

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

**LOK SABHA**

**UNSTARRED QUESTION NO. 216**

**TO BE ANSWERED ON WEDNESDAY, FEBRUARY 02, 2022**

**SPACE DEBRIS**

**216. SHRI PINAKI MISRA:**

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

- (a) whether the ISRO has identified the number and details of space debris created by anti-satellite weapon test conducted by Russia on November 15, 2021;**
- (b) if so, the details thereof;**
- (c) whether the tests conducted by Russia has posed risks to civilian space programmes or space situational awareness for satellites of India and led to change of their time or path; and**
- (d) if so, the details about those risks and change of the already fixed plan/path including the timeline?**

**ANSWER**

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

**(DR. JITENDRA SINGH):**

- (a) Yes Sir. Currently, ISRO uses information from the public domain for data, specifically SpaceTrack website of USSPACECOM, to**

**identify the number and details of space debris created by anti-satellite weapon test conducted by Russia.**

**(b) The Russian anti-satellite test created 1251 pieces of trackable debris at an altitude of 450-500 km as reported by SpaceTrack. As of today there are 1142 catalogued objects still in orbit whereas the remaining 109 have decayed.**

**(c) & (d)**

**Anti-satellite weapon tests and fragmentation events in space, pose threat to satellites. As of now there are no threats identified due to the Russian fragments to India space assets and no collision avoidance maneuvers were planned to avoid collisions threats from these fragments.**

**\*\*\*\***