

**DEPARTMENT OF SPACE**

DEMAND NO. 95

**Department of Space***(In ₹ crores)*

	Actual 2020-2021			Budget 2021-2022			Revised 2021-2022			Budget 2022-2023		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	4853.56	4636.49	9490.05	5720.46	8228.63	13949.09	5720.46	6921.54	12642.00	6234.40	7465.60	13700.00
Recoveries	-13.11	-2.53	-15.64	...	...	...	...	...	...	...	...	...
Receipts	...	...	...	...	...	...	...	...	...	...	...	...
<b>Net</b>	<b>4840.45</b>	<b>4633.96</b>	<b>9474.41</b>	<b>5720.46</b>	<b>8228.63</b>	<b>13949.09</b>	<b>5720.46</b>	<b>6921.54</b>	<b>12642.00</b>	<b>6234.40</b>	<b>7465.60</b>	<b>13700.00</b>
A. The Budget allocations, net of recoveries, are given below:												
<b>CENTRE'S EXPENDITURE</b>												
<b>Establishment Expenditure of the Centre</b>												
1. Secretariat	21.70	...	21.70	26.50	...	26.50	34.00	...	34.00	33.00	...	33.00
2. Indian Space Research Organisation (ISRO) Head Quarters	133.18	21.51	154.69	142.09	7.88	149.97	162.83	8.17	171.00	185.00	8.00	193.00
3. Indian National Space Promotion and Authorization Centre (IN-SPACe)	...	...	...	10.00	...	10.00	1.00	...	1.00	24.70	8.30	33.00
<b>Total-Establishment Expenditure of the Centre</b>	<b>154.88</b>	<b>21.51</b>	<b>176.39</b>	<b>178.59</b>	<b>7.88</b>	<b>186.47</b>	<b>197.83</b>	<b>8.17</b>	<b>206.00</b>	<b>242.70</b>	<b>16.30</b>	<b>259.00</b>
<b>Central Sector Schemes/Projects</b>												
4. Space Technology	2939.74	3617.50	6557.24	3573.26	6676.90	10250.16	3610.51	5404.69	9015.20	3843.73	6690.77	10534.50
5. Space Applications	902.01	268.41	1170.42	1074.82	402.03	1476.85	1030.14	292.10	1322.24	1119.07	363.73	1482.80
6. Space Sciences	33.17	154.08	187.25	107.36	167.14	274.50	87.61	124.19	211.80	128.25	77.86	206.11
7. INSAT Satellite Systems	188.71	574.99	763.70	54.93	274.68	329.61	41.82	347.86	389.68	102.65	315.94	418.59
<b>Total-Central Sector Schemes/Projects</b>	<b>4063.63</b>	<b>4614.98</b>	<b>8678.61</b>	<b>4810.37</b>	<b>7520.75</b>	<b>12331.12</b>	<b>4770.08</b>	<b>6168.84</b>	<b>10938.92</b>	<b>5193.70</b>	<b>7448.30</b>	<b>12642.00</b>
<b>Other Central Sector Expenditure</b>												
<b>Autonomous Bodies</b>												
8. Indian Institute of Space Science and Technology (IIST)	69.25	...	69.25	112.00	...	112.00	106.00	...	106.00	115.00	...	115.00
9. Semi Conductor Laboratory (SCL)	360.91	...	360.91	393.00	...	393.00	417.55	...	417.55	400.00	...	400.00
10. North Eastern Space Applications Centre (NE-SAC)	26.50	...	26.50	30.00	...	30.00	31.50	...	31.50	37.50	...	37.50
11. National Atmospheric Research Laboratory (NARL)	29.55	...	29.55	35.00	...	35.00	35.00	...	35.00	43.00	...	43.00
12. Physical Research Laboratory (PRL)	146.84	...	146.84	158.50	...	158.50	160.00	...	160.00	200.00	...	200.00
<b>Total-Autonomous Bodies</b>	<b>633.05</b>	<b>...</b>	<b>633.05</b>	<b>728.50</b>	<b>...</b>	<b>728.50</b>	<b>750.05</b>	<b>...</b>	<b>750.05</b>	<b>795.50</b>	<b>...</b>	<b>795.50</b>
<b>Public Sector Undertakings</b>												

(In ₹ crores)

	Actual 2020-2021			Budget 2021-2022			Revised 2021-2022			Budget 2022-2023		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
13. NewSpace India Limited (NSIL)	...	...	...	...	700.00	700.00	...	744.53	744.53	...	1.00	1.00
<b>Others</b>												
14. International Co-operation	2.00	...	2.00	3.00	...	3.00	2.50	...	2.50	2.50	...	2.50
15. Actual Recoveries	-13.11	-2.53	-15.64	...	...	...	...	...	...	...	...	...
<b>Total-Others</b>	<b>-11.11</b>	<b>-2.53</b>	<b>-13.64</b>	<b>3.00</b>	<b>...</b>	<b>3.00</b>	<b>2.50</b>	<b>...</b>	<b>2.50</b>	<b>2.50</b>	<b>...</b>	<b>2.50</b>
<b>Total-Other Central Sector Expenditure</b>	<b>621.94</b>	<b>-2.53</b>	<b>619.41</b>	<b>731.50</b>	<b>700.00</b>	<b>1431.50</b>	<b>752.55</b>	<b>744.53</b>	<b>1497.08</b>	<b>798.00</b>	<b>1.00</b>	<b>799.00</b>
<b>Grand Total</b>	<b>4840.45</b>	<b>4633.96</b>	<b>9474.41</b>	<b>5720.46</b>	<b>8228.63</b>	<b>13949.09</b>	<b>5720.46</b>	<b>6921.54</b>	<b>12642.00</b>	<b>6234.40</b>	<b>7465.60</b>	<b>13700.00</b>
<b>B. Developmental Heads</b>												
<b>Economic Services</b>												
1. Space Research	4818.76	...	4818.76	5693.96	...	5693.96	5686.46	...	5686.46	6201.40	...	6201.40
2. Secretariat-Economic Services	21.69	...	21.69	26.50	...	26.50	34.00	...	34.00	33.00	...	33.00
3. Capital Outlay on Space Research	...	4633.96	4633.96	...	8228.63	8228.63	...	6921.54	6921.54	...	7465.60	7465.60
<b>Total-Economic Services</b>	<b>4840.45</b>	<b>4633.96</b>	<b>9474.41</b>	<b>5720.46</b>	<b>8228.63</b>	<b>13949.09</b>	<b>5720.46</b>	<b>6921.54</b>	<b>12642.00</b>	<b>6234.40</b>	<b>7465.60</b>	<b>13700.00</b>
<b>Grand Total</b>	<b>4840.45</b>	<b>4633.96</b>	<b>9474.41</b>	<b>5720.46</b>	<b>8228.63</b>	<b>13949.09</b>	<b>5720.46</b>	<b>6921.54</b>	<b>12642.00</b>	<b>6234.40</b>	<b>7465.60</b>	<b>13700.00</b>
	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
<b>C. Investment in Public Enterprises</b>												
<b>NewSpace India Limited</b>												
1. NewSpace India Limited	...	...	...	700.00	...	700.00	744.53	...	744.53	1.00	...	1.00
<b>Total-NewSpace India Limited</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>700.00</b>	<b>...</b>	<b>700.00</b>	<b>744.53</b>	<b>...</b>	<b>744.53</b>	<b>1.00</b>	<b>...</b>	<b>1.00</b>
<b>Total</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>700.00</b>	<b>...</b>	<b>700.00</b>	<b>744.53</b>	<b>...</b>	<b>744.53</b>	<b>1.00</b>	<b>...</b>	<b>1.00</b>

1. **Secretariat:** Economic Services: Provision is made for expenditure to be incurred on the Secretariat of the Department of Space.

2. **Indian Space Research Organisation (ISRO) Head Quarters:** ISRO HQ: Under this, provision has been included for the expenses of Indian Space Research Organization(ISRO) Headquarters, setting up of Digital workflow systems & Spacenet Augmentation, support for conferences, symposia and ISRO Award Scheme.

3. **Indian National Space Promotion and Authorization Centre (IN-SPACE):** IN-SPACE: Indian National Space Promotion and Authorization Centre, a single window nodal agency which will permit and oversee the activities of Non-Government Private Entities which include building of launch vehicles, satellites, providing space based services, sharing of space infrastructure etc.

4. **Space Technology:** Under this, provision has been included for the activities of various ISRO Centres namely Vikram Sarabhai Space Centre, ISRO Inertial Systems Unit, Liquid Propulsion Systems Centre, ISRO Propulsion Complex, UR Rao Satellite Centre, Laboratory for Electro-Optics Systems, Satish Dhawan Space Centre, ISRO Telemetry, Tracking and Command Network, Master Control Facility, Human Spaceflight Centre, General Civil Works & Housing Works at ISRO Centres, various space technology projects

undertaken by the Department consisting of Launch Vehicle Projects & Satellite Projects including Developmental and Operational Projects.

5. **Space Applications:** Under this, provision has been included for the activities of ISRO Centres namely Space Applications Centre, Development and Educational Communication Unit, National Remote Sensing Centre, Indian Institute of Remote Sensing, various Space Application Projects and Programmes undertaken by the Department consisting of National Natural Resources Management System, Earth Observation Applications Mission & Disaster Management Support.

6. **Space Sciences:** Under this, provision has been included for the expenses of Space Science Programmes undertaken by ISRO which include Sponsored Research in Academia and Industry, Sensor Payload Development/Planetary Science Programme, Climate and Atmospheric Programme, Small Satellite for Atmospheric Studies and Astronomy, Space Science Promotion, Aditya-L1, Chandrayaan-III, X-Ray Polarimeter Mission and Space Docking Experiment Mission.

7. **INSAT Satellite Systems:** Under this, provision has been included for the expenses of various INSAT/GSAT class of Satellites including the expenses of launch service contracts & expenses on leasing of transponders.

8. **Indian Institute of Space Science and Technology (IIST):** IIST is an autonomous body under DOS with the primary objective of creating world class Institution in the area of advanced Space Science & Technology education and generating high quality human resources requirement of DOS/ISRO. The Institute has undergraduate, post-graduate and doctoral programme in the area of space science, technology and applications.

9. **Semi Conductor Laboratory (SCL):** SCL is engaged in the Design, Development and Manufacture of Very Large Scale Integrated devices and Board Level Products to meet the stringent quality requirement of strategic sectors.

10. **North Eastern Space Applications Centre (NE-SAC):** NE-SAC set up as an autonomous society jointly with North Eastern Council, is supporting the North Eastern region by providing information on natural resources utilization and monitoring, infrastructure developmental planning and interactive training using space technology inputs of remote sensing and satellite communication.

11. **National Atmospheric Research Laboratory (NARL):** NARL, a registered Society, is responsible for carrying out advanced research in atmospheric and space sciences and related disciplines.

12. **Physical Research Laboratory (PRL):** PRL, an autonomous institution funded by the Department of Space through Grant-in-aid, is one of the premier research institutions in the country carrying out basic research in several areas of experimental & theoretical physics and earth sciences. PRL is also responsible for the administration of Udaipur Solar observatory.

13. **NewSpace India Limited (NSIL):** NSIL is established to tap the benefits of the research & development carried out by Department of Space/Indian Space Research Organisation. The company will spearhead the commercialisation of various space products including productionisation of launch vehicles, transfer of technologies and marketing of space products.

14. **International Co-operation:** Under this, provision has been included for the expenses of International Co-operation and Centre for Space Science and Technology Education in Asia and the Pacific.