

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:1384
ANSWERED ON:04.03.2015
IRNSS
Raajhaa Shri Anwhar

Will the Minister of SPACE be pleased to state:

- (a) whether the Government is in the process of setting up its own satellite navigation technology i.e. Indian Regional Navigation Satellite System (IRNSS) both for civilian and military application;
- (b) if so, the details thereof; and
- (c) the current status of the project?

Answer

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

- a) Yes, Madam. Indian Space Research Organisation (ISRO) is setting up Indian Regional Navigation Satellite System (IRNSS) to provide positioning and navigational services in Indian mainland and surrounding region up to 1500 Km.
- b) IRNSS consists of seven satellites in a constellation, three satellites in geostationary orbit and four satellites in geosynchronous orbit. The objective of IRNSS is to provide positioning services over Indian region with an absolute position accuracy of better than 20 metres. IRNSS provides two services namely Standard Positioning Service (SPS) for Civilian users and Restricted Service (RS) for strategic users.
- c) Out of the 7 satellites required in the constellation, three satellites namely, IRNSS-1A, 1B & 1C have already been successfully placed in the orbit. The fourth satellite IRNSS-1D is scheduled for launch during March 2015. The work on remaining three satellites is in progress. The associated ground segment for maintaining the satellites in orbit, monitoring the constellation status, correction of the orbital parameters and navigation data uploading is in place