

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
LOK SABHA  
UNSTARRED QUESTION NO.3157  
TO BE ANSWERED ON 14/3/2018**

**SPENDING ON RESEARCH DEVELOPMENT**

**3157. PROF. PREM SINGH CHANDUMAJRA:  
SHRI BHOLA SINGH:**

Will the Minister of SCIENCE AND TECHNOLOGY विज्ञान और प्रौद्योगिकी मंत्री be pleased to state:

- (a) whether the National Science and Technology management information has recently conducted a study on the pattern of spending on research development;
- (b) if so, the details and the findings thereof indicating the comparative expenditure patterns in India and other developing countries;
- (c) whether the expenditure as a percentage of GDP has declined over the last one decade and if so, the details thereof and the reasons therefor along with the corrective steps proposed in this regard; and
- (d) whether the expenditure of R&D Non-Governmental sector is very low and if so, the details thereof along with sectorwise spending from Government and Non Governmental sectors?

**ANSWER**

**MINISTER OF SCIENCE AND TECHNOLOGY, MINISTER OF EARTH SCIENCES AND MINISTER OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(DR. HARSH VARDHAN)**

विज्ञान और प्रौद्योगिकी मंत्री, पृथ्वी विज्ञान मंत्री और पर्यावरण, वन एवं जलवायु परिवर्तन मंत्री

(डा. हर्ष वर्धन)

(a) to (b): Yes, Madam. As per the latest available statistics, India's national expenditure on R&D has been increasing consistently over the years and has tripled in a decade from Rs 24,117.24 crores in 2004-05 to Rs.85,326.10 crores in 2014-15. It is estimated to be Rs.94,516.45 crores in 2015-16 and Rs 1,04,864.03 crores in 2016-17. However, India's spending on R&D in billion current PPP\$ is 50.3 as compared to other developing countries such as China(368.6), Brazil (39.7), South Africa (4.8) and Argentina(4.7) etc.

(c) No, Madam. India's spending on R&D as percentage of GDP has hovered between 0.7% - 0.8% during last decade. However, Government has taken various measures for the promotion and growth of scientific research in the country. These measures include, successive increase in allocations for scientific departments, setting up of new institutions for science education and research, creation of Centre of Excellence and facilities in emerging in frontline areas in academic and national institutions.

(d) The details of sector-wise spending on R&D by Government and non Governmental sector is as under:-

Sector	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17*
Government Sector (Rs. Crores)	40859.73	42665.62	46886.28	48841.09	52787.71	56680.81	60868.75
Non-Government Sector (Rs. Crores)	19337.02	23295.71	27096.51	30514.80	32538.39	37835.64	43995.28
Total	60196.75	65961.33	73982.79	79355.89	85326.10	94516.45	104864.03

\* Estimated

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