GOVERNMENT OF INDIA DEPARTMENT OF SPACE

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Sub: Monthly Summary of Department of Space for the month of January, 2025

The key highlights of the activities of Department of Space for the month January, 2025 are as under:

- (i) Policy and other matters pending due to prolonged inter-ministerial consultations which Department want to bring to notice of Cabinet Secretary: **Nil**
- (ii) Proposals/references pending for long in the Cabinet Secretariat or the Prime Minister's Office: **Nil**
- (iii) Particulars of any case in which there has been a departure from Rules of Business: Nil
- (iv) Any other matter/significant development(s) Department feel warrants being brought to my notice:
 - The first Indian space mission PSLV-C60/SPADEX demonstrated the successful docking of two spacecrafts in orbit on January 16, 2025. With this India became the fourth country to achieve successful space docking.
 - Launch of 100th Launch vehicle mission GSLV–F15 was successfully accomplished on January 29, 2025 at 06:23 hrs from SDSC Sriharikota and the launch vehicle placed the NVS-02 spacecraft in the required orbit. This was the 17th GSLV mission and 8th operational flight with Indigenous Cryogenic Upper Stage.
 - The Union Cabinet of the Government of India accorded the approval for the establishment of the Third Launch Pad (TLP) at Satish Dhawan Space Centre of ISRO at Sriharikota, Andhra Pradesh.
 - ISRO successfully carried out the demonstration of restarting its Vikas liquid engine on January 17, 2025 at its engine test facility at ISRO Propulsion Complex, Mahendragiri. This test marks a milestone in the development of technologies for recovery of stages, leading to reusability in future launch vehicles.
 - Integration activities of the L110 stage required for the third commercial mission of LVM3 i.e., LVM3-M5 mission completed and dispatched from IPRC, Mahendragiri to SDSC, Sriharikota on January 17, 2025 for further activities.
 - The integration activities of the liquid propulsion system to the Crew Module identified for the first uncrewed mission of Gaganyaan (G1) was successfully completed on January 21, 2025. The Crew Module Uprighting System (CMUS) was also integrated to this module.
 - The maiden set of the scientific data from the country's first dedicated Solar Observatory Aditya L1 was released to the global scientific community, on January 6, 2025 at a function conducted at ISRO Headquarters, Bengaluru. About 2.6 TB data is made available to public. In this connection, a national

meet was also organized to apprise the solar science community on the finalised scientific payload performance of Aditya-L1.

- Inputs were provided for disaster management aiding various Indian States and Sentinel Asia. Earth observation associated support extended for various national and state level projects under Ministries and State governments.
- The third edition of the Space science and Technology Awareness Training (START-2025) was inaugurated by Chairman, ISRO / Secretary, DOS. A series of online lectures on the theme "Future of India's Space Exploration" was attended by 20743 participants from 562 institutes.
- Bharat Mobility Global Expo (BMGE) 2025: ISRO along with IN-SPACe participated in BMGE-2025 held at Yashobhoomi, New Delhi from January 18 21, 2025. ISRO exhibited 42 space technologies including imaging sensors, pressure sensors, gyroscopes, insulation coatings etc., with potential applications in the automotive sector. VSSC, LPSC, URSC and IISU teams from ISRO and IN-SPACe presented the features and probable areas of application of these technologies in automotive industry at a special session.

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