

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

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Sub: Monthly Summary of Department of Space for the month of December, 2024

- (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:

➤ Launches accomplished:

- a. The PSLV-C60/SPADEX mission launched on December 30, 2024, is the first Indian space mission that will demonstrate the docking of two spacecraft in orbit.
 - b. PSLV-C59/Proba-3 Mission accomplished on December 05, 2024, is a dual satellite space science mission under a commercial agreement between NSIL and European Space Agency (ESA).
- The launch campaign activities for the first uncrewed Gaganyaan mission (HLVM3-G1/OM-1) commenced on December 18, 2024 and the activities are in progress at SDSC, Sriharikota.
- Successfully completed test of full nozzle cryogenic engine (CE20) for duration of 200 seconds outside vacuum chamber in preparation for re-ignition in orbit.
- The first restart demonstration test of ISRO's workhorse Vikas Engine was successfully accomplished at the engine test facility at IPRC, Mahendragiri, on December 23, 2024.
- **Space Commission meeting:** The 154th meeting of Space Commission was held on 20th December, 2024. Major approvals include the following:
- a. Mars Lander Mission (MLM): Towards landing of an Indian spacecraft on Martian surface was approved to seek Cabinet approval.
 - b. Transfer of In-Orbit assets (High Throughput Satellites along with Ground Segment) to NSIL in line with the mandate given by Cabinet.
 - c. Technology Adoption Fund (TAF) scheme by INSPACe for promoting the Indian Enterprises towards commercialization of early stage technologies.
 - d. Establishment of Common Technical Facilities at Space Manufacturing Clusters in qualified States across India so as to reduce entry barriers to non-governmental entities.

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- The 12th Meeting of the Society of NESAC was held on 21st December, 2024 at Agartala, Tripura, which was presided over by the Hon'ble Union Home Minister Shri Amit Shah.
- Supported for disaster management for forest fire, landslides etc. for various Indian states and Sentinel Asia. Earth observation associated support extended for various national and state level projects under Ministries and State governments.
- The RESPOND Basket 2024 was released by Secretary, DOS/ Chairman, ISRO on ISRO Academia Day-2024 organised at IIST on December 10, 2024.
- Three documents of cooperation were entered with (1) European Space Agency (ESA) for ground station support for Gaganyaan missions, (ii) NASA for hypervelocity impact testing, and (iii) ESA for human space flight cooperation were signed during December 2024.

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