

**GOVERNMENT OF INDIA  
SPACE  
LOK SABHA**

UNSTARRED QUESTION NO:1705  
ANSWERED ON:04.08.2010  
CRYOGENIC LAUNCH VEHICLE  
Lagadapati Shri Rajagopal;Panda Shri Prabodh

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

- (a) whether India has recently tried cryogenic launch vehicle to send its satellites into space that ended in failure;
- (b) if so, the details thereof;
- (c) whether any enquiry has been conducted into the failure;
- (d) if so, the details thereof;
- (e) whether the Government has decided any next flight of the launch vehicle after rectifying the defects determined through the enquiry; and
- (f) if so, the details thereof?

**Answer**

MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS, MINISTRY OF PARLIAMENTARY AFFAIRS , MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTRY OF EARTH SCIENCES (SHRI PRITHVIRAJ CHAVAN):

- (a) Yes, Sir.
- (b) India has conducted the flight test of the first indigenous Cryogenic Upper Stage in the Geosynchronous Satellite Launch Vehicle GSLV-D3 on April 15, 2010. The flight test was not successful.
- (c) Yes, Sir.
- (d) A two-tier process of Failure Analysis and Review of the flight by
  - (i) the Failure Analysis Committee (FAC) comprising multi-disciplinary experts, and
  - (ii) a National Group of Eminent Experts has brought out that the primary cause of the failure is due to the anomalous stopping of the Fuel Booster Turbo Pump of the indigenous Cryogenic Upper Stage.
- (e) Yes, Sir.
- (f) The next flight of the launch vehicle after rectifying the defects is expected in about one year's time.