

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

\* \* \*

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

- (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:
  - DOS/ISRO, on February 7, 2025, successfully carried out the ignition trial of the CE20 cryogenic engine powering the upper stage of LVM3, with a Multi-element igniter under vacuum conditions, which simulates the engine ignition in the vacuum condition of space.
  - Structural qualification test of the Isrosene tank required for the Semi cryogenic SC120 stage was successfully completed on February 11, 2025 at Structural test facility, IPRC.
  - DOS/ISRO successfully carried out the third restart demonstration test of Vikas liquid engine on February 10, 2025 at its engine test facility at ISRO Propulsion Complex, Mahendragiri.
  - The Pre-Shipment Review of ISRO- NASA Joint Mission (NISAR), was held on February 07, 2025 at URSC with the participation of NASA/JPL officials and discussed the readiness status of NISAR. Two ISRO officials participated in the Key Decision Point Review meeting on NISAR readiness at NASA Headquarters review meeting (KDP-E) of NISAR on February 20, 2025 and presented the key outcomes.
  - Dr Jitendra Singh, Honourable Minister of State for Space had a meeting with Mr. Andrius Kubilius, European Commissioner for Defense and Space on February 28, 2025 at New Delhi. Secretary, DOS/ Chairman, ISRO presented India's achievements in space and opportunities for EU to collaborate. Subsequently, MEA informed that an India – EU Space Dialogue will be launched soon.
  - Department facilitated examination of Demand for Grants by the Department related Parliamentary Standing Committee (PSC) on S & T, Environment, Forests and Climate Change through furnishing of background note and replies for set of questionnaires. Subsequently, Department made a presentation on activities, achievements and budget aspects to the PSC on February 20, 2025.

...2/-

- Solar Ultra-Violet Imaging Telescope (SUIT) onboard Aditya L1 captured a solar flare 'kernel' for the first time. This observation and associated scientific results marks a major step in understanding the Sun's explosive activity and its impact on Earth.
- As part of Geospatial support for Proactive Governance and Timely Implementation (PRAGATI), 14 Geospatial layers pertaining to seven projects were generated and the information was shared with the concerned officials.
- Technical discussion held with GPS team from USA to coordinate compatibility of signals between NavIC and GPS constellations.
- Human rating certification completed by Human Rating Certification Board (HRCB) for Emergency Survival Kit (ESK), Food and Stowage Container, Dosimeter (PERDAA and passive Dosimeter) which was delivered by DRDO for Gaganyaan G1 mission.
- A five member ISRO delegation led by Director, NRSC participated in the 62<sup>nd</sup> session of Scientific and Technical Sub Committee of UNCOPUOS at Vienna during February 3-14, 2025 and made national statements under the different agenda items.
- Around 2500 research project proposals are received from academic institutions against 158 streams in the RESPOND Basket. Under RESPOND, 22 New Projects and six ongoing projects were approved.
- DOS/ISRO set up a dedicated pavilion at the Aero India 2025 event, held at Yelahanka Air Force Station, Bengaluru from February 10 to 14, 2025. The pavilion showcased models of ISRO's launch vehicles along with representations of newly approved projects, including Chandrayaan-4 and the Next Generation Launch Vehicle (NGLV).
- IN-SPACe Provided hands-on training to 30 students from K.J. Somaiya School of Engineering/K.J. Somaiya Institute of Technology, as part of Immersion program, at the IN-SPACe Technical Centre, Ahmedabad.