

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:6625
ANSWERED ON:16.05.2012
SPACE PROGRAMME
Chavan Shri Harischandra Deoram

Will the Minister of SPACE be pleased to state:

- (a) whether the Indian Space Research Organisation has prepared any future plan for space programmes;
- (b) if so, the details thereof;
- (c) the extent to which it is proposed to be indigenised; and
- (d) the benefits likely to be accrued as a result thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(SHRI V. NARAYANASAMY): (a) Yes, Sir.

(b) Indian Space Research Organisation has prepared future plans for Space programme for 12th Five Year

Plan period 2012-17. The plan envisages development of advanced launch vehicle systems, thematic earth observational satellites with improved resolution, high power high throughput communication satellites, constellation of satellites for regional navigation and satellites for space science and planetary research purposes.

(c) 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 has been planned to develop critical space qualified electronic components and space grade materials, in a phased manner. It has also been proposed to develop indigenous capability to launch 4 Ton class of communication satellites to Geosynchronous Transfer Orbit. Presently, India has the capability to indigenously launch up to 2 Ton class of

satellites to Geosynchronous Transfer Orbit.

(d) The main benefits likely to accrue from the Space Programme 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 health care services, rural development support, climate and environment research. The likely benefits from proposed indigenisation will be

- (i) achieving self-reliance in Space Technology and reducing dependency on foreign countries,
- (ii) development of Indian industries and
- (iii) Spin-off benefits including new technology, knowledge and human resources development.