

MINISTRY OF SCIENCE AND TECHNOLOGY

DEMAND NO. 84

Department of Science and Technology*(In ₹ crores)*

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	4621.26	13.95	4635.21	5067.38	67.50	5134.88	5067.39	67.50	5134.89	5251.11	90.00	5341.11
Recoveries	-39.48	...	-39.48	-20.10	...	-20.10	-20.10	...	-20.10	-20.10	...	-20.10
Receipts	...	...	...	...	...	...	...	...	...	...	...	...
Net	4581.78	13.95	4595.73	5047.28	67.50	5114.78	5047.29	67.50	5114.79	5231.01	90.00	5321.01
A. The Budget allocations, net of recoveries, are given below:												
CENTRE'S EXPENDITURE												
Establishment Expenditure of the Centre												
1. Secretariat	72.64	2.00	74.64	84.10	50.00	134.10	84.10	50.00	134.10	88.45	70.00	158.45
2. Survey of India	377.11	8.15	385.26	397.87	14.00	411.87	398.97	14.00	412.97	401.16	15.00	416.16
	...	...	...	-5.10	...	-5.10	-5.10	...	-5.10	-5.10	...	-5.10
<i>Net</i>	<i>377.11</i>	<i>8.15</i>	<i>385.26</i>	<i>392.77</i>	<i>14.00</i>	<i>406.77</i>	<i>393.87</i>	<i>14.00</i>	<i>407.87</i>	<i>396.06</i>	<i>15.00</i>	<i>411.06</i>
3. National Atlas and Thematic Mapping Organization	14.32	...	14.32	17.98	3.50	21.48	17.98	3.50	21.48	20.75	5.00	25.75
4. Science Counsellor Abroad	7.57	...	7.57	11.50	...	11.50	11.50	...	11.50	9.50	...	9.50
Total-Establishment Expenditure of the Centre	471.64	10.15	481.79	506.35	67.50	573.85	507.45	67.50	574.95	514.76	90.00	604.76
Central Sector Schemes/Projects												
5. Science and Technology Institutional and Human Capacity Building	1005.08	...	1005.08	1124.43	...	1124.43	1017.43	...	1017.43	1100.20	...	1100.20
	-15.00	...	-15.00	-15.00	...	-15.00	-15.00	...	-15.00	-15.00	...	-15.00
<i>Net</i>	<i>990.08</i>	<i>...</i>	<i>990.08</i>	<i>1109.43</i>	<i>...</i>	<i>1109.43</i>	<i>1002.43</i>	<i>...</i>	<i>1002.43</i>	<i>1085.20</i>	<i>...</i>	<i>1085.20</i>
6. Research and Development	499.88	...	499.88	609.00	...	609.00	493.50	...	493.50	481.00	...	481.00
7. Innovation, Technology Development and Deployment	609.73	3.80	613.53	720.00	...	720.00	781.40	...	781.40	862.35	...	862.35
8. National Mission on Interdisciplinary Cyber Physical Systems	...	...	...	...	...	...	0.01	...	0.01	5.00	...	5.00
Total-Central Sector Schemes/Projects	2099.69	3.80	2103.49	2438.43	...	2438.43	2277.34	...	2277.34	2433.55	...	2433.55
Other Central Sector Expenditure												
Statutory and Regulatory Bodies												
9. Science and Engineering Research Board	800.00	...	800.00	900.00	...	900.00	1000.00	...	1000.00	1000.00	...	1000.00
10. Technology Development Board	170.00	...	170.00	100.00	...	100.00	100.00	...	100.00	100.00	...	100.00

(In ₹ crores)

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Total-Statutory and Regulatory Bodies	970.00	...	970.00	1000.00	...	1000.00	1100.00	...	1100.00	1100.00	...	1100.00
Autonomous Bodies												
11. Assistance to Autonomous Bodies	1064.93	...	1064.93	1102.50	...	1102.50	1162.50	...	1162.50	1182.70	...	1182.70
Others												
12. Actual Recoveries	-24.48	...	-24.48	...	...	...	...	...	...	...	...	...
Total-Other Central Sector Expenditure	2010.45	...	2010.45	2102.50	...	2102.50	2262.50	...	2262.50	2282.70	...	2282.70
Grand Total	4581.78	13.95	4595.73	5047.28	67.50	5114.78	5047.29	67.50	5114.79	5231.01	90.00	5321.01
B. Developmental Heads												
Economic Services												
1. Other Scientific Research	4509.15	...	4509.15	4963.18	...	4963.18	4963.19	...	4963.19	5142.56	...	5142.56
2. Secretariat-Economic Services	72.63	...	72.63	84.10	...	84.10	84.10	...	84.10	88.45	...	88.45
3. Capital Outlay on Other Scientific and Environmental Research	...	10.15	10.15	...	67.50	67.50	...	67.50	67.50	...	90.00	90.00
4. Loans for Other Scientific Research	...	3.80	3.80	...	...	...	...	...	...	...	...	...
Total-Economic Services	4581.78	13.95	4595.73	5047.28	67.50	5114.78	5047.29	67.50	5114.79	5231.01	90.00	5321.01
Grand Total	4581.78	13.95	4595.73	5047.28	67.50	5114.78	5047.29	67.50	5114.79	5231.01	90.00	5321.01

- Secretariat:** Provision is for establishment related expenditure of the Department.
- 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.
- 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.
- Science Counsellor Abroad:** Provision is for the counsellors deployed at various Indian embassies abroad.
- 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).
- Research and Development:** This includes allocation for International Co-operation, Synergy Project, 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.

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:** This includes provision for initiation of the Programme.

9. **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.

10. **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.

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

- 1) Agharkar Research Institute, Pune, 2) Aryabhata Research Institute of Observational-Sciences, Nanital, 3) Birbal Sahni Institute of Palaeobotany, Lucknow, 4) Bose Institute, Kolkata, 5) Centre for

Nano and Soft Matter Sciences, Bangalore, 6) International Advanced Research Centre for Powder Metallurgy and New Materials, Hyderabad, 7) Institute of Nano Science and Technology, Mohali, 8) Indian Association for the Cultivation of Science, Kolkata, 9) Indian Institute of Geomagnetism, Mumbai, 10) Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, 11) National Innovation Foundation, Gandhinagar, 12) National Accreditation Board for Testing & Calibration Laboratories, New Delhi, 13) Raman Research Institute, Bangalore, 14) S.N. Bose National Centre for Basic Sciences, Kolkata, 15) Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, 16) The Institute of Advanced Study in Science & Technology, Guwahati, 17) Technology Information, Forecasting and Assessment Council (TIFAC), 18) Wadia Institute of Himalayan Geology, Dehradun, 19) Vigyan Prasar, New Delhi, 20) National Academy of Sciences, Allahabad, 21) Indian Science Congress Association, Kolkata, 22) Indian National Science Academy, New Delhi, 23) Indian Academy of Sciences, Bangalore, 24) Indian National Academy of Engineering, New Delhi, 25) Indian Institute of Astrophysics, Bangalore,