

**GOVERNMENT OF INDIA  
SCIENCE AND TECHNOLOGY  
LOK SABHA**

STARRED QUESTION NO:222

ANSWERED ON:23.07.2014

SCIENTIFIC RESEARCH AND DEVELOPMENT

Kothapalli Smt. Geetha;Rathwa Shri Ramsinh Patalyabhai

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) India's position globally in the field of Scientific Research and Development;
- (b) whether the pace of basic and applied research in our research laboratories is satisfactory and if so, the details thereof and if not, the reasons therefor;
- (c) the funds allocated and utilized in various segments of scientific research and development during the last two plan periods; and
- (d) the steps taken/proposed to be taken by the Government to give an impetus to Research & Development in science?

**Answer**

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE AND TECHNOLOGY; MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF EARTH SCIENCES; MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE; AND MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS; (DR. JITENDRA SINGH)

(a) to (d): A Statement is laid on the Table of the House.

STATEMENT AS REFERRED TO IN REPLY TO PARTS (a) TO (d) OF LOK SABHA QUESTION NO.222 FOR 23/07/2014 REGARDING 'SCIENTIFIC RESEARCH DEVELOPMENT'

(a) India is ranked at 9th position globally in terms of publication output in the field of scientific research and development as per the UNESCO Science Report 2010.

(b) Yes Madam. India's pace of basic and applied research in our research laboratories is satisfactory. However, Government is constantly gearing up to meet emerging challenges. It is evident from the rising trend of scientific research output during the last decade. According to Department of Science and Technology (DST) Commissioned study 2012, the research publications increased by 50% from 26,093 in 2005 to 40,711 in 2010 based on the SCI database with a growth rate of 10.0% as against the world average of 4.5%. In terms of Patents at United States Patent and Trademark Office (USPTO), India occupied 11th position in 2010 with significant increase in patents count of 182% from 403 in 2005 to 1,137 in 2010.

(c) The funds allocated and utilised in various segments of scientific research and development during the last two plan periods under the Ministry of Science and Technology are Annexed.

(d) The Government has taken various measures for the promotion and growth of scientific research in the country. These measures include successive increase in plan allocations for Scientific Departments, setting up of new institutions for science education and research, creation of centres of excellence for research and facilities in emerging and frontline S&T areas in academic and national institutes, establishment of new and attractive fellowships, strengthening infrastructure for Research and Development (R&D) in universities, encouraging public-private R&D partnerships, recognition of R&D units and national awards for outstanding R&D for industries etc.