

**GOVERNMENT OF INDIA  
SPACE  
LOK SABHA**

UNSTARRED QUESTION NO:2060  
ANSWERED ON:23.07.2014  
GSLV PROJECT  
Rajesh Shri M. B.

**Will the Minister of SPACE be pleased to state:**

- (a) the current status of ISRO's GSLV Project;
- (b) whether the Government has inquired into the cases of Geosynchronous Satellite Launch Vehicle (GSLV) launch failure;
- (c) if so, the details thereof; and
- (d) the measure taken by ISRO to incorporate the suggestions made by the failure analysis committee?

**Answer**

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

- (a) The GSLV project has successfully launched GSLV-D5 flight with indigenous Cryogenic engine and stage on 5th January 2014 from Satish Dhawan Space Centre, Sriharikota and is currently preparing for the next flight GSLV namely, GSLV-D6.
- (b) Yes Madam.
- (c) The GSLV-F02, GSLV-D3 and GSLV-F06 flights could not accomplish the mission objectives. Subsequently, failure analysis committees were formed to (a) carry out in-depth analysis of the flight performance and identify causes for the failure, and (b) recommend corrective measures and future course of action on the GSLV Vehicle. The failure analysis committees have submitted their recommendations.
- (d) Based on the suggestions made by the failure analysis committees, ISRO has implemented the modifications and improvements in GSLV, which include independent inspection and quality checks for all critical components and sub-assemblies, 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 and wire tunnel configuration.