

PARLIAMENT QUESTION: Data on R&D Spending and Research Infrastructure

Posted On: 31 JUL 2025 5:04PM by PIB Delhi

As per the latest Research & Development Statistics 2022-23 brought out by Department of Science and Technology, the percentage of GDP spent on R&D during the last three years i.e. 2018-19, 2019-20 and 2020-21 are 0.66%, 0.66% and 0.64% respectively. State-wise R&D expenditure is placed at Annexure-I.

To avoid parking of funds, the Government has introduced new fund flow mechanisms like Central Nodal Agency (CNA), Hybrid Treasury Single Account (Hybrid TSA). These transitions during the last three years led to some difficulties in disbursement of fellowships. However, the government has addressed these challenges through prompt measures such as release of advance fellowships, setting up of helpline desks to address the queries, training the stakeholders about the new system, etc. Further, the Department of Science and Technology (DST) took a special initiative and released an advance three-month fellowship (for January–March 2025) to the host institutions of ongoing research scholars. With the new mechanism now fully operational, the disbursement process has been streamlined, and fellowships are being released on time.

During the last three years (2022-2023, 2023-24 and 2024-2025), more than 2000 foreign collaborations have been supported under different programmes of Department of Science & Technology, Department of Biotechnology, Council of Scientific & Industrial Research, Ministry of Earth Sciences and Department of Higher Education.

The number of institutions where the research infrastructure has been upgraded since 2022, state-wise and scheme-wise, are placed at Annexure-II.

Annexure-I

Expenditure on Research and Development by State Governments

(Rs. Crore)

S. No.	State	Research and Development Expenditure		
		2018-19	2019-20	2020-21
1	Andhra Pradesh	502.4	469.29	501.59
2	Assam	299.37	390.59	355.45
3	Bihar	433.14	633.15	379.32
4	Chhattisgarh	177.24	200.73	227.02
5	Delhi	64.94	57.61	69.75
6	Gujarat	876.32	934.55	922.63
7	Haryana	136.81	153.43	133.61
8	Himachal Pradesh	130.29	133.34	116.45
9	Jammu & Kashmir	317.09	389.11	394.19
10	Jharkhand	117.05	84.48	89.76
11	Karnataka	447.41	479.78	394.42

12	Kerala	459.1	511.52	492.26
13	Madhya Pradesh	278.77	270.61	262.57
14	Maharashtra	603.7	595.86	663.42
15	Manipur	29.9	10.91	13.58
16	Meghalaya	7.53	7.1	7.47
17	Odisha	192.89	233.47	269.24
18	Punjab	625.71	635.58	697.02
19	Rajasthan	234.87	238.63	242.81
20	Tamil Nadu	513.86	637.75	609.72
21	Telangana	361.37	396.94	385.03
22	Uttar Pradesh	973.99	830.27	1002.34
23	Uttarakhand	189.39	200.09	185.66
24	West Bengal	56.04	59.98	61.05
	Total	8029.21	8554.79	8476.35

Source: Research and Development Statistics, 2022-23, NSTMIS, DST, GoI.

Note:

1. Research & Development Expenditure figures include R&D expenditure of State Agriculture Universities and other state departments/organisations.
2. In addition to the above, R&D expenditure is also incurred by Industry, Higher Education and Central Sector R&D institutions.
3. States/Union Territories with no R&D Expenditure are not shown.

Annexure-II

Number of research institutions where the research infrastructure has been supported since 2022, State-wise & scheme-wise

State / UT	FIST	SAIF	PURSE	SATHI	SUPREME	PGTP	RRSFP
Andhra Pradesh	4	--	2	--	--	--	1
Arunachal Pradesh	1	--	--	--	--	--	--
Assam	6	1	2	--	--	1	1
Bihar	3	1	--	--	--	1	--
Chhattisgarh	4	--	1	--	--	--	--
Goa	1	--	1	--	--	--	1
Gujarat	8	--	1	--	--	--	--
Haryana	3	--	1	--	--	--	--
Himachal Pradesh	4	--	1	--	--	1	--

Jharkhand	5	--	1	--	--	--	--
Karnataka	6	2	--	--	--	--	5
Kerala	13	1	1	--	--	1	1
Madhya Pradesh	2	--	--	--	--	1	1
Maharashtra	14	2	1	--	--	2	3
Manipur	1	--	--	--	--	--	--
Meghalaya	--	1	--	--	--	--	--
Mizoram	1	--	--	--	--	--	
Nagaland	1	--	--	--	--	--	--
Odisha	4	--	1	--	--	--	1
Punjab	9	--	2	--	--	--	1
Rajasthan	7	--	1	1	--	--	--
Tamil Nadu	30	1	1	--	2	2	1
Telangana	7	--	1	1	--	--	1
Tripura	1	--	--	--	--	--	--
Uttar Pradesh	9	1	--	1	3	1	2
Uttarakhand	3	--	1	--	--	1	--
West Bengal	8	--	--	1	--	3	
Chandigarh	3	1	--	--	--	--	--
Delhi	2	--	1	1	--	4	1
Jammu and Kashmir	5	--	3	--	--	2	2
Puducherry	2	--	--	--	--	--	--
Ladakh	--	--	1	--	--	--	--

Note:

1. FIST - Fund for Improvement of S&T Infrastructure, DST
2. SAIF - Sophisticated Analytical Instrument Facilities, DST
3. PURSE - Promotion of University Research and Scientific Excellence, DST
4. SATHI - Sophisticated Analytical & Technical Help Institutes, DST
5. SUPREME - Support for the Upgradation, Preventive Repair, and Maintenance of Equipment, DST
6. PGTP - PG Teaching Program, DBT
7. RRSFP - Research Resource Service Facility Platform, DBT

This information was given by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science and Technology, Earth Sciences, MoS PMO, MoS Personnel, Public Grievances & Pensions, Department of Atomic Energy and Department of Space, in a written reply in the Rajya Sabha today.

NKR/PSM

(Release ID: 2150809)