

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:1955
ANSWERED ON:05.12.2012
LAUNCH OF METEOROLOGICAL SATELLITE
Antony Shri Anto

Will the Minister of SPACE be pleased to state:

- (a) whether the Indian Space Research Organisation (ISRO) is planning to launch a meteorological satellite called INSAT-3D to monitor climatic conditions;
- (b) if so, the details thereof along with the salient features of the satellite INSAT-3D;
- (c) the amount spent for the project so far and its present status; and
- (d) the time frame for the completion of the project?

Answer

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE(SHRI V. NARAYANASAMY):

- (a) Yes, Sir. Indian Space Research Organization (ISRO) is planning to launch a state-of-the-art meteorological satellite, INSAT-3D. The data obtained from this satellite along with ground based observations would help to derive information about climatic conditions.
- (b) INSAT-3D will carry two instruments namely
 - (i) Six channel Imager having one visible and five infrared channels; and
 - (ii) Nineteen channel Sounder having one visible and eighteen infrared channels. The Imager will generate images of the earth and provide information on various parameters viz., outgoing long-wave radiation, quantitative precipitation estimation, sea surface temperature, snow cover, cloud motion winds, etc. The Sounder will provide information on various meteorological parameters viz., vertical profiles of humidity and temperature, total precipitable water, etc. The satellite mass will be around 2100 Kg. The satellite shall be operated primarily from 82°E longitude in geostationary orbit.
- (c) A sum of `225 Crore (approx.) has been spent, so far, for building the INSAT-3D satellite. For procuring launch services for INSAT-3D, a sum of `221 Crore has been spent so far towards 50% advance payment. All the subsystem packages and the payload elements (Imager & Sounder and related electronics) have been assembled. The electrical and thermal tests of the assembled satellite have been completed. Presently, the satellite is in advanced stage of readiness.
- (d) The satellite is planned to be launched by procured launcher during third quarter of 2013.