

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 621

TO BE ANSWERED ON THURSDAY, NOVEMBER 07, 2023

SPACE PROGRAMMES AND MISSIONS IN 2024

621. DR. K. LAXMAN:

Will the PRIME MINISTER be pleased to state:

- (a) the details of country's space programmes and missions to be launched in the year 2024;
- (b) the details of the number of Indian Space startups and companies which are working for the development of the space sector;
- (c) whether any incentives are being provided by Government to help them; and
- (d) if so, the details thereof and impact of the same?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES
& PENSIONS AND IN THE PRIME MINISTER'S OFFICE**

(DR. JITENDRA SINGH):

- (a) In 2024, the following space missions are planned by the Department:
 - 1) Six PSLV missions including two missions to launch a space science satellite and an Earth observation satellite, two technology demonstration missions and two commercial missions by NewSpace India Limited (NSIL).
 - 2) Three GSLV missions to launch a meteorology satellite, a Navigation satellite and a joint NASA-ISRO Synthetic Aperture Radar satellite.
 - 3) One LVM3 commercial mission by NewSpace India Limited (NSIL).
 - 4) Two unmanned missions under the Gaganyaan programme to validate the human rated launch vehicle and the orbital module in actual flight. In addition, multiple sub-orbital missions using a Test Vehicle (TV) are also planned to validate the Gaganyaan Crew Escape System under various abort conditions.

- 5) One mission of SSLV, which is the third developmental flight that will also launch a technology demonstration satellite.
- 6) Two autonomous runway landing experiments of winged body Reusable Launch Vehicle (RLV).
- 7) GSAT 20 communication satellite mission by NewSpace India Limited (NSIL) through a procured launch under a commercial contract

(b) The total number of startups and companies who have provided their capabilities on IN-SPACe digital platform for space sector as on November, 2023 is 523. Out of which 297 have submitted application to IN-SPACe seeking support from ISRO for R &D and testing.

(c) & (d)

With the unlocking of the space sector for the private sector by the Government, following support activities are provided to the private sector: -

1. Providing mentorship as well as ISRO facility utilization support.
2. Technology Transfer to NGEs.
3. IN-SPACe Seed fund support to startups to transform novel idea into a prototype development.
4. IN-SPACe Price support for NGEs for utilization of ISRO's facility.
5. Creation of IN-SPACe digital platform to connect all the stack holders of space eco system.
6. Established IN-SPACe Design Lab, where startups can use high end simulation software for design and analysis of critical space systems/subsystems.
7. Skill development in for emerging space technology area
8. Proposed Investment Incentive Scheme in Space Sector/Sub-sector

Impact of the incentives provided are as follows:

- The number of Space startups have gone up to 200+ in 2023.
- The investment in Indian Space Startups has increased to \$ 124.7 Million.
- The sub-orbital launch of Rocket Vikram -S was undertaken successfully by M/s. Skyroot Aerospace Private Ltd., Hyderabad.
