

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE**

**LOK SABHA  
STARRED QUESTION NO. 253**

**TO BE ANSWERED ON WEDNESDAY, MAY 11, 2016**

**INDUSTRY PARTICIPATION IN SPACE PROGRAMMES**

**\*253. SHRIMATI VANAROJA R.:**

**Will the PRIME MINISTER be pleased to state:**

- (a) the extent of industry/private sector's participation in the Indian Space Research Organisation's (ISRO) space programmes;**
- (b) whether the Government has set up two high-power steering committees to promote industry/private sector participation in the space programmes of ISRO;**
- (c) if so, the details thereof;**
- (d) the terms of reference of the committees; and**
- (e) the time by which the committees are likely to give their reports?**

**ANSWER**

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

**(a) to (e) A Statement is laid on the Table of the House.**

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**STATEMENT LAID ON THE TABLE OF THE LOK SABHA IN REPLY TO STARRED QUESTION NO.253 REGARDING "INDUSTRY PARTICIPATION IN SPACE PROGRAMMES" ASKED BY SHRIMATI VANAROJA R. FOR ANSWER ON WEDNESDAY MAY 11, 2016.**

- (a) ISRO has been engaging the Indian industry since 1976, with appropriate transfer of technology and hand-holding for the manufacturing and production of various components and sub-assemblies required for the development of space technology. The Indian industries have been realising several sub-systems including motor cases, structures, propellant tanks, liquid engines, control components and electronic packages, while ISRO plays the lead role in carrying out the mission design, assembly & testing, quality assurance, integration and launch.
- (b)&(c) Yes Madam. ISRO has set up two steering committees to delineate a comprehensive strategy for production with industry partnership.
- (d) The terms of reference of the Steering Committee for stepping up the Launch Capacity include – (i) establishing the production profile of the launch vehicles; (ii) assessing the gaps in meeting the production requirement and (iii) arriving at a strategy for production including industry linkages, infrastructure build-up, technology sharing methods, quality assurance support.
- The terms of reference of the Steering Committee for stepping up the Satellite/ Payload capacity include – (i) establishing the production profile of the Satellites and Payloads; (ii) assessing the gaps in meeting the production needs and (iii) creating a "Strategy Map" for production, industry linkages, joint ventures, infrastructure build-up, quality assurance support.
- (e) The Committees are expected to submit their reports by Second half of 2016.

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