

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

STARRED QUESTION NO:193
ANSWERED ON:02.12.2009
SPACE PROGRAMME
Thomas Shri P. T.

Will the Minister of SPACE be pleased to state:

- (a) whether the Indian Space Research Organisation (ISRO) has chalked out any roadmap for the future;
- (b) if so, the details thereof;
- (c) the extent of indigenisation proposed; and
- (d) the benefits likely to accrue as a result thereof?

Answer

MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS, MINISTRY OF PARLIAMENTARY AFFAIRS , MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTRY OF EARTH SCIENCES(SHRI PRITHVIRAJ CHAVAN)

(a),(b),(c) & (d) A statement is laid on the Table of the House.

STATEMENT LAID ON THE TABLE OF THE LOK SABHA IN REPLY TO (a) TO (d) OF STARRED QUESTION NO. 193 REGARDING "SPACE PROGRAMME" ASKED BY SHRI P.T. THOMAS FOR ANSWER ON WEDNESDAY, DECEMBER 2, 2009.

(a) Yes, Sir.

(b) The overall thrust of the Space programme for the future (next decade) is to sustain and strengthen the Space based services in a self-reliant manner towards national development and develop space technology capabilities in the areas of advanced satellites, launch vehicles and associated ground segments. The programme also envisages enhancing the capabilities in the areas of satellite communication, navigation, earth observation and human space flight, in addition to pursuing research in space science, astronomy and planetary exploration.

(c) Currently, the design, development, fabrication, integration and testing of the satellites and launch vehicles are carried out indigenously to a large extent, except for a few components which are imported. To further enhance the extent of indigenization, it is planned to develop critical space qualified electronic components and space grade materials, in a phased manner.

(d) The benefits likely to accrue from the Space Programme for next decade are in terms of enhanced satellite based tele-communication and broadcasting services, support to management of natural resources and disasters, navigation and positioning services, distance education and healthcare services, rural development support, climate and environment research.