

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

STARRED QUESTION NO:409  
ANSWERED ON:22.04.2015  
R D INSTITUTIONS  
Biju Shri Parayamparanbil Kuttappan

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

- (a) the total investment made in Research and Development (R&D) works/activities including the expenditure made in terms of percentage of Gross Domestic Product (GDP);
- (b) the number of R&D institutions under his Ministry, the number of scientists and technologists and researchers working therein along with the number of posts lying vacant, institution-wise;
- (c) whether the Government has evaluated the work of these institutions and if so, the details and the outcome thereof; and
- (d) the incentives given by the Government for sustainable growth of R&D in the country?

**Answer**

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (DR. HARSH VARDHAN)

(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 STARRED QUESTION NO.409 FOR 22/04/2015 REGARDING R&D INSTITUTIONS`

- (a) As per the available official statistics, the total investment made in Research and Development (R&D) works/activities during the year 2011-12 was estimated to be Rs.72620.44crore which constitutes 0.88% of Gross Domestic Product (GDP).
- (b) There are 69 R&D institutions under the Ministry of Science and Technology. The institution-wise list of Scientists, Technologists and Researchers working in these institutions along with posts lying vacant is given at Annexure-A.
- (c) Yes Madam. Government has mechanism to evaluate the work of the R&D institutions through Governing Council/Board/Body/Research Council headed by external scientist/ technologist of eminence which meets at least twice in a year. In addition, there is also a Scientific Advisory Committee to evaluate the work of R&D Institutions. The outcome of the institutions under the Ministry of Science & Technology for the year 2014-15 are as given below:

| Outcome         | DST  | DBT | CSIR/DSIR | Total |
|-----------------|------|-----|-----------|-------|
| Publications    | 1979 | 438 | 5745      | 8162  |
| Patent Filed    | 79   | 69  | 326#      | 474   |
| Patent Granted  | 14   | 32  | 241#      | 287   |
| Ph. D. Produced | 193  | 179 | 500       | 372   |

#Patents in India-Filed 308, Granted-60

- (d) The Government has been providing various incentives for sustaining growth of scientific research in the country. These incentives 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 for both research students and scientists, attractive pay package to scientists as per 6th pay commission, recent substantial revision of fellowships for research students, strengthening infrastructure for Research and Development (R&D) in universities, encouraging public-private R&D partnerships, recognition of R&D units and fiscal incentives and support measures for R&D in industries etc.