## CENTRE’S EXPENDITURE

### Establishment Expenditure of the Centre

1. **Secretariat**
   - Actual 2019-20: 80.91, 30.00, 110.91
   - Budget 2020-21: 91.96, 50.00, 141.96
   - Revised 2020-21: 86.61, 50.00, 136.61
   - Budget 2021-22: 93.40, 30.00, 123.40

2. **Survey of India**
   - Actual 2019-20: 419.85, 15.07, 434.42
   - Revised 2020-21: 415.35, 32.50, 447.82
   - Budget 2021-22: 457.90, 73.50, 531.40

3. **National Atlas and Thematic Mapping Organization**
   - Actual 2019-20: 18.34, 4.20, 22.54
   - Budget 2020-21: 23.75, 18.50, 42.25
   - Revised 2020-21: 21.18, 18.50, 39.68
   - Budget 2021-22: 28.40, 18.50, 46.90

4. **Science Counsellor Abroad**
   - Actual 2019-20: 9.91
   - Budget 2020-21: 10.00
   - Revised 2020-21: 11.80
   - Budget 2021-22: 12.00

### Total Establishment Expenditure of the Centre
- Actual 2019-20: 528.51, 49.27, 577.78
- Budget 2020-21: 541.53, 101.00, 642.53
- Revised 2020-21: 531.00, 101.00, 632.00
- Budget 2021-22: 591.70, 122.00, 713.70

### Central Sector Schemes/Projects

5. **Science and Technology Institutional and Human Capacity Building**
   - Actual 2019-20: 1084.30
   - Revised 2020-21: 918.35
   - Budget 2021-22: 1101.80

6. **Research and Development**
   - Actual 2019-20: 584.10
   - Revised 2020-21: 402.50
   - Budget 2021-22: 593.94

7. **Innovation, Technology Development and Deployment**
   - Actual 2019-20: 811.79
   - Revised 2020-21: 656.30
   - Budget 2021-22: 951.95

8. **National Mission on Interdisciplinary Cyber Physical Systems**
   - Actual 2019-20: 122.79
   - Revised 2020-21: 270.85
   - Budget 2021-22: 270.00

### Total Central Sector Schemes/Projects
- Actual 2019-20: 2587.98
- Revised 2020-21: 2241.00
- Budget 2021-22: 2915.69

### Other Central Sector Expenditure

9. **Statutory and Regulatory Bodies**
   - Science and Engineering Research Board: 956.57
   - Technology Development Board: 98.00

### Total Revenue, Capital, and Total
- Actual 2019-20: 5403.76, 49.27, 5453.03
- Revised 2020-21: 6313.63, 4911.10, 101.00
- Budget 2021-22: 5949.59, 122.00, 6071.59
Notes on Demands for Grants, 2021-2022

<table>
<thead>
<tr>
<th>Total-Statutory and Regulatory Bodies</th>
<th>Actual 2019-2020</th>
<th>Budget 2020-2021</th>
<th>Revised 2020-2021</th>
<th>Budget 2021-2022</th>
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<tr>
<td>Total-Economic Services</td>
<td>Revenue</td>
<td>Capital</td>
<td>Total</td>
<td>Revenue</td>
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<td>Autonomous Bodies</td>
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<td>11. Assistance to Autonomous Bodies</td>
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<td>Others</td>
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<td>Total-Other Central Sector Expenditure</td>
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<td>Grand Total</td>
<td>5357.76</td>
<td>49.27</td>
<td>5407.03</td>
<td>6000.53</td>
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B. Developmental Heads

Economic Services

1. Other Scientific Research

2. Secretariat-Economic Services

3. Capital Outlay on Other Scientific and Environmental Research

4. Loans for Other Scientific Research

Total-Economic Services

Grand Total

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.


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).


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. **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) MACS Agharkar Research Institute, Pune
2) Aryabhatta Research Institute of Observational Sciences (ARIES), Nainital
3) Birbal Sahni Institute of Palaeo sciences (BSIP), Lucknow
4) Bose Institute, Kolkata
5) Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru
6) International Advanced Research Centre for Powder Metallurgy and New Materials, (ARCI), Hyderabad
7) Institute of Nano Science and Technology (INST), Mohali
8) Indian Association for the Cultivation of Science (IACS), Kolkata
9) Indian Institute of Geomagnetism, Mumbai
10) Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru
11) National Innovation Foundation India, Gandhinagar
12) Raman Research Institute (RRI), Bengaluru
13) Satyendra Nath Bose National Centre for Basic Sciences, (SNBNCBS) Kolkata
14) Sree Chithra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram
15) Institute of Advanced Study in Science and Technology (IASST), Guwahati
16) Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi
17) Wadia Institute of Himalayan Geology, Dehradun
18) Vigyan Prasar, Noida
19) The National Academy of Sciences, India, Allahabad
20) The Indian Science Congress Association, Kolkata
21) Indian National Science Academy, New Delhi
22) Indian Academy of Sciences, Bengaluru;
23) Indian National Academy of Engineering, Gurugram
24) Indian Institute of Astrophysics, Bengaluru
25) The North East Centre for Technology Application and Reach, Shillong