

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:3182

ANSWERED ON:23.03.2005

SATELLITE FOR SURVEILLANCE OF INDIAN BORDERS

Chavan Shri Harischandra Deoram;Lagadapati Shri Rajagopal;Mahajan Shri Y.G.;Singh Shri Chandra Bhushan

Will the Minister of SPACE be pleased to state:

:

- (a) whether the Indian Space Research Organisation (ISRO) is contemplating to develop a satellite for the surveillance of Indian borders and also planning to launch multi featured satellite;
- (b) if so, the details thereof;
- (c) whether proposal to launch a new high-powered satellite with 24 C-band transponders has been cleared by the Government;
- (d) if so, the details thereof;
- (e) the time by which these satellites are likely to be developed;
- (f) the amount likely to be incurred on the development of these satellites;
- (g) whether the ISRO would launch a 350 kg. Italian scientific satellite, AGILE, on its PSLV rocket this year;
- (h) if so, whether the ISRO had made an agreement with a German company in this regard; and
- (i) if so, the details thereof?

Answer

MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN):

(a)&(b) No, Sir. However, ISRO's earth observation satellites are capable of imaging entire globe in multi spectral as well as in different spatial resolution modes. During tenth Five Year Plan, ISRO is planning to launch multi featured application satellites namely, Cartosat and Oceansat.

(c) Yes, Sir.

(d) GSAT-5/INSAT-4D with 24 C-band transponders will be launched by the 5th flight of GSLV with indigenous cryogenic stage. The lift-off mass of the satellite will be 2200 kg. The transponders will act as orbital spare for all C-band services carried out by the INSAT/GSAT system.

(e) GSAT-5/INSAT-4D will be launched by the 3rd/ 4th quarter of 2006.

(f) Government has approved Rs 123.75 crores for the GSAT-5/INSAT-4D satellite.

(g) Yes, Sir.

(h) Yes, Sir.

(i) Antrix Corporation, which is the commercial arm of Indian Space Research Organisation (ISRO)/Department of Space, has entered into a contract with COSMOS International Satellitenstart GmbH, Germany in January 2004, to launch a scientific satellite `AGILE` belonging to the Italian Space Agency. The satellite weighs about 350 Kgs. and will be required to be placed in a near equatorial orbit at a height of about 550 kilometers with a specified accuracy, using Indian Polar Satellite Launch Vehicle from Sriharikota launch site.