

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

**LOK SABHA  
UNSTARRED QUESTION NO.3541**

**TO BE ANSWERED ON WEDNESDAY, DECEMBER 7, 2016**

**REUSABLE LAUNCH VEHICLE**

**3541. SHRIMATI MEENAKASHI LEKHI:**

**Will the PRIME MINISTER be pleased to state:**

- (a) whether the Indian Space Research Organisation is planning to launch reusable vehicle namely the Reusable Launch Vehicle Technology Demonstrator (RLVTD) in near future; and**
- (b) if so, the details thereof?**

**ANSWER**

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

**(DR. JITENDRA SINGH):**

**(a) & (b)**

**ISRO has successfully carried out the first experimental mission of Reusable Launch Vehicle – Technology Demonstrator (RLV-TD), on May 23, 2016 from Satish Dhawan Space Centre, Sriharikota. In this mission, critical technologies such as autonomous navigation, guidance &**

**control and reusable thermal protection system have been successfully demonstrated.**

**The Development of Reusable Launch Vehicle is a technical challenge and it involves the development of many cutting edge technologies. Presently, it is in the preliminary stage of total developmental process. A series of technology demonstration missions would be required before it is made operational.**

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