

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO.2603
TO BE ANSWERED ON 3/1/2018**

RESEARCH IN THEORETICAL AND APPLIED SCIENCES

2603. SHRI KONDA VISHWESHWAR REDDY:

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

- (a) the details of total fund allocated and spent for research in theoretical and applied sciences during the last three years;
- (b) the details of total number of establishments financially supported by the Government for research in theoretical and applied sciences; and
- (c) the details of new theoretical and applied sciences projects approved by the Government for financial support during the last three years?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF
STATE IN THE MINISTRY OF EARTH SCIENCES
(SHRI Y.S. CHOWDHARY)**

विज्ञान और प्रौद्योगिकी मंत्रालय में राज्य मंत्री और पृथ्वी विज्ञान मंत्रालय में राज्य मंत्री

(श्री वाई. एस. चौधरी)

- (a) Substantial fund has been allocated by the Government for research in various fields of theoretical and applied sciences in the country. Major portion of the allocation and expenditure of Rs. 27,036.43 crores, of Ministry of Science and Technology in the last three years was spent towards elevating the quantity and quality in research in theoretical and applied sciences. The area is supported through R&D projects, fellowships, scholarships, salary, building and maintaining R&D infrastructure, R&D human resource development etc.
- (b) The Ministry has established a significant number of R&D institutions to undertake research in theoretical and applied sciences. A total of 38 constituent laboratories of Council of Scientific and Industrial Research (CSIR), 19 Autonomous Institutions (AI) of Department of Science and Technology (DST) and 16 AIs of Department of Biotechnology are financially supported for undertaking research in wide R&D spectrum of theoretical and applied sciences such as radio and space physics, oceanography, earth sciences, geophysics, chemicals, drugs, genomics, biotechnology, nanotechnology, mining, aerospace, instrumentation, environmental engineering, information technology etc. In addition, DST through the Fund for Improvement of S&T infrastructure in universities & higher educational institutions (FIST) Scheme has financially supported 552 establishments in the last three years. Seven Universities have been provided special funds through Promotion of University Research and Scientific Excellence (PURSE) Scheme of DST.
- (c) The Ministry has approved and initiated several new schemes / projects in promoting various fields of theoretical and applied sciences in physical, chemical, mathematical, engineering and life sciences. The Science and Engineering Research Board (SERB), a Statutory body of DST established exclusively for the purpose of supporting basic and applied sciences, has sanctioned a total of 3479 new R&D projects to individual scientists in this area in the last three years. 156 projects have been sanctioned by DST in Technology & Instrument Development and Water Technology areas. DBT has sanctioned 1171 projects and CSIR has approved two projects on (i) Centre of Excellence for HRD in Hydrocarbon and (ii) Vulnerability assessment and development of adaption strategies for climate change impact with special reference to coasts and island ecosystems of India, during the last three years.
