

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

**LOK SABHA
UNSTARRED QUESTION NO.1432**

TO BE ANSWERED ON WEDNESDAY, DECEMBER 27, 2017

LAUNCH OF IRNSS-1H

1432. ADV. JOICE GEORGE:

Will the PRIME MINISTER be pleased to state:

- (a) whether the launch of ISRO's eight navigation satellite IRNSS-1H on board of PSLV-C39 recently was unsuccessful;**
- (b) if so, the details thereof and the reasons therefor;**
- (c) whether ISRO has been facing numerous such failures in recent years; and**
- (d) if so, the details thereof?**

ANSWER

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

(DR. JITENDRA SINGH):

- (a) Yes, Madam. The launch of the IRNSS-1H navigation satellite by the Polar Satellite Launch Vehicle on August 31, 2017 (PSLV-C39/IRNSS-1H Mission) was unsuccessful.**
- (b) The cause of the failure was understood after analysing the various flight and ground test data in more detail. The cause for the malfunctioning was the non-initiation of detonation in the vertical jettisoning system.**

Towards enhancing the robustness of the jettisoning system, changes have been incorporated in the vertical jettisoning system of the Payload Fairing, and has been validated through extensive simulations including the full scale Payload Fairing separation test.

(c) & (d)

No, Madam. In the last seven years there were 29 successful launches. The previous launch failure was in December 2010, when the Geosynchronous Satellite Launch Vehicle (GSLV-F06) failed to place the GSAT-5P communication satellite in orbit. Since January 2011, 23 PSLV, 4 GSLV and 2 GSLV Mk-III has been launched successfully.
