

**Table 1****NATIONAL EXPENDITURE ON RESEARCH AND DEVELOPMENT BY SECTOR****(Rs. Crores)**

<b>Sector</b>	<b>1970-71</b>	<b>1975-76</b>	<b>1980-81</b>	<b>1985-86</b>	<b>1990-91</b>	<b>1995-96</b>	<b>2001-02</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11*</b>	<b>2011-12*</b>
Central Sector	112.47	287.63	580.49	1654.06	3058.27	5199.79	11536.33	15079.95	17872.02	19551.80	21898.88	27513.88	31670.54	36737.25	42614.53
State Sector	12.58	26.73	59.34	162.78	365.92	657.02	1494.33	1941.53	2334.60	2757.79	2951.80	3562.54	3865.24	4435.91	5090.84
Private Sector	14.59	42.35	120.69	251.94	549.98	1627.07	3292.69	6038.96	8471.95	10485.58	12926.14	14365.40	15305.55	18332.88	21965.31
Higher Education Sector							714.80	1056.80	1254.01	1443.21	1660.96	1911.56	2199.97	2547.43	2949.76
<b>Total</b>	<b>139.64</b>	<b>356.71</b>	<b>760.52</b>	<b>2068.78</b>	<b>3974.17</b>	<b>7483.88</b>	<b>17038.15</b>	<b>24117.24</b>	<b>29932.58</b>	<b>34238.39</b>	<b>39437.77</b>	<b>47353.38</b>	<b>53041.30</b>	<b>62053.47</b>	<b>72620.44</b>

Source : Data collected and compiled by DST.

: Private in-house R&D units includes data taken from CMIE database, DSIR records and annual report of industries.

Note : 1. \* Estimated

2. Central Sector data includes 117 R&D units of Public Sector/Joint Sector companies.

3. State Sector includes R&D expenditure of State Agricultural Universities and other state departments/organisations.

4. The number of R&D units in the Private Sector varies from year to year as per the DSIR recognition and estimation from other sources.

5. Private Sector industries data for the year 2003-04 onwards comprised of R&D units/firms recognised by DSIR and industries /multi-national companies from CMIE database not registered with DSIR.

6. Data refers to 1746 in-house Private R&D units which include 348 SIRO units, and projected data for 65 SIRO units.

7. Based on the NSTMIS sponsored study the projected R&D Expenditure of 10584 MSME's units amounting to Rs. 214.06 crores, Rs. 223.24 crores, 232.82 crores, 234.81 crores & 252.36 crores for the year 2005-06, 2006-07, 2007-08, 2008-09 & 2009-10 respectively has been added to private sector R&D expenditure.

8. The projected expenditure for MSME's amounting to Rs. 262.74 crores and Rs. 273.54 crores for the year 2010-11 and 2011-12 has been added to private sector.

9. Data for the year 2010-11 and 2011-12 has been estimated by applying the rate of growth for the period 2004-05 to 2009-10 sector-wise.

10. Higher Education Sector includes data from 106 universities and 27 PG colleges doing R&D but excludes R&D expenditure of State Agricultural Universities & extramural project funding of central funding agencies. Data for the year 2006-07 to 2011-12 has been estimated by applying the rate of growth for the previous five years

11. Central Sector = Central Government Ministries/Department + Public Sector/joint sector industries