

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:248
ANSWERED ON:23.11.2011
USE OF INDIGENOUS TECHNOLOGY
Ponnam Shri Prabhakar

Will the Minister of SPACE be pleased to state:

- (a) the details of areas in which indigenous technology is put to use in the country's advances in space science;
- (b) whether self-reliance is aiding Indian space research; and
- (c) if so, the details thereof?

Answer

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

(a) Indigenous technology is put to use in India's advances in space science, technology and applications in the areas of propulsion systems, propellants, strategic and special materials, aerodynamic structures, navigation and guidance systems, avionics, space instrumentation, flight computers, manufacturing technologies, thermal control system, space grade electrical systems, etc. India has also developed indigenous capability in design, development and realization of state-of-the-art satellite, launch vehicles and related ground systems.

(b) Yes, Sir.

(c) The Self-reliance in space research has led to the development of Polar Satellite Launch Vehicle (PSLV), Geo-synchronous Launch Vehicle (GSLV), Indian Remote Sensing (IRS) satellites, Indian National Satellite System (INSAT/GSAT), India's first mission to Moon – Chandrayaan – I, Space Recovery Experiment (SRE) and space applications.