

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION No. 1031
ANSWERED ON 13/02/2025

STATUS OF FUNDS ALLOCATED FOR R & D

1031 SHRI S. SELVAGANABATHY:

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

- (a) the details of the funds allocated for research and development and utilisation thereof so far, institution-wise;
- (b) the number of innovations recorded during the last five years, year and field-wise;
- (c) whether the research institutions in the country are unable to provide adequate facilities and competent faculty to train young brains to undertake innovations in the field of science and technology;
- (d) if so, the details thereof and the reasons therefor; and
- (e) the steps being taken/proposed to be taken by Government to scale up innovations in the field of science and technology in the country?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR THE
MINISTRY OF SCIENCE AND TECHNOLOGY & EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) The details of fund allocated and utilized for research and development by institutions under Ministry of Science and Technology during last five years are at Annexure-I.
- (b) There are several innovations recorded during the last five years which is evident from number of patents filed. The details are given in Annexure-II.
- (c) No Sir. The research institutions in the country are capable to provide adequate research facilities including high-end and world class research infrastructure in some of the premier institutions and also competent faculties to train young brains to undertake research and innovations in the field of science and technology.
- (d) Does not arise.
- (e) The government has taken various steps to scale up innovation in the field of science and technology in the country. Recently, Anusandhan National Research Foundation (ANRF) has been established through an Act of Parliament: ANRF Act, 2023, to provide high-level strategic directions for research, innovation, and entrepreneurship in the fields of natural sciences, including mathematical sciences, engineering and technology, environmental and earth sciences, health and agriculture, and scientific and technological interfaces of humanities and social sciences. One of the focus of ANRF includes fostering collaborations among the industry, academia, government and research institutions, and create an interface mechanism for increased participation and contribution of industries and State governments in addition to the scientific and line ministries. Further, as per union budget 2024-25 Government has decided

to set up a mechanism for spurring private sector-driven research and innovation at commercial scale with a financing pool of ₹1 lakh crore and Rs. 20,000 Crore has been allocated for FY 2025-26 for research, development schemes. Under the NIDHI initiative, DST has launched various programs to provide resources in research and academic institutions for promoting innovations and to encourage young minds in academic and research institutes to convert their innovations into successful startups. DST has supported setting up of startups incubation centres in academic/research institutions with dedicated labs and prototyping centres to support innovators. These incubation centres have adequate support from faculties and professional teams to mentor and handhold the innovators and entrepreneurs.

1. Autonomous Institutions (AIs) under DST

Sl. No.	Name of Institution	Year	Funds allocated for R&D (in Rs. Crore)	Funds utilized thereof (in Rs. Crore)
1.	Agharkar Research Institute (ARI), Pune	2024-25	48.2	24.35
		2023-24	39.14	37.42
		2022-23	48.17	43.4
		2021-22	37.71	25.22
		2020-21	33.79	28.86
		2019-20	25.04	21.47
2.	Aryabhatta Research Institute of Observational Sciences (ARIES), Nainital	2024-25	41.07	37.57
		2023-24	49.19	49.1
		2022-23	52.06	48.81
		2021-22	44.49	35.74
		2020-21	39.69	33.18
		2019-20	25.74	24.96
3.	Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow	2024-25	57.6	40.41
		2023-24	68.97	68.97
		2022-23	87.08	64.82
		2021-22	57.25	57.25
		2020-21	53.09	48.81
		2019-20	46.04	46.04
4.	Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru	2024-25	19.4	12.88
		2023-24	15.46	18.56
		2022-23	13.59	18.13
		2021-22	17.55	14.94
		2020-21	13.74	12.46
		2019-20	13.58	12.87
5.	Indian Association for the Cultivation of Science (IACS), Kolkata	2024-25	166.7	130.06
		2023-24	156.76	156.76
		2022-23	148.99	148.99
		2021-22	126.32	126.32
		2020-21	127.63	127.63
		2019-20	116.85	116.85
6.	Indian Institute of Geomagnetism (IIG), Navi Mumbai	2024-25	59.38	44.83
		2023-24	54.64	58.31
		2022-23	47.41	54.22
		2021-22	56.72	45.32
		2020-21	46.21	42.64
		2019-20	49.34	49.24

Sl. No.	Name of Institution	Year	Funds allocated for R&D (in Rs. Crore)	Funds utilized thereof (in Rs. Crore)
7.	Institute of Advanced Study in Science and Technology (IASST), Guwahati	2024-25	48.8	38.61
		2023-24	38.27	37.09
		2022-23	43.72	43.86
		2021-22	34.65	31.02
		2020-21	30.8	27.28
		2019-20	35.85	35.92
8.	Institute of Nano Science and Technology (INST), Mohali	2024-25	40.1	23.84
		2023-24	37.31	36.26
		2022-23	35.52	56.44
		2021-22	57.96	43
		2020-21	31.89	26.09
		2019-20	27.09	25.12
9.	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad	2024-25	88	59.24
		2023-24	83.31	79.4
		2022-23	80.2	87.51
		2021-22	73.94	64.28
		2020-21	61.16	59.09
		2019-20	52.01	62.55
10.	Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS), Kolkata	2024-25	46.75	35.26
		2023-24	50.20	50.10
		2022-23	42.59	41.76
		2021-22	47.08	44.72
		2020-21	44.69	38.15
		2019-20	34.39	37.88
11.	Wadia Institute of Himalayan Geology (WIHG), Dehradun	2024-25	47.65	43.34
		2023-24	44.56	43.21
		2022-23	43.66	56.97
		2021-22	60.99	52.88
		2020-21	40.89	43.23
		2019-20	37.1	38.69
12.	National Innovation Foundation (NIF), Gandhinagar, Gujarat	2024-25	12	3
		2023-24	6.12	3.5
		2022-23	3.5	2.8
		2021-22	3.31	2.6
		2020-21	5.5	4.2
		2019-20	5.5	2.9
13.	Raman Research Institute (RRI), Bengaluru	2024-25	68.02	63.34
		2023-24	65.51	49.21
		2022-23	64.03	64.03
		2021-22	62.8	57.95
		2020-21	61.28	58.38
		2019-20	51.88	51.88

Sl. No.	Name of Institution	Year	Funds allocated for R&D (in Rs. Crore)	Funds utilized thereof (in Rs. Crore)
14.	Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram	2024-25	373.68	274.28
		2023-24	354.36	347.97
		2022-23	335.00	262.55
		2021-22	338.32	313.32
		2020-21	314.60	314.60
		2019-20	194.41	194.41
15.	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru	2024-25	126.25	101.79
		2023-24	105.16	115.68
		2022-23	111.8	118.73
		2021-22	120.2	101.59
		2020-21	102.67	96.36
		2019-20	109.28	90.33
16.	Bose Institute (BI), Kolkata	2024-25	1.53	33.41
		2023-24	13.18	4.33
		2022-23	2.94	4.17
		2021-22	6.38	4.11
		2020-21	36.06	4.15
		2019-20	11.92	4.16
17.	Indian Institute of Astrophysics (IIA), Bengaluru	2024-25	104.20	89.50
		2023-24	95.95	95.95
		2022-23	112.30	97.94
		2021-22	136.39	84.84
		2020-21	107.10	91.60
		2019-20	70.67	70.67
18	Anusandhan National Research Foundation (ANRF) (erstwhile SERB)	2024-25	766	633.13
		2023-24	1004.50	999.70
		2022-23	803	786.87
		2021-22	900	883.37
		2020-21	742	871.66
		2019-20	956.57	850.36

2. **Department of Scientific and Industrial Research (DSIR)-Council of Scientific & Industrial Research (CSIR)**

Rs. Crores			
Year	B.E.	R.E.	Actuals
2019-20	4831.58	4831.58	4831.58
2020-21	5312.00	4208.40	4101.22
2021-22	5144.27	5233.72	5174.34
2022-23	5562.76	5874.09	5808.59
2023-24	5675.51	6141.51	6107.07
2024-25	6265.80	6303.45	5089.55*

*Expenditure as on 31.01.2025 as per AMS

3. Department of Biotechnology (DBT):

Sl. No.	Name of Institution	Year	Funds allocated for R&D (in Rs. Crore)	Funds utilized thereof (in Rs. Crore)
1.	National Institute of Immunology, New Delhi	2024-25	108.0	98.09
		2023-24	105.17	105.17
		2022-23	97.35	97.35
		2021-22	76.89	76.89
		2020-21	71.55	71.55
		2019-20	82.44	82.44
2.	National Centre for Cell Science, Pune	2024-25	88.35	84.75
		2023-24	80.00	80.00
		2022-23	70.60	70.60
		2021-22	48.45	48.25
		2020-21	47.10	47.10
		2019-20	63.00	63.00
3.	Centre for DNA Finger Printing & Diagnostics, Hyderabad	2024-25	65.00	56.78
		2023-24	56.00	56.00
		2022-23	50.25	50.25
		2021-22	46.06	46.06
		2020-21	43.50	43.50
		2019-20	49.00	49.00
4.	National Brain Research Centre, Gurgaon	2024-25	43.99	40.99
		2023-24	39.50	39.50
		2022-23	37.40	37.40
		2021-22	29.25	29.25
		2020-21	28.45	27.45
		2019-20	29.13	29.13
5.	National Institute for Plant Genome Research, New Delhi	2024-25	83.50	77.85
		2023-24	71.80	71.80
		2022-23	84.50	84.50
		2021-22	59.25	59.25
		2020-21	31.50	31.50
		2019-20	48.24	48.24
6.	Institute of Bioresources & Sustainable Development, Imphal	2024-25	22.95	21.75
		2023-24	22.61	22.61
		2022-23	20.87	20.87
		2021-22	19.61	19.61
		2020-21	12.76	12.76
		2019-20	27.70	27.68
7.	Institute of Life Sciences, Bhubaneswar	2024-25	42.10	38.10
		2023-24	45.50	45.50
		2022-23	42.50	42.50
		2021-22	52.15	52.15
		2020-21	39.50	39.50
		2019-20	58.31	58.31

Sl. No.	Name of Institution	Year	Funds allocated for R&D (in Rs. Crore)	Funds utilized thereof (in Rs. Crore)
8.	Translational Health Science & Technology Faridabad	2024-25	85.34	76.34
		2023-24	97.09	97.09
		2022-23	72.85	72.85
		2021-22	42.85	42.85
		2020-21	35.50	35.50
		2019-20	54.50	54.50
9.	Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	2024-25	147.09	147.09
		2023-24	131.00	131.00
		2022-23	120.28	120.28
		2021-22	120.30	120.30
		2020-21	91.42	91.42
		2019-20	97.72	97.72
10.	National Institute of Biomedical Genomics, Kalyani	2024-25	47.50	46.50
		2023-24	45.37	45.37
		2022-23	37.00	37.00
		2021-22	30.75	30.75
		2020-21	98.75	98.75
		2019-20	30.00	30.00
11.	Regional Centre for Biotechnology, Faridabad	2024-25	63.92	63.92
		2023-24	60.00	60.00
		2022-23	52.45	52.45
		2021-22	42.00	42.00
		2020-21	33.00	33.00
		2019-20	41.20	41.20
12.	National Agri-Food Biotechnology Institute, Mohali	2024-25	36.50	29.30
		2023-24	41.00	41.00
		2022-23	24.00	24.00
		2021-22	19.18	19.18
		2020-21	15.75	15.75
		2019-20	30.16	30.15
13.	Institute for Stem Cell Research and Regenerative Medicine, Bengaluru	2024-25	67.50	65.50
		2023-24	66.23	66.23
		2022-23	57.38	57.38
		2021-22	39.64	39.64
		2020-21	38.72	38.72
		2019-20	67.20	67.20
14.	National Institute of Animal Biotechnology, Hyderabad	2024-25	40.00	39.00
		2023-24	36.60	36.60
		2022-23	34.63	34.63
		2021-22	28.80	28.80
		2020-21	23.00	23.00
		2019-20	28.08	28.08

Sl. No.	Name of Institution	Year	Funds allocated for R&D (in Rs. Crore)	Funds utilized thereof (in Rs. Crore)
15.	International Centre for Genetic Engineering and Biotechnology, New Delhi.	2024-25	50.00	44.34
		2023-24	50.00	50.00
		2022-23	43.01	43.01
		2021-22	33.50	33.50
		2020-21	33.50	33.50
		2019-20	42.00	42.00
16.	Centre of Innovative and Applied Bioprocessing, Mohali	2024-25	14.50	12.50
		2023-24	13.50	13.50
		2022-23	13.00	13.00
		2021-22	8.70	8.70
		2020-21	12.00	12.00
		2019-20	31.18	31.17
17.	Biotechnology Industrial Research Assistance Council, New Delhi	2024-25	40.00	30.01
		2023-24	52.00	52.00
		2022-23	40.00	40.00
		2021-22	24.80	24.080
		2020-21	28.00	28.00
		2019-20	31.00	31.00

Annexure-II

The number of innovations recorded during the last five years, year and field-wise.

1. Autonomous Institutions (AIs) under DST

Sl. No.	Name of Institution	Year	Number of Patents granted	Broad Fields of Innovation
1.	Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru	2024-25	2	Nano Science and Nano Technology
		2023-24	6	
		2022-23	8	
		2021-22	3	
		2020-21	3	
		2019-20	4	
2.	Indian Association for the Cultivation of Science (IACS), Kolkata	2024-25	1	Physical and Chemical Sciences
		2023-24	2	
		2022-23	2	
		2021-22	3	
		2020-21	4	
		2019-20	2	
3.	Institute of Advanced Study in Science and Technology (IASST), Guwahati	2024-25	6	Physical and Life Sciences
		2023-24	7	
		2022-23	3	
		2021-22	7	
		2020-21	5	
		2019-20	0	
4.	Wadia Institute of Himalayan Geology (WIHG), Dehradun	2024-25	2	Himalayan Geology
		2023-24	1	
		2022-23	0	
		2021-22	0	
		2020-21	0	
		2019-20	0	
5.	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad	2024-25	4	Material Science
		2023-24	27	
		2022-23	15	
		2021-22	17	
		2020-21	23	
		2019-20	9	
6.	Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS), Kolkata	2024-25	0	Physics, chemistry and astronomy and astrophysics
		2023-24	13	
		2022-23	0	
		2021-22	4	
		2020-21	3	
		2019-20	1	
7.	Raman Research Institute (RRI), Bengaluru	2024-25	0	Basic Sciences
		2023-24	1	
		2022-23	1	
		2021-22	0	
		2020-21	0	

Sl. No.	Name of Institution	Year	Number of Patents granted	Broad Fields of Innovation
		2019-20	3	
8.	Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram	2024-25	28	Biomedical Technology
		2023-24	10	
		2022-23	34	
		2021-22	19	
		2020-21	16	
		2019-20	10	
9.	Bose Institute (BI), Kolkata	2024-25	0	Natural Sciences and Biomedicine
		2023-24	3	
		2022-23	0	
		2021-22	2	
		2020-21	1	
		2019-20	0	
10.	Anusandhan National Research Foundation (ANRF) (erstwhile SERB)	2024-25	180	Science and Engineering
		2023-24	416	
		2022-23	371	
		2021-22	372	
		2020-21	300	
		2019-20	202	

2. Department of Scientific and Industrial Research (DSIR)-Council of Scientific & Industrial Research (CSIR)

Sl. No.	Name of Institution	Year	Number of Patents granted	Broad Fields of Innovation
1	DSIR/CSIR	2024-25	148	Biological, Chemical, Drug & Pharma, Engineering and Others
		2023-24	529	
		2022-23	325	
		2021-22	371	
		2020-21	542	
		2019-20	501	

3. Department of Biotechnology (DBT)

Sl. No.	Name of Institution	Year	Number of Patents granted	Broad Fields of Innovation
1	DBT	2019-20	125	Biological Sciences, Biotechnology, Biocare, Agriculture Biotechnology etc.
		2020-21	97	
		2021-22	78	
		2022-23	145	
		2023-24	123	
		2024-25 (Q3)	73	
