

**GOVERNMENT OF INDIA  
DEFENCE  
LOK SABHA**

UNSTARRED QUESTION NO:2922  
ANSWERED ON:03.09.2007  
TRANSFER OF TECHNOLOGY FROM DRDO  
Lagadapati Shri Rajagopal

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

- (a) the number of technologies developed by Defence Research Development Organisation (DRDO) during the last five years; and
- (b) the details of technologies transferred from DRDO to private industry/Public Sector Undertakings (PSUs) for commercial utilization?

**Answer**

MINISTER OF THE STATE IN THE MINISTRY OF DEFENCE (SHRI A.K. ANTONY)

(a) Defence Research and Development Organisation (DRDO) has developed numerous technologies during the last five years. These include missiles; composite materials; powder metallurgy; fuel cells; paints; electronic warfare systems; avionics; Unmanned Aerial Vehicle, target drones; data processing; antennas; artificial intelligence; encryptions; radars and sonars; communication systems; signal processing; guidance and control systems; gyroscope; imaging infrared seeker; sensors; combat vehicles; nuclear, biological and chemical decontamination suites; parachutes; propellants and explosives; detonators; food technology; etc.

(b) DRDO developed technologies are primarily for use of Defence Forces. However, many developed technologies are dual use technologies for defence as well as civil applications. There have been number of technologies transferred to private industries/PSUs for commercial utilization. Some of the significant technologies are: titanium sponge; typhigen kits; biodigesters; seabuckthorn juice; exterior paint; dental implantation; vermi-compost; aloe vera cream, HAPO bag; sealants, attracticide; NBC filters; herbal products; ration packs; canisters, food warmer; etc.