

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

**LOK SABHA  
UNSTARRED QUESTION NO.474**

**TO BE ANSWERED ON WEDNESDAY, FEBRUARY 06, 2019**

**OPERATIONALISATION OF GSLV**

**474. SHRIMATI PRATYUSHA RAJESHWARI SINGH:**

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

- (a) whether the Government has taken steps to expedite operationalising of the Geostationary Satellite Launch Vehicle (GSLV) by rectifying the snags noticed in earlier launches;**
- (b) if so, the details thereof;**
- (c) whether the Government has any plans to utilise the GSLV for commercial space launches; and**
- (d) if so, the details thereof and the steps taken by the Government in this regard?**

**ANSWER**

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

- (a) Yes, Madam.**
- (b) Indian Space Research Organisation (ISRO) has carried out the the rectifications, modifications and improvements in the Geostationary Satellite Launch Vehicle (GSLV), based on the recommendations made by the failure analysis committees. These include change of bearing housing material, revision of**

**tolerances and seal clearances of Fuel Booster Turbo Pump of Cryogenic Engine, redesign of the Cryogenic Stage Lower Shroud, revision of connector mounting scheme, wire tunnel configuration and independent inspection & quality checks for all critical components and sub-assemblies. Subsequently, GSLV-D5 with indigenous cryogenic stage was successfully launched on 05<sup>th</sup> January 2014 from Satish Dhawan Space Centre, Sriharikota. After this flight, GSLV with indigenous cryogenic upper stage demonstrated its reliability through five more consecutively successful launches till date.**

**(c) Yes, Madam.**

**(d) Antrix Corporation Limited, the commercial arm of the Department of Space, is exploring the possibility of clinching commercial launch service contract using Geostationary Satellite Launch Vehicle (GSLV).**

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