

STATEMENT OF BUDGET ESTIMATES										
DEPARTMENT OF SPACE										
Demand No. 93-Department of Space										
A. The Budget allocations, net of recoveries, are given below:-										(Rs. in crores)
		1998-99 Budget			1998-99 Revised			1999-2000 Budget		
	Major Head	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
	Revenue	1184.81	221.43	1406.24	1123.97	230.00	1353.97	1137.92	236.00	1373.92
	Capital	196.19	...	196.19	157.03	...	157.03	381.08	...	381.08
	Total	1381.00	221.43	1602.43	1281.00	230.00	1511.00	1519.00	236.00	1755.00
1. Secretariat - Economic Services	3451	0.02	3.19	3.21	0.02	3.40	3.42	0.03	3.68	3.71
<i>Space Research</i>										
<i>Rocket Development</i>										
2. Geo -Synchronous Launch Vehicle	3402	72.30	...	72.30	89.07	...	89.07	77.96	...	77.96
	5402	11.45	...	11.45	9.18	...	9.18	11.98	...	11.98
	<i>Total</i>	<i>83.75</i>	<i>...</i>	<i>83.75</i>	<i>98.25</i>	<i>...</i>	<i>98.25</i>	<i>89.94</i>	<i>...</i>	<i>89.94</i>
3. GSLV MK-II Development.	3402	0.01	...	0.01	0.01	...	0.01	0.10	...	0.10
	5402	0.01	...	0.01	...	...	...	...	...	...
	<i>Total</i>	<i>0.02</i>	<i>...</i>	<i>0.02</i>	<i>0.01</i>	<i>...</i>	<i>0.01</i>	<i>0.10</i>	<i>...</i>	<i>0.10</i>
4. Cryogenic Upper Stage (CUS) Project	3402	36.80	...	36.80	25.35	...	25.35	43.85	...	43.85
	5402	8.55	...	8.55	8.28	...	8.28	2.36	...	2.36
	<i>Total</i>	<i>45.35</i>	<i>...</i>	<i>45.35</i>	<i>33.63</i>	<i>...</i>	<i>33.63</i>	<i>46.21</i>	<i>...</i>	<i>46.21</i>
5. C-20 Cryogenic Stage Development.	3402	0.50	...	0.50	2.00	...	2.00	5.88	...	5.88
	5402	0.50	...	0.50	2.00	...	2.00	3.12	...	3.12
	<i>Total</i>	<i>1.00</i>	<i>...</i>	<i>1.00</i>	<i>4.00</i>	<i>...</i>	<i>4.00</i>	<i>9.00</i>	<i>...</i>	<i>9.00</i>
6. Pollar Satellite Launch Vehical - Continuation Project	3402	112.23	...	112.23	118.39	...	118.39	83.35	...	83.35
	5402	10.00	...	10.00	...	...	...	9.70	...	9.70
	<i>Total</i>	<i>122.23</i>	<i>...</i>	<i>122.23</i>	<i>118.39</i>	<i>...</i>	<i>118.39</i>	<i>93.05</i>	<i>...</i>	<i>93.05</i>
7. Vikram Sarabhai Space Centre	3402	46.25	67.68	113.93	60.45	72.74	133.19	62.51	74.80	137.31
	5402	17.19	...	17.19	13.27	...	13.27	21.20	...	21.20
	<i>Total</i>	<i>63.44</i>	<i>67.68</i>	<i>131.12</i>	<i>73.72</i>	<i>72.74</i>	<i>146.46</i>	<i>83.71</i>	<i>74.80</i>	<i>158.51</i>
8.Indian Space Research Organisation - Inertial Systems Unit(IISU).	3402	3.87	...	3.87	4.86	...	4.86	6.85	...	6.85
	5402	0.51	...	0.51	1.51	...	1.51	1.65	...	1.65
	<i>Total</i>	<i>4.38</i>	<i>...</i>	<i>4.38</i>	<i>6.37</i>	<i>...</i>	<i>6.37</i>	<i>8.50</i>	<i>...</i>	<i>8.50</i>
9. Sriharikota Centre	3402	34.72	24.42	59.14	34.70	25.40	60.10	35.55	26.41	61.96

	5402	8.24	...	8.24	7.90	...	7.90	14.92	...	14.92
	<i>Total</i>	42.96	24.42	67.38	42.60	25.40	68.00	50.47	26.41	76.88
10. ISRO Telemetry, Tracking & Command Network	3402	5.76	9.87	15.63	7.14	10.16	17.30	7.95	10.97	18.92
	5402	5.38	...	5.38	7.52	...	7.52	8.33	...	8.33
	<i>Total</i>	11.14	9.87	21.01	14.66	10.16	24.82	16.28	10.97	27.25
11. Liquid Propulsion Systems Centre	3402	15.17	18.46	33.63	17.66	19.16	36.82	17.03	21.34	38.37
	5402	7.17	...	7.17	10.78	...	10.78	5.95	...	5.95
	<i>Total</i>	22.34	18.46	40.80	28.44	19.16	47.60	22.98	21.34	44.32
12. S-200	3402	...	...	...	...	...	...	4.90	...	4.90
	5402	...	...	...	...	...	...	4.90	...	4.90
	<i>Total</i>	...	...	...	...	...	...	9.80	...	9.80
13. Second Launch Pad & Common Facilities	3402	5.00	...	5.00	0.23	...	0.23	0.50	...	0.50
	5402	45.00	...	45.00	9.77	...	9.77	82.75	...	82.75
	<i>Total</i>	50.00	...	50.00	10.00	...	10.00	83.25	...	83.25
<i>Total - Rocket Development</i>		446.61	120.43	567.04	430.07	127.46	557.53	513.29	133.52	646.81
<i>Satellite Development</i>										
14. Indian Remote Sensing Satellite (IRS) continuation.	3402	1.60	...	1.60	2.30	...	2.30	1.35	...	1.35
	5402	...	...	...	...	...	...	...	...	...
	<i>Total</i>	1.60	...	1.60	2.30	...	2.30	1.35	...	1.35
15. IRS P2/P3	3402	...	...	...	...	...	...	...	...	...
16. IRS P4 (Oceansat)	3402	13.18	...	13.18	11.89	...	11.89	1.50	...	1.50
	5402	1.82	...	1.82	1.61	...	1.61	...	...	...
	<i>Total</i>	15.00	...	15.00	13.50	...	13.50	1.50	...	1.50
17. IRS P5 (cartosat)	3402	57.91	...	57.91	41.10	...	41.10	49.42	...	49.42
	5402	12.09	...	12.09	32.40	...	32.40	29.78	...	29.78
	<i>Total</i>	70.00	...	70.00	73.50	...	73.50	79.20	...	79.20
18. IRS P6 (Resourcesat)	3402	25.29	...	25.29	24.24	...	24.24	30.99	...	30.99
	5402	4.71	...	4.71	3.46	...	3.46	6.01	...	6.01
	<i>Total</i>	30.00	...	30.00	27.70	...	27.70	37.00	...	37.00
19. G-SAT-1	3402	10.90	...	10.90	9.00	...	9.00	6.00	...	6.00
	5402	...	...	...	...	...	...	...	...	...
	<i>Total</i>	10.90	...	10.90	9.00	...	9.00	6.00	...	6.00
20. G.SAT-2 & 3	3402	0.50	...	0.50	0.01	...	0.01	9.00	...	9.00
	5402	0.50	...	0.50	...	...	...	1.00	...	1.00
	<i>Total</i>	1.00	...	1.00	0.01	...	0.01	10.00	...	10.00
21. IRS-II Satellites	3402	0.01	...	0.01	...	...	...	14.00	...	14.00
22. Direct-To-Home Satellite (including Launch Services)	3402	0.01	...	0.01	0.01	...	0.01	0.10	...	0.10
	5402	...	...	...	...	...	...	1.00	...	1.00
	<i>Total</i>	0.01	...	0.01	0.01	...	0.01	1.10	...	1.10

23. ISRO Satellite Centre	3402	32.95	23.68	56.63	27.68	23.62	51.30	28.49	24.68	53.17
	5402	9.58	...	9.58	9.19	...	9.19	8.20	...	8.20
	<i>Total</i>	<i>42.53</i>	<i>23.68</i>	<i>66.21</i>	<i>36.87</i>	<i>23.62</i>	<i>60.49</i>	<i>36.69</i>	<i>24.68</i>	<i>61.37</i>
24. Laboratory for Electro-Optics System	3402	5.84	...	5.84	5.10	...	5.10	4.72	...	4.72
	5402	0.25	...	0.25	0.32	...	0.32	3.45	...	3.45
	<i>Total</i>	<i>6.09</i>	<i>...</i>	<i>6.09</i>	<i>5.42</i>	<i>...</i>	<i>5.42</i>	<i>8.17</i>	<i>...</i>	<i>8.17</i>
<i>Total - Satellite Development</i>		<i>177.14</i>	<i>23.68</i>	<i>200.82</i>	<i>168.31</i>	<i>23.62</i>	<i>191.93</i>	<i>195.01</i>	<i>24.68</i>	<i>219.69</i>
<i>Space Applications.</i>										
25. Space Applications Centre	3402	30.22	24.05	54.27	34.47	25.07	59.54	37.60	26.00	63.60
	5402	12.39	...	12.39	9.14	...	9.14	36.88	...	36.88
	<i>Total</i>	<i>42.61</i>	<i>24.05</i>	<i>66.66</i>	<i>43.61</i>	<i>25.07</i>	<i>68.68</i>	<i>74.48</i>	<i>26.00</i>	<i>100.48</i>
26. Development and Educational Communication Unit	3402	1.62	3.92	5.54	3.65	3.92	7.57	4.97	3.92	8.89
	5402	0.35	...	0.35	1.02	...	1.02	3.05	...	3.05
	<i>Total</i>	<i>1.97</i>	<i>3.92</i>	<i>5.89</i>	<i>4.67</i>	<i>3.92</i>	<i>8.59</i>	<i>8.02</i>	<i>3.92</i>	<i>11.94</i>
27. National Natural Resources Management System	3402	7.81	...	7.81	7.11	...	7.11	7.41	...	7.41
28. National Remote Sensing Agency	3402	7.36	8.16	15.52	7.36	7.64	15.00	7.40	5.60	13.00
29. Others	3402	7.98	...	7.98	9.35	...	9.35	8.84	...	8.84
	5402	1.63	...	1.63	2.34	...	2.34	1.26	...	1.26
	<i>Total</i>	<i>9.61</i>	<i>...</i>	<i>9.61</i>	<i>11.69</i>	<i>...</i>	<i>11.69</i>	<i>10.10</i>	<i>...</i>	<i>10.10</i>
<i>Total - Space Applications</i>		<i>69.36</i>	<i>36.13</i>	<i>105.49</i>	<i>74.44</i>	<i>36.63</i>	<i>111.07</i>	<i>107.41</i>	<i>35.52</i>	<i>142.93</i>
<i>Space Sciences</i>										
30. Physical Research Laboratory	3402	7.65	9.77	17.42	9.13	9.77	18.90	8.98	9.64	18.62
31. Others	3402	11.45	0.80	12.25	12.08	0.75	12.83	16.52	0.80	17.32
	5402	0.01	...	0.01	0.18	...	0.18	...	...	...
	<i>Total</i>	<i>11.46</i>	<i>0.80</i>	<i>12.26</i>	<i>12.26</i>	<i>0.75</i>	<i>13.01</i>	<i>16.52</i>	<i>0.80</i>	<i>17.32</i>
<i>Total - Space Sciences</i>		<i>19.11</i>	<i>10.57</i>	<i>29.68</i>	<i>21.39</i>	<i>10.52</i>	<i>31.91</i>	<i>25.50</i>	<i>10.44</i>	<i>35.94</i>
32. Other Programmes	3402	18.03	20.53	38.56	11.62	21.27	32.89	12.55	20.50	33.05
	5402	10.33	...	10.33	11.12	...	11.12	63.10	...	63.10
	<i>Total</i>	<i>28.36</i>	<i>20.53</i>	<i>48.89</i>	<i>22.74</i>	<i>21.27</i>	<i>44.01</i>	<i>75.65</i>	<i>20.50</i>	<i>96.15</i>
33. Investment in Public Enterprises- Antrix Corporation Limited	5402	...	...	...	...	...	...	...	...	...
<i>INSAT Operational</i>										
34. Master Control Facility	3252	2.36	6.90	9.26	2.50	7.10	9.60	3.00	7.66	10.66
	5252	7.53	...	7.53	7.41	...	7.41	7.61	...	7.61
	<i>Total</i>	<i>9.89</i>	<i>6.90</i>	<i>16.79</i>	<i>9.91</i>	<i>7.10</i>	<i>17.01</i>	<i>10.61</i>	<i>7.66</i>	<i>18.27</i>
35. INSAT-2 Satellites (Including Launch Services)	3252	58.10	...	58.10	45.63	...	45.63	26.50	...	26.50
	5252	...	...	...	0.12	...	0.12	...	...	...
	<i>Total</i>	<i>58.10</i>	<i>...</i>	<i>58.10</i>	<i>45.75</i>	<i>...</i>	<i>45.75</i>	<i>26.50</i>	<i>...</i>	<i>26.50</i>
36. INSAT-III Satellites	3252	551.41	...	551.41	499.86	...	499.86	512.12	...	512.12

(Including Launch Services)	5252	21.00	...	21.00	8.51	...	8.51	52.88	...	52.88
	Total	572.41	...	572.41	508.37	...	508.37	565.00	...	565.00
	<i>Total - INSAT Operational</i>	640.40	6.90	647.30	564.03	7.10	571.13	602.11	7.66	609.77
37. Aid Material Equipments-Gross	3606	...	0.02	0.02	...	0.02	0.02	...	0.02	0.02
Deduct-Transfers to Functional Major Head	3606	...	-0.02	-0.02	...	-0.02	-0.02	...	-0.02	-0.02
Net-Aid Materials & Equipments	<i>Total</i>	...	...	...	...	...	...	...	...	...
Grand Total		1381.00	221.43	1602.43	1281.00	230.00	1511.00	1519.00	236.00	1755.00
		1998-99 Budget			1998-99 Revised			1999-2000 Budget		
B. Investment in Public Enterprises	Head of	Budget	IEBR	Total	Budget	IEBR	Total	Budget	IEBR	Total
	Dev.	Support			Support			Support		
1. Antrix Corporation Limited	13402	...	...	...	...	...	...	...	...	...
		1998-99 Budget			1998-99 Revised			1999-2000 Budget		
C. Plan Outlay*		Budget	IEBR	Total	Budget	IEBR	Total	Budget	IEBR	Total
		Support			Support			Support		
1. Space Research	13402	1381.00	...	1381.00	1281.00	...	1281.00	1519.00	...	1519.00