

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

UNSTARRED QUESTION NO:1009
ANSWERED ON:02.03.2016
Funds Allocated for Research in Science
Dhruvanarayana Shri Rangaswamy;Paraste Shri Dalpat Singh

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

- (a) the total amount and percentage of the GDP that has been allotted and released for research in science in the last three years, including the names of the institutions;
- (b) whether any complaints from these institutions and scientists about the fund being inadequate have been received and if so, the details thereof;
- (c) whether the Government has directed the Council for Scientific and Industrial Research to generate half of its funds and if so, the details thereof and the reasons therefor; and
- (d) whether the Government has any proposals for reduction of funds for all Government funded research institutes, particularly in the field of science and insist on self-financing, if so, the details thereof including the adverse effect likely on the health sector and Government service schemes like Swachchh Bharat, Make in India, Smart Cities, Namami Ganga, etc.?

Answer

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

(a) Madam, as per the latest statistics on National Expenditure on Research and Development during the period 2009-10 to 2011-12, published in December, 2013, National Expenditure on R&D in relation to GDP are as follows :

Year	Amount (Rupees in Crores)	R&D as percentage of GDP
2009-10	53041.30	0.87
2010-11	62053.47	0.87
2011-12	2620.44	0.88

The details of funds released to 69 research and development institutions functioning under the Ministry of Science and Technology during the last three years are given at Annexure.

(b) No, Madam.

(c) The Government has not issued any instruction to the institutes involved in scientific research, including Council of Scientific and Industrial Research, to mobilize financial resources themselves. In the Directors' Conference of CSIR Laboratories held at Dehradun in June 2015, it was resolved to attempt for self-financing of laboratories as the ultimate dream. This has been a long-time ideal for the institutions under the Ministry of Science and Technology. In fact, institutions under the Ministry of Science and Technology which specialize in basic research have been securing extramural competitive project funding from government and non-government sources. And, those institutions which have applied research portfolio and which carry out technology development activities have been raising resources through technology transfer, patent licensing, contract R&D activities, consultancy and high-end knowledge-based services.

(d) The Government has no proposal for reduction of funds for all Government funded research institutes. The Government fully appreciates the importance of fundamental basic research in building the knowledge-base and scientific manpower-base of the country, as well as its importance as the fountain-head of technologies. The Government encourages all institutions to maintain their international competitive edge in basic research and further improve upon it. At the same time, the Government has been urging and encouraging researchers to also carry out applied and translational work so that the country also becomes competitive in the commercial space of knowledge-intensive and technology-intensive products and services.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION No.1009 FOR REPLY ON 02/03/2016
Amount in Lakhs
S.No Name of the Institution Funds released during

2012-13

Funds released
during 2013-14

Funds released
during

2014-15

(1) (2) (3) (4) (5)

1 Agharkar Research

Institute, Pune 1450.00 1206.90 1384.88

2 Aryabhata Research Institute

for

Observational Sciences, Nainital 2260.00 2300.00 2573.67

3 Birbal Sahni Institute of

Palaeobotany, Lucknow 2127.62 2648.25 2767.70

4 Bose Institute, Kolkata 5440.00 5904.45 5596.58

5 Centre for Soft Matter

Research, Bangalore 564.02 375.37 511.67

6 Indian Association for

the Cultivation of

Science, Kolkata 5728.78 5828.93 6022.80

7 Indian Institute of

Astrophysics, Bangalore 4804.07 4858.15 5072.98

8 Indian Institute of

Geomagnetism, Navi Mumbai 2481.00 2515.80 2575.00

9 Institute of Advanced Study

in Science & Technology,

Guwahati 1538.50 1596.00 1696.24

10 International Advanced Research

Centre for Powder Metallurgy

and New Materials, Hyderabad 4901.00 4778.44 4364.07

11 Jawaharlal Nehru Centre for

Advanced Scientific Research,

Bangalore 4902.00 5500.00 5320.97

12 Raman Research Institute,

Bangalore 2936.07 3299.75 3216.93

13 S.N. Bose National Centre

for Basic Sciences, Kolkata 2972.57 2916.83 2748.99

14 Sree Chitra Tirunal Institute

for Medical Sciences and

Technology, Thiruvananthapuram 8733.00 9106.98 9068.38

15 Wadia Institute of Himalayan

Geology, Dehradun 2000.00 3103.89 2875.33

16 Institute of Nano Science &

Technology, Mohali 0.00 450.00 644.80

17 National Institute of

Immunology, New Delhi 5300.00 4715.00 4827.00

18 National Centre for Cell

Science, Pune 2870.00 2600.00 2936.00

19 Centre for DNA Finger Printing

and Diagnostics, Hyderabad 4000.00 3399.98 4315.66

20 National Brain Research Centre,

Gurgaon 5092.90 50.00 2200.00

21 National Institute for Plant

Genome Research, New Delhi 2700.00 2300.00 2611.00

22 Institute of Bioresources

and Sustainable Development,

Imphal 1814.12 2109.06 1278.27

23 Institute of Life Sciences,

Bhubaneswar 2899.95 2210.00 3549.19277

24 Translational Health Science

& Technology Institute,

Faridabad 3280.00 3700.00 2056.58

25 Rajiv Gandhi Centre for

Biotechnology,

Thiruvananthapuram 2490.00 2350.00 3335.00

26 National Institute of

Biomedical Genomics,

Kalyani, West Bengal 3595.00 4200.00 2590.42

27 UNESCO Regional Centre for

Education and Training,

Faridabad 3505.00 4140.00 4100.00

28 National Agri-Food Biotechnology
Institute & Bioprocessing Unit,
Mohali 2449.95 2010.00 2740.00

29 Institute for Stem Cell
Research and Regenerative
Medicine, Bangalore 3377.00 5500.00 5260.00

30 National Institute of
Animal Biotechnology,
Hyderabad 1500.00 1800.00 1950.00

31 International Centre for
Genetic Engineering &
Biotechnology 1300.00 1300.00 2100.00

32 Centre of Innovative and Applied
Bioprocessing, Mohali 0.00 700.00 1425.00

33 Advanced Materials & Process
Research Institute, Bhopal 1833.90 1878.10 2025.80

34 Central Building Research
Institute, Roorkee 4259.30 3943.70 4569.50

35 Central Drug Research Institute,
Lucknow 11735.80 13412.60 17978.90

36 Central Electrochemical Research
Institute, Karaikudi 6675.60 8318.40 9053.40

37 Central Electronics Engineering
Research Institute, Pilani 5787.90 7594.90 7220.00

38 Central Food Technological
Research Institute, Mysore 7479.40 9243.30 9264.60

39 Central Glass & Ceramic Research
Institute, Kolkata 8489.50 9504.20 8631.30

40 Central Institute of Medicinal
and Aromatic Plants, Lucknow 5073.30 4701.90 6095.40

41 Central Institute of Mining & Fuel
Research, Dhanbad 9334.70 5518.60 8391.70

42 Central Leather Research
Institute, Chennai 6581.80 8110.80 8139.00

43 Central Mechanical Engineering
Research Institute, Durgapur 7331.30 7863.40 8376.40

44 Central Road Research Institute,
New Delhi 4503.60 4529.00 5060.00

45 Central Salt & Marine Chemicals
Research Institute, Bhavnagar 5223.10 5070.40 5916.40

46 Central Scientific Instruments
Organisation, Chandigarh 5590.40 6896.80 8186.90

47 Centre for Cellular & Molecular
Biology, Hyderabad 8593.00 10379.10 10157.90

48 Central Scientific & Industrial
Research, Madras Complex 954.60 1033.90 1197.70

49 Human Resource Development Centre,
Ghaziabad 113.20 1129.20 1178.10

50 Indian Institute of Integrative
Medicine, Jammu 6617.10 8290.70 7534.90

51 Indian Institute of Chemical Biology,
Kolkata 7542.50 9604.80 8437.90

52 Indian Institute of Chemical
Technology, Hyderabad 14468.70 16583.50 17352.00

53 Indian Institute of Petroleum,
Dehradun 5877.70 6047.20 6638.80

54 Indian Institute of Toxicology
Research, Lucknow 4012.90 4227.80 4628.30

55 Institute of Genomics &
Integrative Biology, Delhi 8847.10 9054.70 6984.50

56 Institute of Himalayan
Bioresource Technology,
Palampur 2893.10 3380.30 3936.60

57 Institute of Microbial
Technology, Chandigarh 4618.60 5062.60 6279.20

58 Institute of Minerals &
Materials Technology,
Bhubaneswar 5039.60 5528.80 4980.70

59 National Aerospace Laboratories,
Bangalore 20843.20 19122.40 20198.40

60 National Botanical Research

Institute, Lucknow 5951.60 6742.20 7955.60
61 National Chemical Laboratory,
Pune 15160.90 16083.50 16457.80
62 National Environment Engineering
Research Institute, Nagpur 5243.30 3455.10 4775.10
63 National Geophysical Research
Institute, Hyderabad 8530.80 8383.30 9162.00
64 National Institute of
Interdisciplinary Science and
Technology, Thiruvananthapuram 5087.90 5727.50 5917.80
65 National Institute of Oceanography,
Dona Paula 14764.80 13188.20 10818.00
66 National Metallurgical Laboratory,
Jamshedpur 6048.00 6099.30 5870.40
67 National Physical Laboratory,
New Delhi 13210.20 15541.70 11652.80
68 North East Institute of Science
& Technology, Jorhat 5569.20 6556.20 8103.10
69 Structural Engineering Research
Centre, Chennai 4663.70 5826.80 4754.50
