

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:125
ANSWERED ON:24.02.2016
Launch of IRNSS-1E
Satav Shri Rajeev Shankarrao

Will the Minister of SPACE be pleased to state:

- (a) whether Indian Space Research Organisation (ISRO) has launched the fifth (IRNSS-1E) navigation satellite in the Indian Regional Navigation Satellite system;
- (b) if so, the details thereof;
- (c) the time by which this navigation system will be fully operational;
- (d) whether some countries have shown interest for cooperation in developing satellite navigation system; and
- (e) if so, the details thereof and the response of the Government thereto?

Answer

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

(a) Yes Madam.

(b) IRNSS-1E, the fifth navigation satellite in IRNSS constellation of 7 satellites, was successfully launched onboard Polar Satellite Launch Vehicle 'PSLV-C31' on January 20, 2016 from Satish Dhawan Space Centre SHAR, Sriharikota.

(c) The space segment comprising of 7 navigation satellites will be in place by first half of 2016.

(d)&(e) The discussions with Russia are underway to locate suitable Ground support system for enhancing the utility of navigation.
