MINISTRY OF SCIENCE AND TECHNOLOGY

DEMAND NO. 89

Department of Science and Technology

(In ₹ crores)

	Actual 2022-2023			Budget 2023-2024			Revised 2023-2024			Budget 2024-2025		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	4519.96	40.03	4559.99	7843.95	88.30	7932.25	4851.59	41.39	4892.98	7965.71	64.50	8030.21
Recoveries	*-123.73*	*...*	*-123.73*	*-1.20*	*...*	*-1.20*	*-1.20*	*...*	*-1.20*	*-1.20*	*...*	*-1.20*
Receipts	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*
Net	**4396.23**	**40.03**	**4436.26**	**7842.75**	**88.30**	**7931.05**	**4850.39**	**41.39**	**4891.78**	**7964.51**	**64.50**	**8029.01**
A. The Budget allocations, net of recoveries, are given below:												
CENTRE'S EXPENDITURE												
Establishment Expenditure of the Centre												
1. Secretariat	94.31	...	94.31	98.75	15.25	114.00	112.35	4.55	116.90	105.26	17.35	122.61
2. Survey of India	439.03	36.69	475.72	464.70	66.00	530.70	426.36	31.60	457.96	489.89	43.75	533.64
	...	...	...	-1.20	...	-1.20	-1.20	...	-1.20	-1.20	...	-1.20
Net	*439.03*	*36.69*	*475.72*	*463.50*	*66.00*	*529.50*	*425.16*	*31.60*	*456.76*	*488.69*	*43.75*	*532.44*
3. National Atlas and Thematic Mapping Organization	24.95	3.34	28.29	29.00	7.05	36.05	27.28	5.24	32.52	27.79	3.40	31.19
4. Science Counsellor Abroad	21.12	...	21.12	11.50	...	11.50	9.50	...	9.50	8.50	...	8.50
Total-Establishment Expenditure of the Centre	**579.41**	**40.03**	**619.44**	**602.75**	**88.30**	**691.05**	**574.29**	**41.39**	**615.68**	**630.24**	**64.50**	**694.74**
Central Sector Schemes/Projects												
5. Science and Technology Institutional and Human Capacity Building	769.88	...	769.88	1068.40	...	1068.40	500.00	...	500.00	900.00	...	900.00
6. Research and Development	245.04	...	245.04	592.00	...	592.00	200.00	...	200.00	291.00	...	291.00
7. Innovation, Technology Development and Deployment	476.33	...	476.33	536.60	...	536.60	200.00	...	200.00	536.61	...	536.61
8. National Mission on Interdisciplinary Cyber Physical Systems	299.40	...	299.40	580.00	...	580.00	435.00	...	435.00	614.46	...	614.46
9. National Quantum Mission (NQM)	...	...	...	...	...	...	5.00	...	5.00	477.00	...	477.00
Total-Central Sector Schemes/Projects	**1790.65**	**...**	**1790.65**	**2777.00**	**...**	**2777.00**	**1340.00**	**...**	**1340.00**	**2819.07**	**...**	**2819.07**
Other Central Sector Expenditure												
Statutory and Regulatory Bodies												
10. Science and Engineering Research Board	803.00	...	803.00	803.00	...	803.00	1004.50	...	1004.50	803.00	...	803.00
11. Technology Development Board	100.00	...	100.00	100.00	...	100.00	54.70	...	54.70	100.00	...	100.00
Total-Statutory and Regulatory Bodies	**903.00**	**...**	**903.00**	**903.00**	**...**	**903.00**	**1059.20**	**...**	**1059.20**	**903.00**	**...**	**903.00**

(In ₹ crores)

	Actual 2022-2023			Budget 2023-2024			Revised 2023-2024			Budget 2024-2025		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Autonomous Bodies												
12. Assistance to Autonomous Bodies	1246.90	...	1246.90	1560.00	...	1560.00	1618.30	...	1618.30	1612.20	...	1612.20
Others												
13. National Research Foundation (NRF)	...	...	...	2000.00	...	2000.00	258.60	...	258.60	2000.00	...	2000.00
14. Actual Recoveries	-123.73	...	-123.73	...	...	...	...	...	...	...	...	...
Total-Others	**-123.73**	**...**	**-123.73**	**2000.00**	**...**	**2000.00**	**258.60**	**...**	**258.60**	**2000.00**	**...**	**2000.00**
Total-Other Central Sector Expenditure	**2026.17**	**...**	**2026.17**	**4463.00**	**...**	**4463.00**	**2936.10**	**...**	**2936.10**	**4515.20**	**...**	**4515.20**
Grand Total	***4396.23***	***40.03***	***4436.26***	***7842.75***	***88.30***	***7931.05***	***4850.39***	***41.39***	***4891.78***	***7964.51***	***64.50***	***8029.01***
B. Developmental Heads												
Economic Services												
1. Other Scientific Research	4302.07	...	4302.07	7744.00	...	7744.00	4738.04	...	4738.04	7859.25	...	7859.25
2. Secretariat-Economic Services	94.16	...	94.16	98.75	...	98.75	112.35	...	112.35	105.26	...	105.26
3. Capital Outlay on Other Scientific and Environmental Research	...	40.03	40.03	...	88.30	88.30	...	41.39	41.39	...	64.50	64.50
Total-Economic Services	**4396.23**	**40.03**	**4436.26**	**7842.75**	**88.30**	**7931.05**	**4850.39**	**41.39**	**4891.78**	**7964.51**	**64.50**	**8029.01**
Grand Total	**4396.23**	**40.03**	**4436.26**	**7842.75**	**88.30**	**7931.05**	**4850.39**	**41.39**	**4891.78**	**7964.51**	**64.50**	**8029.01**

1. **Secretariat:** Provision is for establishment related expenditure of the Department.

2. **Survey of India:** Provision is for expenditure on Direction and Administration (Surveyor General), Training Organisations and Publication of Maps, Charts, Reports etc. under Survey of India.

3. **National Atlas and Thematic Mapping Organization:** Provision is for the Compilation of the National Atlas of India in English and Hindi, Golden Map Service covering whole of India and Geographical/Cartographical research & training under National Atlas and Thematic Mapping Organisation.

4. **Science Counsellor Abroad:** Provision is for the counsellors deployed at various Indian embassies abroad.

5. **Science and Technology Institutional and Human Capacity Building:** This includes allocation for the R&D Support, State S& T Programme, Policy Research Cell, DISHA Programme for women in Science, Alliance and R&D Mission (Inspire Award and Inspire Programme).

6. **Research and Development:** This includes allocation for International Co-operation, National Mission on Nano Science & Nano Technology, Mega Facilities for Basic Research, Alliance and R&D Mission (Climate Change Programme) & Super Computing Facility & Capacity Building, Technology fusion & Applications Research

7. **Innovation, Technology Development and Deployment:** This includes allocation for the Technology Development Programme, S&T Programmes for Socio Economic Development, Other Programmes (Exhibition & Fairs) , Drugs and Pharmaceutical Research and Technical Research Centres.

8. **National Mission on Interdisciplinary Cyber Physical Systems:** Cyber Physical Systems (CPS) are new class of engineered systems that integrate computation and physical processes in a dynamic environment. CPS encompasses technology areas of Cybernetics, Mechatronics, Design and Embedded systems, Internet of Things (IoT), Big Data, Artificial Intelligence (AI) and many more. The CPS systems are intelligent, autonomous and efficient and are expected to drive innovation in sectors as diverse as agriculture, water, energy, transportation, infrastructure, security, health and manufacturing. Thus, it is heralded as the next paradigm shift in technology that can exponentially spur growth and development.

9. **National Quantum Mission (NQM):** The Mission aims to seed, nurture and scale up scientific and industrial R&D and create a vibrant and innovative ecosystem in Quantum Technology (QT). This will accelerate QT led economic growth, nurture the ecosystem in the country and make India one of the leading nations in the development of Quantum Technologies and Applications (QTA).

10. **Science and Engineering Research Board:** This includes the provision for the Science and Engineering Research Board (SERB), a statutory body under Department of Science & Technology to support basic research in emerging areas of Science & Engineering which are the primary and distinctive mandate of the board.

11. **Technology Development Board:** This includes the provision for Technology Development Board (TDB), a statutory body under the Department of Science & Technology to promote development and commercialization of indigenous technology and adaptation of imported technology for wider application.

12. **Assistance to Autonomous Bodies:** This includes the provision for the following Autonomous Institutes and Professional Bodies under the Department of Science & Technology:

(i) MACS Agharkar Research Institute, Pune; (ii) Aryabhatta Research Institute of Observational Sciences (ARIES), Nainital; (iii) Birbal Sahni Institute of Palaeo sciences BSIP), Lucknow; (iv) Bose Institute, Kolkata; (v) Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru; (vi) International Advanced Research Centre for Powder Metallurgy and New Materials, (ARCI), Hyderabad; (vii) Institute of Nano Science and Technology (INST), Mohali (viii) Indian Association for the Cultivation of Science (IACS), Kolkata; (ix) Indian Institute of Geomagnetism, Navi Mumbai; (x) Jawahar Lal Nehru Centre for Advanced Scientific Research, Bengaluru; (xi) National Innovation Foundation India, Gandhinagar; (xii) Raman Research Institute (RRI), Bengaluru; (xiii) Satyendra Nath Bose National Centre for Basic Sciences, (SNBNCBS) Kolkata; (ivx) Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram (vx) Institute of Advanced Study in Science and Technology (IASST), Guwahati; (xvi) Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi (xvii) Wadia Institute of Himalayan Geology, Dehradun; (xviii) VigyanPrasar, Noida; (ixx)The National Academy of Sciences, India, Allahabad; (xx) The Indian Science Congress Association, Kolkata; (xxi) Indian National Science Academy, New Delhi; (xxii) Indian Academy of Sciences, Bengaluru; (xxiii) Indian National Academy of Engineering, Gurugram; (xxiv) Indian Institute of Astrophysics, Bengaluru; (xxv) The North East Centre for Technology Application and Reach, Shillong

13. **National Research Foundation (NRF):** This includes provision for NRF to address the pressing need for a professional and comprehensive research framework that directs human and material resources towards carrying out well coordinated research across disciplines and across all types of institutions. The overarching goal of the NRF will be to seed, grow and promote research and development (R and D) and foster a culture of research and innovation throughout Indian universities, colleges, research institutions.