

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

LOK SABHA

UNSTARRED QUESTION NO. 1433

TO BE ANSWERED ON WEDNESDAY, JULY 31, 2024

SUPPORT TO SPACE TECHNOLOGY START-UPS

1433. MS. S JOTHIMANI:

Will the PRIME MINISTER be pleased to state:

- (a) the details of the number of private start-ups related to space tech services in India currently;**
- (b) whether there is any proposal of a Public Private Partnership (PPP) for the advancement of space technology;**
- (c) if so, the details thereof and if not, the reasons therefor;**
- (d) whether any space technology start-up has approached ISRO for their operations and ventures and if so, the details thereof;
and**
- (e) whether the Union Government has any concrete plan to develop a policy in order to enhance support to such start-ups?**

ANSWER

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

(DR. JITENDRA SINGH):

(a) As on date a total of 229 space start-ups have registered under space technology category compared to just 01 (one) in 2014

(b) & (c)

Yes Sir, the Space Commission has approved the framework to realize Earth Observation (EO) satellite constellations by NGEs under PPP model in its 152nd meeting. NSIL has floated a proposal for launch vehicle production in PPP model.

(d) Following the sectoral reforms, the Indian Space arena is witnessing a rapid growth of start-ups and private firms. ISRO, towards facilitating a vibrant space ecosystem in India, has been extending its technical support, sharing its expertise and facility utilisation through IN-SPACE. Its support for a recent suborbital mission 'Agnibaan SOrTeD', conducted by M/s Agnikul Cosmos, an Indian start-up showcases the willingness of the organisation to support and nurture private startups in India's space sector. Similarly, with an ample technical support from ISRO, M/s Skyrroot Aerospace successfully launched a maiden sub-orbital flight ('Vikram-S') last year. In addition to above, ISRO has been extending technical supports to several space start-ups involved in launch vehicle building, satellite development, space applications and ground systems.

(e) Yes Sir, the following major initiatives have been taken by the government to encourage more entrepreneurs to enter the space Tech sector and contribute to Indian space economy

- **The space sector has been liberalised and private sector allowed to carry out end to end space activities.**
- **Indian National Space Promotion and Authorization Centre (IN-SPACe) was created in Department of Space for promoting, authorising and overseeing the activities of non-government entities (NGEs) in Space Sector.**
- **The Indian Space Policy — 2023 has been formulated by the Government to provide regulatory certainty to space activities by various stakeholders, in order to create a thriving space ecosystem.**
- **In order to ease access to foreign capital by Indian NGEs, IN-SPACe along with Department of Space has brought out revised FDI policy for Space Sector.**
- **IN-SPACe has conceptualized and launched "IN-SPACe Pre-Incubation Entrepreneurship (PIE) Development Program". This program will not only help to transform the idea into a prototype but also help in the development of entrepreneurs and allied business skills.**
- **Various schemes to encourage and hand hold private sector also announced and implemented by IN-SPACe, i.e., Seed fund Scheme, Pricing Support Policy, Mentorship support, Design Lab for NGEs, Skill Development in Space Sector, ISRO facility utilisation support, Technology Transfer to NGEs, creation of IN-SPACe Digital Platform to connect all the stakeholders of space ecosystem etc.**

- **Decadal vision and strategy for Indian space economy is also announced by IN-SPACe, which shall increase the share of India in overall space economy.**
- **IN-SPACe has been driving international outreach activities in terms of collaborations and partnerships with international space organizations and companies for various business and investment opportunities.**
- **IN-SPACe is encouraging Indian industry to take up the local manufacturing of the cost effective ground system for communication services.**
- **IN-SPACe has been encouraging state governments, for setting up of dedicated end-to-end manufacturing clusters for Space system products and components.**
