

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 2212

TO BE ANSWERED ON THURSDAY, DECEMBER 21, 2023

INDIA'S SPACE PROGRAMME

2212. SHRI BABUBHAI JESANGBHAI DESAI:

Will the PRIME MINISTER be pleased to state:

- (a) the status of India's space programme, including recent achievements and upcoming missions;
- (b) the steps being taken by Government to strengthen India's position in the global space market and attract international satellite launch contracts;
- (c) the investments being made in space research and development to promote scientific advancements; and
- (d) the manner in which Government is addressing the challenges of space security, including cyber security threats to satellites and space assets?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC
GRIEVANCES & PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(DR. JITENDRA SINGH):**

- (a) India's space programme is witnessing progressive developments across all domains of space activities viz. space transportation, space infrastructure, satellite applications and human spaceflight.

Major recent achievements include the successful soft landing on the moon [Chandrayaan-3], mission for solar observation [Aditya L-1], progress with regard to

Gaganyaan Programme and increasing participation of private entities in end-to-end space activities.

Major upcoming missions include the X-Ray Polarimeter Satellite (XPoSAT), NASA-ISRO Synthetic Aperture Radar (NISAR) and INSAT-3DS (a meteorological satellite).

- (b) The NewSpace India Limited [NSIL], a Public Sector Enterprise under Department of Space, has been offering commercial satellite launch services on international market through launch vehicles of ISRO. Further, the Indian Space Policy 2023 has opened up the sector for enhanced participation of private sector, which is expected to further strengthen India's share in global space economy.
- (c) Government has been funding various R&D programs in the domain of space science, technology and applications, through ISRO as the national space agency.

Further, private sector investments are also being encouraged in this sector with the advent of Indian Space Policy – 2023, which envisages private sector to take up end-to-end activities in space domain.

- (d) ISRO had taken steps towards enhancing security features on space assets through encryption of the Payload data and making Telemetry & telecommand encryption, as a standard practice for all spacecraft. Further, to tackle the challenges of space debris, the ISRO System for Safe & Sustainable Space Operations [IS⁴OM] has been set up.
