made-in-india/articleshow/128169941.cms?from=mdr>

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## Defence Secretary calls on Seychelles' Minister for Foreign Affairs & Diaspora and Chief of Defence Forces in New Delhi

*Source: Press Information Bureau, Dt. 10 Feb 2026*

Defence Secretary Shri Rajesh Kumar Singh called on Minister for Foreign Affairs and the Diaspora of the Republic of Seychelles Mr Barry Faure and Chief of Defence Forces, Seychelles Defence Forces Major General Michael Anselme Marc Rosette in New Delhi on February 10, 2026.

During the meeting, both sides reiterated their commitment to strengthening defence cooperation between the two nations. They reviewed the growing defence and security collaboration between India & Seychelles, and reaffirmed their shared commitment to enhancing bilateral engagement and contributing towards peace, stability, and security in the Indian Ocean Region.

Both sides also welcomed the upcoming joint military exercise LAMITYE - 2026 between the Indian Defence Forces and the Seychelles Defence Forces & capacity building initiatives, and agreed to further enhance the scope and depth of these engagements.

Cooperation in the field of training, hydrography, ships and aircraft visits, defence delegation visits and maritime security were also discussed. The Defence Secretary welcomed the participation of the Seychelles side in the upcoming International Fleet Review as well as the 2026 edition of exercise Milan in Visakhapatnam next week.



The two sides also discussed MAHASAGAR (Mutual and Holistic Advancement for Security and Growth Across Regions), India's vision for inclusive, cooperative, and sustainable security and growth across regions. They underscored the importance of a collaborative approach to addressing shared challenges, particularly in the maritime domain, capacity building, and development partnerships.

They deliberated upon future avenues for defence and security cooperation between India & Seychelles, with a focus on continued cooperation in capacity building through long term partnership in the modernisation of key military capabilities.

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2225915&reg=3&lang=1>

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## India showcases manufacturing prowess at World Defence Show

*Source: The Pioneer, Dt. 11 Feb 2026*

At its first-ever pavilion at the World Defence Show in Saudi Arabia, India showcased the country's manufacturing prowess as demonstrated by defence public sector undertakings and private Indian companies. Minister of State for Defence, Sanjay Seth, led an Indian delegation to the World Defence Show (WDS) 2026, held in Riyadh on February 8-9, the defence ministry said.

"He joined international dignitaries to witness the opening ceremony of WDS and inaugurated the first-ever India Pavilion at the event, which showcased India's manufacturing prowess by defence public sector undertakings (DPSUs) and private Indian companies," it said in a statement.

Seth also held discussions with the Assistant Minister of Defence for Executive Affairs, Saudi Arabia, Khaled bin Hussein Al-Biyari, aiming to enhance cooperation and engagement between the armed forces of both countries. He also met the Governor of the Saudi Arabian General Authority for Defence Development (GADD), Faleh bin Abdullah Al-Sulaiman, and highlighted India's emergence as a global export hub, the statement said. Seth visited the exhibition areas of Saudi Arabia Military Industries (SAMI) and the Saudi Ministry of Defence to review their latest indigenous technological developments.

He invited the GADD officials to visit India's research and development facilities to explore opportunities for the co-development of defence technologies, the ministry said. Seth also met with the Governor of the General Authority of Military Industries (GAMI), Saudi Arabia, Ahmed bin Abdulaziz Al-Ohali, and held discussions on the common areas of strategic cooperation and strengthening the supply chain ecosystem of both countries.

<https://dailypioneer.com/news/india-showcases-manufacturing-prowess-at-world-defence-show>

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## **Short, smart & decisive use of force better than long-drawn slugfest: CDS**

**Source: The Tribune, Dt. 11 Feb 2026**

Addressing the changed operational scenario following Operation Sindoor, Chief of Defence Staff (CDS) General Anil Chauhan on Tuesday said a smart, short and decisive use of force, should be a preferred option over a long-attrition slugfest.

He was speaking at the ongoing three-week 'Future Warfare Course' to train military officers on how technology was impacting war fighting and understand the need to align the needs of the forces with domestic production of weapons and equipment.

The CDS said that punitive, strategic and dissuasive deterrence must co-exist. He also highlighted the need to integrate older concepts with the new ones and understand the impact of geopolitics and geo-economics on modern day conflicts. He compared war in traditional domains with war in new domains, its impact and need for preparation.

Although he stressed the need for multiple response options to counter the adversary, he asserted that conventional capabilities continued to be relevant. He cited the geopolitical churn, weaponised trade and AI disruptions in the current era to explain how wars would be shaped by geo-economics, decided by technology and fought across land, cyber and cognitive domains. The CDS also exhorted the course participants to rethink deterrence and visualise.

The course saw participants from the three services, as well as representatives from the defence industry, including startups, MSMEs, defence public sector undertaking and the private industry. Among the services participants, the seniority of the officers varied from Majors to Major Generals (and their equivalents), with the junior officers bringing their technical flair and expertise and the senior officers their operational experience and strategic knowledge.

The three-week course from February 2 to February 25 is being held at the Manekshaw Centre in New Delhi. It aims to cover domain-specific warfare developments in military operations. This is the third-edition of the 'warfare course' and the first such event since Operation Sindoor when new technologies like drones were used in large numbers.

It will aim to arrive at an erudite understanding on how war fighting is being impacted by technology, necessitating a relook at thinking, concepts, doctrines and strategies. A diverse range of experts, including veterans, serving officers, ex-ambassadors, industry experts and academic professionals, will ensure that a holistic analysis of India's security challenges are debated.

Additionally, experts in subjects like critical and rare earth elements, supply chain vulnerabilities and regional and global geopolitics impinging on operations in the future, expanding the number of subjects that will need to be studied and analysed by the Defence Forces in order to plan and conduct operations in the future. It is being hosted by the Headquarters Integrated Defence Staff, under the Chief of Defence Staff, in partnership with the think tank, Centre for Joint Warfare Studies (CENJOWS).

<https://www.tribuneindia.com/news/india/short-smart-decisive-use-of-force-better-than-long-drawn-slugfest-cds/>

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## Science & Technology News

### ISRO chief calls for deeper tech partnership between India & US

*Source: The Times of India, Dt. 11 Feb 2026*

Isro chairman V Narayanan on Monday called for deeper technology partnership between India and the US, saying space must remain a shared domain that serves ordinary citizens across the world, stressing on how India's space programme was rooted more in cooperation than competition.

Speaking at the US-India Space Business Forum, organised by the US Consulate General-Chennai and the US-India Strategic Partnership Forum (USISPF), he traced the six-decade journey of India's space programme and said early US support helped shape its foundations.

Narayanan recalled that India's first sounding rocket in 1963 flew with assistance from the US and France, marking the beginning of long cooperation. The programme, he said, was never meant to compete with any nation but to bring advanced technology to the common man of India. "Today, that vision has widened to include the common man of the global community," he said.

Narayanan pointed to milestones such as the 1975 Satellite Instructional Television Experiment, enabled by US' ATS-6 satellite, he cited the joint discovery of water molecules on the Moon during Chandrayaan-1 and recent cooperation for the Nasa-Isro Synthetic Aperture Radar (Nisar) satellite.

He described the Dec 2025 launch of US commercial Bluebird Block-2 satellite as a moment of trust in Indian capability. "The 5,900-kg spacecraft, the heaviest lifted from Indian soil, was placed with less than 2km of orbital dispersion. It showed what India and the US can achieve together," he said.

Janice Starzik, Deputy Director of the US Office of Space Commerce, said the partnership had moved beyond technology to shaping markets. "We are not here just to discuss technology. We are here to build the marketplace. And there is no partnership as critical as that of the future of the

United States and India space partnerships,” she said, referring to the Trust Initiative launched last year to align cooperation in space, semiconductors and secure supply chains.

India’s space reforms and expanding private sector have opened a new chapter in commercial cooperation with the US, Space Swarnashree Rao Rajashekar, joint secretary, department of space said, urging industry on both sides to identify barriers that still slow business engagement.

Swarnashree, who’s also India co-chair of the sub-working group on space commerce under the US–India Civil Space Joint Working Group, said cooperation between the two countries had deepened sharply between 2023 and 2026, aided by India’s Space Policy 2023, the IN-SPACE regulatory framework and Washington’s push for public–private partnerships.

Looking ahead, Narayanan outlined PM Modi’s goals of building an Indian space station by 2035 and carrying out a crewed lunar mission by 2040. India would need a new generation rocket with nearly 100-tonne lift capacity, he said, arguing that such ambitions demanded wider international collaboration rather than isolated effort.

He stressed the growing role of industry and start-ups, noting that more than 450 Indian companies now contribute to missions and that 320 start-ups have entered the sector since reforms in 2020. About 75% of the budget of a launch vehicle flows to domestic industry.

Inviting American firms to invest and build in India, Narayanan said the govt framework was flexible and supportive. “We are ready to hand-hold and be partners in any programme,” he said, closing with the message that space should benefit every citizen of the globe.

<https://timesofindia.indiatimes.com/science/isro-chief-calls-for-deeper-tech-partnership-between-india-us/articleshow/128150887.cms>

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## **CSIR-NIScPR organised International Symposium on Human-Centred AI and Energy Security**

**Source: Press Information Bureau, Dt. 10 Feb 2026**

TCSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), New Delhi, organised an International Symposium on “Human-Centred AI and Sustainable Development: Holistic Pathways for Energy Security” as an official pre-summit event of the India-AI Impact Summit 2026 at Vivekananda Hall, CSIR-NIScPR, Pusa. The day-long symposium brought together leading experts from India and abroad to deliberate on people-centric artificial intelligence approaches for securing sustainable and inclusive energy futures.

The inaugural session featured a welcome address and opening remarks by Dr. Geetha Vani Rayasam, Director, CSIR-NIScPR, who set the context for the symposium. Emphasising the need for safe and trusted AI, Director, CSIR-NIScPR, said that India AI Impact Summit 2026 will be organised by the Government later this month and this international symposium is part of the official pre-summit events leading up to that conclave. She added that the aim of this symposium is to enable wide-ranging consultation and bring forth concrete ideas and solutions that may help the Government shape human-centred, safe and trusted AI frameworks for sustainable development and energy security.



The Chief Guest, Dr. Ashutosh Sharma, Former President, Indian National Science Academy (INSA) and Institute Chair Professor, Indian Institute of Technology Kanpur, delivered the inaugural address, remarked that there are both ‘lights and shadows’ of AI technologies and that society urgently needs informed discussions on human-centred AI. He emphasised that AI must be an enabler, not a replacement, creating new opportunities to serve those objectives which we were unable to serve earlier.

Dr. Nadia Asheulova, Director, Institute for the History of Science and Technology, Russian Academy of Sciences, observed that the Indian philosophical tradition has always been remarkably open to the multiplicity of forms of consciousness and intelligence, offering a rich backdrop for thinking about human-centred AI today. She underlined that both India and Russia face complex challenges in transitioning to renewable energy systems—challenges that are not merely technical, but deeply social and institutional. The real task, she noted, is not simply to develop more powerful AI systems, but to ensure that these systems serve the democratization of intelligence, expanding opportunities for creative and intellectual participation across the entire population.

Dr. Vivek Singh, Senior Adviser, NITI Aayog, addressed the gathering as Guests of Honor, noted that the rise of deep learning models underpinning large language models is a welcome development, as these technologies are rapidly becoming ubiquitous. He emphasised that India-centric data is unique and must be effectively integrated into these systems, adding that India has consciously chosen a balanced approach towards AI—one that embraces innovation while safeguarding societal interests. He reassured that reskilling and up-skilling will enable people to work alongside AI and unlock new forms of productive and meaningful employment. The session concluded with a formal vote of thanks by Dr. Kasturi Mandal of CSIR-NIScPR.

The Keynote Session on “AI-Driven Pathways to Energy Security and Sustainable Development” focused on ethical, inclusive and people-centric AI paradigms and global perspectives on AI-enabled energy transitions. Chaired by Prof. Indranil Manna, Vice Chancellor, BIT Mesra, the session included keynote interventions from Prof. Uday B. Desai, Vice-President, Indian National Academy of Engineering; Dr. K. Ramesha, Director, CSIR-CECRI, Karaikudi; and Prof. Andrey V. Rezaev, Tashkent State University of Economics, Uzbekistan, who discussed technology frontiers, systems-level challenges and collaborative opportunities in AI for energy systems.

The afternoon Technical Session on “Artificial Intelligence: Equity, Integrity, and Inclusivity”, chaired by Prof. Anirban Chakaraborti, JNU emphasised interdisciplinary research, data-driven decision-making, and responsible innovation frameworks to ensure AI technologies contribute meaningfully to society and sustainable development. Dr. Vipin Kumar, CSIR-NIScPR spoke about the opportunities and challenges of AI for energy security, highlighting the need for reliable data ecosystems and policy-aligned innovation. Dr. Lidia Borrell, Science Europe highlighted research ecosystems, international collaboration, and open science practices for AI-driven sustainability. Mr. Amit Shukla, EasyGov discussed AI in governance and public-service delivery for inclusive development. Anastasia A. Ivanova (St. Petersburg State University, Russia) on democratization of medical expertise in the age of AI, and Prof. Reeta Sony (JNU) on the legal and IPR framework for AI.

In Technical Session II on “Human-Centred AI and Sustainable Development”, chaired by Prof. Andrey V. Rezaev (Tashkent State University of Economics, Uzbekistan), the discussions turned to ethical dilemmas, energy transition and systemic risks. He also talked about human-centred approach. Dr. Natalia Tregubova (St. Petersburg State University) spoke on key considerations and ethical dilemmas of human-centred AI in promoting sustainable development, Prof. Ramesh Narayanan (IIT Delhi) addressed energy transition in the emerging paradigm of technology, Dr. Avinash Kshitij, CSIR-NIScPR analysed AI’s dual impact on energy security, outlining both opportunities for optimisation and innovation, and risks related to energy demand, infrastructure and policy readiness. Mr. Mukesh Pund, CSIR-NIScPR presented emerging AI paradigms, discussing how next-generation technologies, research ecosystems and data-driven innovation are shaping the future of artificial intelligence.

A high-level Panel Discussion on “AI pathways towards Energy Security – Opportunities and Challenges” was chaired by Dr. Akhilesh Gupta (INSA), with Dr. Naresh Kumar (CSIR-NIScPR) as Co-Chair and Dr. Alexander M. Stepanov (St. Petersburg State University) as Moderator. Panellists Dr. Charu Verma (CSIR-NIScPR), Dr. Amit Kumar (RIS), Sh. Ashutosh Maurya (NIC), Dr. Venkat Rama Reddy Kuntala (IIT Jodhpur), Dr. Valentin S. Starikov and Dr. Pavel P. Lisitsyn (both from St. Petersburg State University), Prof. Anirban Chakaraborti (JNU) and Dr. Vinayak (CSIR-NIScPR) shared multidisciplinary insights on policy, technology, institutional readiness and international cooperation to harness AI for secure and sustainable energy systems. The discussion highlighted the opportunities and challenges of integrating AI into energy systems, emphasising responsible deployment, cross-disciplinary research, and multi-stakeholder cooperation for sustainable energy transitions. The panel concluded that AI-powered solutions, supported by robust research ecosystems and aligned policies, will play a pivotal role in shaping a secure and sustainable energy future.

The Valedictory Session, chaired by Dr. Natalia Tregubova, captured the key takeaways of the day’s deliberations. Dr. Kasturi Mandal presented a succinct “Summary of Key Insights and Recommendations”, followed by Concluding Remarks by the Director, CSIR-NIScPR, emphasizing the institute’s continued commitment to advancing human-centred AI and science-informed policy for sustainable development and energy security.

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2225776&reg=3&lang=1>

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## TDB-DST signs agreement with M/s Gudlyf Mobility to support Indigenous 700 Bar Hydrogen Storage Systems

*Source: Press Information Bureau, Dt. 10 Feb 2026*

The Technology Development Board (TDB), Department of Science and Technology (DST), Government of India, has signed an agreement with M/s Gudlyf Mobility Private Limited, Madurai, Tamil Nadu, to provide financial assistance for the development and commercialization of indigenous high-pressure hydrogen storage systems based on advanced composite technologies.



Gudlyf Mobility, is a deep-tech startup, engaged in the development of next-generation 700 bar working pressure Composite Overwrapped Pressure Vessels (COPVs). The company has developed proprietary intellectual property in Type IV and Type V composite cylinder technologies, addressing critical challenges in lightweight, high-pressure hydrogen storage—an essential component of the emerging hydrogen economy.

The project supported by TDB aims at establishing an advanced manufacturing facility in Madurai for high-performance composite pressure vessels. The technology will cater to diverse strategic and commercial applications including hydrogen storage for mobility and stationary systems, unmanned aerial vehicles (UAVs), CNG and CBG storage solutions, and defence and aerospace applications. The initiative is expected to significantly reduce import dependence in high-pressure storage systems and strengthen domestic manufacturing capabilities in advanced composites.

Speaking on the occasion, Sh. Rajesh Kumar Pathak, Secretary, TDB, stated, “Hydrogen is central to India’s long-term clean energy and decarbonisation strategy. Supporting indigenous high-pressure storage technologies is critical to building a resilient hydrogen value chain within the country. TDB’s assistance to Gudlyf Mobility reflects our continued commitment to enabling commercialization of strategic deep-tech innovations that strengthen India’s energy security and advanced manufacturing ecosystem.”

Founders, Gudlyf Mobility Private Limited, said, “We are honoured to receive the support of the Technology Development Board. This partnership provides strong validation of our indigenous composite pressure vessel technology and our vision to build globally competitive hydrogen storage solutions from India. With TDB’s support, we aim to scale advanced manufacturing

capabilities in Madurai and contribute meaningfully to India's clean energy transition and strategic sectors such as defence and aerospace.”

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2225757&reg=3&lang=1>

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The Tribune  
The Statesman  
ਪੰਜਾਬ ਕੇਸਰੀ ਜਨਸੱਤਾ  
The Hindu  
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