

**GOVERNMENT OF INDIA  
SPACE  
LOK SABHA**

STARRED QUESTION NO:58  
ANSWERED ON:26.11.2014  
OPERATIONALISATION OF GSLV  
Jaiswal Dr. Sanjay

**Will the Minister of SPACE 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) to (d) A statement is laid on the Table of the House.

STATEMENT LAID ON THE TABLE OF THE LOK SABHA IN REPLY TO STARRED QUESTION NO.58 REGARDING "OPERATIONALISATION OF GSLV" ASKED BY DR. SANJAY JAISWAL FOR ANSWER ON WEDNESDAY, NOVEMBER 26, 2014.

- (a) Yes, Madam.

(b) Indian Space Research Organisation (ISRO) has implemented 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 05th January 2014 from Satish Dhawan Space Centre, Sriharikota. The preparation for the next flight of GSLV i.e. GSLV-D6 with indigenous cryogenic stage is in progress. Successful flight of GSLV-D6 will lead to operationalising of the Geostationary Satellite Launch Vehicle with indigenous cryogenic stage.

- (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). Steps have been taken to actively pursue the potential customers, marketing the capability and advantages of GSLV in various international forums to secure launch opportunity on commercial basis.