

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:3640
ANSWERED ON:01.12.2010
INDIGENOUS CRYOGENIC ENGINES
Ahir Shri Hansraj Gangaram

Will the Minister of SPACE be pleased to state:

- (a) whether any scheme has been proposed to start indigenous manufacturing of cryogenic engines; and
- (b) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PLANNING, MINISTRY OF PARLIAMENTARY AFFAIRS AND MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRI V.NARAYANASAMY):

(a) & (b) Indian Space Research Organisation (ISRO) took up the development of indigenous cryogenic engine and stage in 1994, with the participation of Indian industries. These cryogenic engines and stage have successfully undergone several rounds of ground qualification tests. On April 15, 2010 the flight testing of indigenously developed cryogenic engine and stage was attempted in the Geo-Synchronous Satellite Launch Vehicle (GSLV)-D3 flight, which was not successful.