

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO.2377
TO BE ANSWERED ON 1/8/2018**

DISMAL STATE OF SCIENTIFIC RESEARCH

2377. DR. SUNIL BALIRAM GAIKWAD:

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

- (a) whether various academicians/ organisations have expressed their concern about dismal state of scientific research in the country and inadequate funds allocation therefor;
- (b) if so, the details thereof and the steps taken by the Government to improve the situation and increase the budgetary allocations for purposeful scientific research;
- (c) whether the Government has directed the Council of Scientific and Industrial Research (CSIR) and other organisation involved in scientific research to generate their own funds and to start self-financing projects and if so, the details thereof; and
- (d) the response of these organisations thereto along with its likely impact on various Government research schemes and programmes?

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) No, Madam.
- (b) Government has taken several steps to stimulate purposeful scientific research in the country including increasing budgetary allocations of Departments in the Ministry. The directions of research have been re-oriented to enhance the quality and quantity of impactful basic research to translation research to technology development, to technology transfer, to innovation and startups to enabling commercialization of indigenous technology. India is getting future-ready in launching ambitious missions in Cyber Physical Systems, Artificial Intelligence, Super Computing, Deep Ocean, Biopharmaceuticals, etc. which will make our research globally competitive and meaningful. During the last four years (2014-18), the Departments in the Ministry had been allocated Rs. 38,482.14 crore, a budgetary hike of 41.65% compared to the allocation in the 2010-14 period.
- (c) & (d): Government has not directed the Council of Scientific and Industrial Research (CSIR) and other organization involved in scientific research in the Ministry to generate their own funds and to start self-financing projects. However, during the 'Chintan Shivir' held on June 12-13, 2015 in Dehradun with Directors of all CSIR laboratories a 'DEHRADUN DECLARATION' had been adopted which primarily directs the CSIR to develop industry driven technologies, including game changing technologies. The R&D organizations under the Ministry have responded positively. CSIR is endeavoring to generate external revenue to the extent of 30% of its total budget through technology transfer, licensing, royalty, premia etc. It is also supplementing its financial resources through internal receipts. India Meteorological Department and National Institute of Ocean Technology under Ministry of Earth Sciences earn revenue by providing Meteorological support/ information / ocean technological services and consultancy to various agencies/ individuals. Scientific laboratories have increasingly become problem-resolution hubs for many government agencies like Railways, Heavy Industry, Urban Development, Defence, Drinking Water and Sanitation, Power, Coal and New and Renewable Energy etc. Theme oriented research which focused on national missions received higher level of funding and priority.
