

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

**LOK SABHA
UNSTARRED QUESTION NO. 662**

TO BE ANSWERED ON WEDNESDAY, DECEMBER 02, 2015

SATELLITE NAVIGATION SYSTEM

662. SHRIMATI V. SATHYA BAMA:

SHRI S.P. MUDDAHANUME GOWDA:

Will the PRIME MINISTER be pleased to state:

- (a) whether Indian Space Research Organisation (ISRO) has unveiled plans to gradually make its regional satellite navigation system global and if so, the details thereof;**
- (b) whether four of the seven Indian Regional Navigation Satellite System (IRNSS) satellites are in orbit and the last three spacecraft would be added in orbit by March, 2016 and if so, the details thereof;**
- (c) whether it is true that the IRNSS would provide self reliance in the 207 strategically important area of position related information and if so, the details thereof; and**
- (d) whether the ISRO is now focusing on completing the regional constellation and extending it to SAARC countries and 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) No Madam.**
- (b) Yes Madam. Four of the seven satellites in IRNSS constellation (IRNSS-1A, 1B, 1C, and 1D) are in orbit. Remaining three**

satellites (IRNSS-1E, 1F and 1G) are targeted for launch during January 2016 to March 2016.

- (c) Yes Madam. Self reliance in the strategically important area of position related information will be achieved with the use of indigenously built constellation of seven IRNSS satellites and a network of required ground segment.**
- (d) The IRNSS constellation is planned to be completed by March 31, 2016. By design, the service area of IRNSS constellation encompasses the SAARC countries. Like GPS, the Standard Positioning Services of IRNSS is made available to all the users. The SAARC member countries, therefore, can adopt the IRNSS system for the navigational services.**
