

**GOVERNMENT OF INDIA  
SPACE  
LOK SABHA**

UNSTARRED QUESTION NO:3948  
ANSWERED ON:17.12.2014  
PRIVATE PARTNERSHIP IN ISRO  
Venugopal Dr. Ponnusamy

**Will the Minister of SPACE be pleased to state:**

- (a) whether Indian Space Research Organisation is looking forward to consolidate its partnership with the industry to produce launch vehicles and communication satellites;
- (b) if so, the details thereof;
- (c) whether India's Mars Orbiter Mission had participation from numerous private firms; and
- (d) if so, the details thereof and the reaction of the Government thereto?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a) Yes Madam.

(b) Indian Space Research Organisation (ISRO) is making focussed efforts to consolidate and enhance the participation of Indian Industry in the production of Polar Satellite Launch Vehicles, Communication Satellite and related subsystems. It is envisaged that the industry will have enhanced contribution towards the production of standardised components as well as integrated system/subsystems through an appropriate consortium, while ISRO could concentrate more towards cutting edge research and development activities.

(c) Yes Madam.

(d) India's Mars Orbiter Mission had participation from numerous private firms for supply of various items/systems like composite systems, antenna subsystems, propulsion subsystems, optical payload subsystems, inertial sensor subsystems, electronic components including wires & cables, printed circuit boards etc. Some of the private firms, who supplied these components, include M/s Godrej, M/s Walchandnagar Industries, M/s Larsen & Toubro, M/s General Optics Asia Limited, M/s Sri Venkateswara Industries, M/s Micropack, M/s Sanghvi, M/s Tata Advanced Material Limited, M/s Lakshmi Tool Engineering, M/s Technocom, M/s Balco etc.

The participation of private firms in India's Mars Orbiter Mission has significantly contributed in timely realization of the mission.