

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

LOK SABHA

UNSTARRED QUESTION NO. 449

TO BE ANSWERED ON WEDNESDAY, FEBRUARY 03, 2021

SPACE ACTIVITIES IN INDIA

449. SMT. SAJDA AHMED:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has enabled private players to undertake space activities in India;**
- (b) if so, the details thereof during the last two years;**
- (c) whether the Indian Space Research Organization (ISRO) has proposed to transfer space technologies to the Private entities; and**
- (d) if so, the details thereof and the time by which India's first human space flight mission Gaganyaan is likely to be launched?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &

PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) Yes Sir.**
- (b) Government has created a National Level Autonomous Nodal Agency namely Indian National Space Promotion and Authorization Centre (IN-SPACe) under DOS as the enabling**

mechanism for private players to carry out Space Activities. Till now, Department of Space has been approached by 26 Indian private industries seeking support for their space activities, spanning across the complete spectrum of space activities including developing launcher, building satellites, developing applications, establishing ground infrastructure. Department of Space is extending every possible support to all the Indian industries in their space activities, including technical guidance, reviews, facility sharing, launch support etc.

- (c) Yes, ISRO has got a structured technology transfer mechanism to transfer the identified technologies developed by ISRO for spin-off and other commercial applications on non-exclusive basis. The commercialization will be done by NSIL, the commercial arm of DOS. So far around 363 technologies have been transferred to more than 235 industries. Some of the popular technologies are Li-ion, NavIC receiver, Distress alert transmitter, sensor, special materials, coatings, etc.**
- (d) The first manned mission of Gaganyaan is planned after two unmanned flights, and the first unmanned flight is scheduled by December 2021.**

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