

Table 13**EXPENDITURE ON RESEARCH AND DEVELOPMENT BY INDUSTRY GROUPS FOR PRIVATE SECTOR
(2005-06 to 2009-10)**

Sl. No.	Industry Group	No. of R&D Units	R&D Expenditure (Rs. Crores)		R&D Expenditure as % of S.T.O.	
			2005-06	2006-07	2005-06	2006-07
1	Agriculture & Agricultural Machinery	104	345.64	406.72	0.85	0.83
2	Biotechnology	76	179.70	353.28	3.45	3.85
3	Boilers & Steam Generating Plants	1	4.31	5.36	0.27	0.23
4	Cement & Gypsum	13	38.61	37.88	0.13	0.11
5	Ceramics	12	6.02	7.82	0.20	0.22
6	Chemicals (Other than Fertilizers)	192	411.32	664.77	0.20	0.27
7	Commercial Offices, Household Equipments	9	18.70	25.85	0.32	0.35
8	Consultancy Services	8	6.59	7.11	0.70	0.66
9	Defence Industries	11	7.71	6.22	0.37	0.26
10	Drugs and Pharmaceuticals	228	2605.68	3093.46	3.62	3.45
11	Dyestuffs	8	7.47	4.64	0.72	0.48
12	Earth Moving Machinery	8	16.57	25.08	0.36	0.39
13	Electricals and Electronics Equipment	142	307.91	358.66	0.42	0.35
14	Fermentation Industries	3	1.98	1.34	0.05	0.03
15	Fertilizers	7	8.04	14.88	0.13	0.20
16	Food Processing Industries	34	29.48	45.21	0.15	0.22
17	Fuels	9	11.25	12.76	0.02	0.02
18	Glass	1	0.00	0.03	0.00	0.00
19	Glue & Gelatine	5	1.79	2.07	0.14	0.17
20	Industrial Instruments	21	23.36	21.77	0.35	0.25
21	Industrial Machinery	26	59.61	96.30	0.27	0.35
22	Information Technology	27	1678.69	1970.43	7.58	5.47
23	Leather, Leather Goods & Pickers	3	6.37	6.14	0.49	0.41
24	Machine Tools	14	10.69	17.37	0.37	0.59
25	Math. Surveying & Drawing Instruments	0	0.00	0.00	0.00	0.00
26	Medical and Surgical Appliances	10	1.32	2.35	0.67	0.75
27	Metallurgical Industries	65	78.36	98.12	0.09	0.08
28	Misc. Mechanical Engineering Industries	33	77.71	85.09	0.60	0.57
29	Papers and Pulps	19	8.96	10.26	0.19	0.20
30	Photographic Raw Film and Paper	6	0.74	4.00	0.07	0.32
31	Prime Movers	5	66.46	62.15	1.41	0.96
32	Rubber Goods	27	36.67	50.25	0.12	0.15
33	Scientific Instruments	17	13.03	10.10	4.35	2.66
34	Soaps, Cosmetics and Toilet Preparations	9	64.70	84.49	0.45	0.54
35	Sugar	18	28.71	13.73	0.04	0.02
36	Telecommunications	35	67.59	92.53	0.65	0.46
37	Textiles (Dyed, Printed, Processed)	27	15.15	17.23	0.16	0.17
38	Timber Products	3	0.35	0.29	0.09	0.05
39	Transportation	89	1164.17	1622.64	1.10	1.26
40	Vegetable Oil & Vanaspati	3	4.23	5.02	0.26	0.20
41	Miscellaneous Industries	5	1.34	1.74	0.04	0.04
	Total	1333	7416.97	9345.12	0.80	0.79

Table 13 (Contd.)

EXPENDITURE ON RESEARCH AND DEVELOPMENT BY INDUSTRY GROUPS FOR PRIVATE SECTOR

Sl. No.	Industry Group	No. of R&D Units	R&D Expenditure (Rs. Crores)		R&D Expenditure as % of S.T.O.	
			2007-08	2008-09	2007-08	2008-09
1	Agriculture & Agricultural Machinery	104	644.54	760.21	1.16	1.22
2	Biotechnology	76	506.42	552.73	3.18	3.02
3	Boilers & Steam Generating Plants	1	4.24	6.88	0.12	0.20
4	Cement & Gypsum	13	42.56	68.47	0.10	0.15
5	Ceramics	12	9.52	10.30	0.23	0.21
6	Chemicals (Other than Fertilizers)	192	730.31	786.91	0.24	0.27
7	Commercial Offices, Household Equipments	9	31.31	40.06	0.34	0.38
8	Consultancy Services	8	8.77	11.22	0.65	0.69
9	Defence Industries	11	7.89	9.48	0.26	0.28
10	Drugs and Pharmaceuticals	228	3681.98	4268.31	3.61	3.45
11	Dyestuffs	8	4.73	4.65	0.40	0.36
12	Earth Moving Machinery	8	32.62	34.03	0.34	0.46
13	Electricals and Electronics Equipment	142	459.10	483.89	0.37	0.35
14	Fermentation Industries	3	3.29	3.43	0.05	0.04
15	Fertilizers	7	22.89	14.74	0.22	0.09
16	Food Processing Industries	34	48.72	58.09	0.21	0.21
17	Fuels	9	241.86	217.13	0.27	0.22
18	Glass	1	0.08	0.38	0.01	0.03
19	Glue & Gelatine	5	2.46	8.66	0.19	0.63
20	Industrial Instruments	21	31.44	29.16	0.30	0.29
21	Industrial Machinery	26	154.20	193.31	0.50	0.41
22	Information Technology	27	2026.61	1919.96	4.84	4.31
23	Leather, Leather Goods & Pickers	3	5.04	7.06	0.28	0.38
24	Machine Tools	14	13.87	19.90	0.38	0.65
25	Math. Surveying & Drawing Instruments	0	0.00	0.00	0.00	0.00
26	Medical and Surgical Appliances	10	5.01	4.32	1.11	0.78
27	Metallurgical Industries	65	124.83	136.89	0.07	0.07
28	Misc. Mechanical Engineering Industries	33	138.42	172.10	0.81	1.28
29	Papers and Pulps	19	11.62	10.45	0.21	0.18
30	Photographic Raw Film and Paper	6	5.27	5.70	0.38	0.37
31	Prime Movers	5	83.13	93.53	1.16	1.19
32	Rubber Goods	27	62.84	87.63	0.22	0.29
33	Scientific Instruments	17	9.90	20.44	2.19	4.08
34	Soaps, Cosmetics and Toilet Preparations	9	87.53	121.69	0.49	0.48
35	Sugar	18	29.01	24.13	0.05	0.03
36	Telecommunications	35	145.95	176.30	0.86	1.35
37	Textiles (Dyed, Printed, Processed)	27	23.07	20.98	0.21	0.17
38	Timber Products	3	0.53	0.60	0.07	0.06
39	Transportation	89	2114.82	2447.15	1.52	1.82
40	Vegetable Oil & Vanaspati	3	6.98	7.22	0.22	0.20
41	Miscellaneous Industries	5	1.50	2.46	0.03	0.03
	Total	1333	11564.86	12840.56	0.83	0.85

Table 13 (Contd.)

EXPENDITURE ON RESEARCH AND DEVELOPMENT BY INDUSTRY GROUPS FOR PRIVATE SECTOR

Sl. No.	Industry Group	No. of R&D Units	R&D Expenditure (Rs. Crores)	R&D Expenditure as % of S.T.O.
			2009-10	2009-10
1	Agriculture & Agricultural Machinery	104	886.14	1.20
2	Biotechnology	76	622.76	1.81
3	Boilers & Steam Generating Plants	1	11.23	0.34
4	Cement & Gypsum	13	63.34	0.13
5	Ceramics	12	14.11	0.25
6	Chemicals (Other than Fertilizers)	192	812.24	0.25
7	Commercial Offices, Household Equipments	9	46.01	0.40
8	Consultancy Services	8	11.08	0.60
9	Defence Industries	11	12.35	0.32
10	Drugs and Pharmaceuticals	228	4545.20	3.22
11	Dyestuffs	8	4.80	0.35
12	Earth Moving Machinery	8	47.39	0.55
13	Electricals and Electronics Equipment	142	528.65	0.32
14	Fermentation Industries	3	4.01	0.04
15	Fertilizers	7	26.36	0.19
16	Food Processing Industries	34	62.49	0.21
17	Fuels	9	216.60	0.21
18	Glass	1	0.12	0.01
19	Glue & Gelatine	5	10.21	0.70
20	Industrial Instruments	21	41.82	0.42
21	Industrial Machinery	26	164.02	0.28
22	Information Technology	27	2226.55	4.87
23	Leather, Leather Goods & Pickers	3	6.97	0.34
24	Machine Tools	14	14.48	0.74
25	Math. Surveying & Drawing Instruments	0	0.00	0.00
26	Medical and Surgical Appliances	10	5.85	0.93
27	Metallurgical Industries	65	135.18	0.07
28	Misc. Mechanical Engineering Industries	33	135.43	0.86
29	Papers and Pulps	19	10.78	0.18
30	Photographic Raw Film and Paper	6	5.94	0.34
31	Prime Movers	5	110.69	1.40
32	Rubber Goods	27	81.68	0.23
33	Scientific Instruments	17	15.32	2.83
34	Soaps, Cosmetics and Toilet Preparations	9	116.39	0.51
35	Sugar	18	64.09	0.09
36	Telecommunications	35	197.51	1.24
37	Textiles (Dyed, Printed, Processed)	27	26.83	0.21
38	Timber Products	3	0.39	0.04
39	Transportation	89	2290.59	1.37
40	Vegetable Oil & Vanaspati	3	9.13	0.23
41	Miscellaneous Industries	5	2.54	0.03
	Total	1333	13587.28	0.82

Source : Data collected and compiled by DST.

Note : S.T.O. - Sales Turn Over. : R&D - Research and Development