

**Earth observation satellite RISAT-2B**

1531. DR. T. SUBBARAMI REDDY:

SHRIMATI AMBIKA SONI:

Will the PRIME MINISTER be pleased to state:

- (a) whether Government has successfully put into orbit earth observation satellite RISAT-2B, that can penetrate clouds and enhance surveillance capabilities;
- (b) if so, the details thereof;
- (c) whether it could take images of earth during night also;
- (d) the areas of applications of the satellite and whether it includes agriculture and disaster management support; and
- (e) if so, the details thereof?

THE MINISTER OF STATE IN THE DEPARTMENT OF SPACE (DR. JITENDRA SINGH): (a) Yes, Sir.

(b) and (c) RISAT-2B is an indigenously developed Synthetic Aperture Radar (SAR) Imaging Satellite operating in the X-band. The highly agile satellite is capable of operating in different modes including Very High Resolution RADAR imaging modes of 1m x 0.5m resolution and 0.5m x 0.3m resolution. In order to increase the number of imaging opportunities, the satellite is placed in an inclined orbit. As, RISAT-2B is a Radar Imaging satellite; it can be operated effectively during day/night/all weather conditions.

(d) The Satellite will be used for high resolution spot imaging of locations of interest. Apart from this, data from RISAT-2B will also be utilised for agriculture applications and disaster management support.

(e) Applications of X-band SAR imagery include Hydrology, Crops, Forestry, Geosciences and Cryosphere. During the time of exigencies, very high resolution, day/night/all-weather imaging capabilities of RISAT-2B could be utilised for Disaster Management Support.

**Launching Of Space Station**

1532. SHRI DEREK O' BRIEN: Will the PRIME MINISTER be pleased to state:

- (a) whether Government has developed an action plan to launch a space station by 2030 and if so, the details thereof; and

- (b) whether Government is collaborating with any other country for this project?

THE MINISTER OF STATE IN THE DEPARTMENT OF SPACE (DR. JITENDRA SINGH): (a) No, Sir. The activities associated with Space station being an extension of Gaganyaan Programme, will be taken up after the demonstration of Human space flight.

- (b) Not yet finalised.

#### **Irregularities in MCA-21 data**

1533. SHRI VIVEK K. TANKHA: Will the Minister of STATISTICS AND PROGRAMME IMPLEMENTATION be pleased to state:

(a) whether the study conducted by the National Sample Survey Office (NSSO) during the 12 months ended June, 2017 has found that as much as 38 per cent of companies that are part of MCA-21 database of companies and are used in India's GDP calculations could not be traced or were wrongly classified;

(b) if so, the reasons for including this MCA-21 data in national accounts without proper verification, scrutiny and debate; and

(c) whether there is any proposal to release this MCA-21 data to researchers and the public so that the unit-level data could be examined?

THE MINISTER OF STATE OF THE MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION (RAO INDERJIT SINGH): (a) and (b) The key findings of the Technical Report of NSS 74th round survey (2016-17), revealed that 16.4% of the companies registered with Ministry of Corporate Affairs (MCA) were non-traceable at the current address or closed and 21.4% were misclassified. These results need to be seen in context with the aim of the survey, which was to identify issues and challenges in the field work, prior to launch of Annual Survey of Services Sector Enterprises (ASSSE). It was observed that some of the surveyed corporate units, showed a mismatch with the economic activity as embedded in their Corporate Identity Number (CIN), that was allotted to them at the time of registration and their current activity. In addition, as a part of weeding out exercise, a large number of entities have also been de-registered by MCA. In the NSS survey, the units not working in the services sector as per registered CIN, were excluded from the scope of the service sector study and, for the purpose of the survey, categorized as "out of survey", which does not imply that the units are not existing. The results were corroborated with the MCA 21 database and more than 98% of the unit included in NSS Survey were