

Table 11

## EXPENDITURE ON RESEARCH AND DEVELOPMENT BY PUBLIC/JOINT SECTOR UNDERTAKINGS, 2009-10

Ministry/Department/State	Public/Joint Sector Undertaking	R&D Expenditure (Rs. Lakhs)	R&D Expenditure as % of S.T.O.
Atomic Energy	Electronics Corporation of India Ltd.	3109.00	2.62
	Indian Rare Earth Ltd.	204.35	0.61
	Uranium Corporation of India Ltd.	109.52	0.21
Agriculture and Cooperation	Indian Farmers Fertiliser Coop. Ltd. (Consolidated)	47.73	0.01
Biotechnology	Bharat Immunologicals & Biologicals Corporation Ltd.	25.00	8.80
Chemicals and Petrochemicals	Hindustan Insecticides Ltd.	10.00	0.05
	Hindustan Organic Chemicals Ltd.	113.60	0.22
Coal	Central Mine Planning & Design Institute Ltd.	3743.37	8.19
	Neyveli Lignite Corporation Ltd.	866.74	0.18
	The Singareni Collieries Company Ltd.	514.92	0.07
Communication & Information Technology	CMC Ltd.	744.00	1.05
Defence Production and Supplies	BEML Ltd. (Formerly Bharat Earth Movers Ltd.)	9720.18	2.73
	Bharat Dynamics Ltd.	635.39	1.01
	Bharat Electronics Ltd.	31665.85	6.07
	Goa Shipyard Ltd.	326.95	0.38
	Hindustan Aeronautics Ltd. (Consolidated)	55445.03	9.53
	Mishra Dhatu Nigam Ltd.	234.02	0.63
Fertilizers	The Fertilisers & Chemicals Travancore Ltd.	48.39	0.02
	Rashtriya Chemicals & Fertilizers Ltd.	212.94	0.04
Heavy Industry	Bharat Heavy Plate & Vessels Ltd.	104.13	1.00
	Bharat Heavy Electricals Ltd.	82927.00	2.43
	Bharat Pumps & Compressore Ltd.	12.67	0.05
	Burn Standard Company Ltd.	17.00	0.00
	Cement Corporation of India Ltd.	3.12	0.01
	Heavy Engineering Corporation Ltd.	101.00	4.71
	Hindustan Cables Ltd.	60.00	16.67
	Hindustan Newsprint Ltd.	43.40	0.15
	Hindustan Paper Corporation Ltd.	879.87	1.02
	Hindustan Photofilm Ltd.	78.00	2.97
	Hindustan Salts Ltd.	2.08	0.11
	HMT Ltd. (Consolidated)	256.78	1.12
	Instrumentation Ltd.	28.62	0.11
	Nepa Ltd.	72.98	1.16
	Rajasthan Electronics & Instruments Ltd.	134.56	0.01
	Sambhar Salts Ltd.	3.93	0.42
Scooters india Ltd.	19.01	0.14	
Tyre Corporation of India Ltd.	15.00	2.84	
Micro Small Industries and Medium enterprises	The National Small Industries Corporation Ltd.	9.00	2.29

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Mines	Hindustan Copper Ltd.	825.00	0.58
	Hindustan Zinc Ltd.	675.00	0.08
	Mineral Exploration Corporation Ltd.	0.10	0.00
	National Aluminium Company Ltd.	266.79	0.05
Petroleum and Natural Gas	Balmer Lawrie & Company Ltd.	376.57	0.22
	Bharat Petroleum Corporation Ltd.	3697.99	0.03
	Engineers India Ltd.	1071.00	1.11
	GAIL india Ltd.	16.17	0.00
	Hindustan Petroleum Corporation Ltd. (Consolidated)	1857.14	0.01
	Indian Oil Corporation Ltd	25001.00	0.09
	Chennai Petroleum Corporation Ltd.	756.01	0.03
	Oil & Natural Gas Corporation Ltd.	25860.30	0.42
	Oil India Ltd.	2249.00	0.29
Pharmaceuticals	Bengal Chemicals & Pharmaceuticals Ltd.	10.00	0.10
	Hindustan Antibiotics Ltd.	126.48	1.07
	Karnataka Antibiotics & Pharmaceuticas Ltd.	45.66	0.21
Power	Power Grid Corporation of India Ltd.	429.00	0.06
	National Hydroelectric Power Corporation Ltd.	58.00	0.01
	National Thermal Power Corporation Ltd.	2200.00	0.04
Scientific & Industrial Research	Central Electronics Ltd.	1249.78	10.91
Shipping	Cochin Shipyard Ltd.	200.00	0.16
Social Justice & Empowerment	Artificial Limbs Manufacturing Corporation of India	55.64	0.88
Steel	Steel Authority of India Ltd. (Alloy Steel Plant)	69.00	0.06
	Bharat Refractories Ltd.	43.00	0.29
	Ferro Scrap Nigam Ltd.	4.44	0.03
	KIOCL Ltd.	21.25	0.02
	MOIL Ltd.	287.71	0.30
	MECON Ltd.	225.78	0.37
	NMDC Ltd.	1507.45	0.21
	Rashtriya Ispat Nigam Ltd.	1266.00	0.12
	Steel Authority of India Ltd.	10726.00	0.24
Telecommunications	ITI Ltd. (Consolidated)	2555.51	0.40
Textiles	National Textile Corporation Ltd. (Consolidated)	60.39	0.18
	The Lagan Jute Machinery Co. Ltd.	20.17	1.26
Gujarat	Gujarat Alkalies & Chemicals Ltd.	137.67	0.10
	Gujarat Insecticides Ltd.	32.71	0.24
	Gujarat Narmada Valley Fertilizers Company Ltd.	155.03	0.06
	Gujarat State Fertilizers & Chemicals Ltd.	1322.89	0.33

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Ministry/Department/State	Public/Joint Sector Undertaking	R&D Expenditure (Rs. Lakhs)	R&D Expenditure as % of S.T.O.
Haryana	Haryana Leather Chemicals Ltd.	82.84	2.40
	Haryana State Electronics Development Corporation Ltd.	511.04	10.94
Karnataka	The Hutti Gold Mines Company Ltd.	7.85	0.02
	Karnataka Power Transmission Corporation Ltd.	89.00	0.10
	Karnataka Soaps & Detergents Ltd.	83.11	0.46
Kerala	Keltron Component Complex Ltd.	6.48	0.15
	Kerala Agro Machinery Corporation Ltd.	2.34	0.02
	Kerala Automobiles Ltd.	9.98	0.47
	Kerala Electrical Allied Engineering Company Ltd.	26.40	0.25
	The Kerala Minerals & Metals Ltd.	26.90	0.06
	Kerala State Drugs & Pharmaceuticals Ltd.	7.25	0.49
	Kerala State Electricity Board.	111.20	0.02
	Transformers & Electricals Kerala Ltd.	5.75	0.03
Travancore Titanium Products Ltd.	126.51	1.05	
Maharashtra	Haffkine Bio- Pharmaceutical Corp. Ltd.	27.73	0.16
	Maharashtra State Seeds Corporation Ltd.	24.88	0.07
Punjab	Punjab Chemicals & Crop Protection Ltd.	196.62	0.93
	Punjab Tractors Ltd. (Merged with Mahindra & Mahindra Ltd.)	1266.84	0.66
Tamil Nadu	Tamil Nadu Cooperative Sugar Federation Ltd.	3.57	4.46
	Tamil Nadu Generation & Distribution Corporation Ltd.	139.56	0.01
	Tamil Nadu Newsprint & Papers Ltd.	353.83	0.34
	Tamil Nadu Petroproducts Ltd.	34.16	0.04
Uttar Pradesh	Pradeshik Co- operative Dairy Federation Ltd.	18.70	0.04
West Bengal	Webel Electronic Communication Systems Ltd.	11.34	0.02
	Webel Mediatronics Ltd.	241.27	33.14
	WEBFIL Ltd.	34.12	1.51
<b>Total</b>		<b>281456.03</b>	<b>0.27</b>

Source : Data collected and compiled by DST.

Note : 1. R&amp;D - Research and Development

2. S.T.O. - Sales Turnover