

Annexure referred to in reply to part (e) of the Rajya Sabha Starred Question No. 120 for answer on 05.12.2024.

Annexure-1

Significant achievements of ISRO from 2021 to till date

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- PSLV-C52 successfully launched EOS-04 satellite (RISAT-1A) in Feb-2022 along with two small satellites a student satellite (INSPIRESat-1) from Indian Institute of Space Science & Technology (IIST) and a technology demonstrator satellite (INS-2TD) from ISRO, which is a precursor to India-Bhutan Joint Satellite (INS-2B).
- 'ISRO System for Safe & Sustained Operations Management (IS4OM) was dedicated to the nation in Jul-2022.
- LVM3 M2/OneWeb India-1 & LVM3 M3/OneWeb India-2 Missions were successfully accomplished in October 2022 & March 2023 respectively, exemplifying Atmanirbharata and enhances India's competitive edge in the global commercial launch service market.
- PSLV-C54 successfully launched EOS-06 satellite (Oceansat-3) in Nov-2022 along with Eight Nano-satellites including INDIA-BHUTAN SAT (INS-2B).
- First successful mission of SSLV-D2 was accomplished in Feb- 2023 by injecting three satellites into precious orbit.
- Reusable Launch Vehicle Autonomous Landing Experiments (RLV-LEX) were successfully conducted thrice at the Aeronautical Test Range (ATR), Chitradurga, Karnataka during 2023-24.
- GSLV-F12/NVS-01 mission was successfully accomplished in May, 2023. GSLV deployed the NVS-01 navigation satellite, the first of the second-generation navigation satellites.
- **Chandrayaan-3:** LVM3-M4 successfully launched the Chandrayaan-3 Spacecraft on 14th July, 2023. Successfully accomplished safe & soft-landing of Vikram Lander at 'Shiv Shakti' point (Statio Shiv Shakti) & deployment of Pragyaan Rover on the lunar surface on August 23, 2023
- Aditya-L1 was successfully launched in Sep-2023 using PSLV-C57. Spacecraft placing at Sun-Earth Lagrangian point (L1) i.e. Halo-Orbit Insertion (HOI) was successfully accomplished on January 6, 2024.

- PSLV-C58/XPOSAT mission was successfully accomplished in Jan-2024.
- GSLV F14/ INSAT-3DS mission (fully funded by MoES) was successfully accomplished in February 2024.
- Successfully carried out the second experimental flight ATV-D03/DFS for the demonstration of Air Breathing Propulsion Technology in July 2024.
- The third developmental flight of SSLV is successful. The SSLV-D3 placed EOS-08 precisely into the orbit in August 2024.
- GSAT-N2 was successfully accomplished in November 2024.