

Annexures

1. **Statement on Recognition of In-house R&D Units**
2. **Statement on Renewal of Recognition of In-house R&D Units whose Recognition was valid upto 31-03-2018**
3. **List of In-house R&D Units in Industry Reporting Annual Expenditure more than ₹ 5000.00 lakhs**
4. **List of In-house R&D Units in Industry Reporting Annual Expenditure in the Range of ₹ 500.00 lakhs to ₹ 5000.00 lakhs**
5. **List of In-house R&D Units in Industry Reporting Annual Expenditure in the Range of ₹ 200.00 lakhs to ₹ 500.00 lakhs.**
6. **List of Scientific and Industrial Research Organizations (SIROs) recognized during the year/period December 2017 to March 2019**
7. **List of Companies approved u/s 35(2AB) of Income Tax Act, 1961**
8. **Certificates for claiming accelerated depreciation allowance issued by DSIR under rule 5(2) of I.T. Rules vide Notification No. 133/342/86-TPL Dated 1.4.1987**
9. **Details of projects supported under Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) Scheme**
10. **Details of completed projects supported under Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) Scheme**
11. **Cumulative list of TDDP/PATSER projects commercialized so far**
12. **Representation of SCs, STs & OBCs and Representation of Persons with Disabilities**
13. **Extracts of Audit Observations by CAG**
14. **MOUs/MOAs/Agreements signed during 2017-18 by NRDC**
15. **Processes Assigned to NRDC by Institutions**
16. **Processes Licensed during 2017-18 by NRDC**



ANNEXURES

ANNEXURE - 1

STATEMENT ON RECOGNITION OF IN-HOUSE R&D UNITS

Month	Year	Receipts*	Cumulative Receipts	Disposal	Cumulative Disposal
January	2018	20	29	19	19
February	2018	28	57	20	39
March	2018	32	89	34	73
April	2018	35	124	28	101
May	2018	23	147	28	129
June	2018	21	168	21	150
July	2018	20	188	23	173
August	2018	25	213	22	195
September	2018	24	237	29	224
October	2018	14	251	19	243
November	2018	20	271	20	263
December	2018	25	296	16	279
January	2019	40	336	18	297
February	2019	32	368	37	334
March	2019	20	388	38	372

* includes 40 applications for additional R&D centres during the year 2018.

Note: A pendency of 09 applications was carried forward from year 2017



ANNEXURE - 2

STATEMENT ON RENEWAL OF RECOGNITION OF IN-HOUSE R&D UNITS WHOSE RECOGNITION WAS VALID UPTO 31 March 2018

Month	Year	Receipts	Cumulative Receipts	Disposal	Cumulative Disposal
January	2018	184	184	-	-
February	2018	92	276		
March	2018	208	484		
April	2018	72	556	140	140
May	2018	14	570	95	235
June	2018	4	574	115	350
July	2018	9	583	75	425
August	2018	4	587	50	475
September	2018	14	601	45	520
October	2018	2	603	15	535
November	2018	1	604	10	545
December	2018	2	606	20	565
January	2019	248	248	30	595
February	2019	270	518	4	599
March	2019	78	596	1	601

LIST OF IN-HOUSE R&D UNITS IN INDUSTRY REPORTING ANNUAL EXPENDITURE MORE THAN ₹ 5000.00 LAKHS

Sl. No.	Name of the Company	R&D Expenditure Reported (Rupees in lakhs) *
1.	Ajanta Pharma Ltd.	11500
2.	Alembic Pharmaceuticals Ltd.	12162
3.	Apollo Tyres Ltd.	10427
4.	Ashok Leyland Ltd.	29286
5.	Asian Paints Ltd.	7164
6.	Astra Microwave Products Ltd.	8196
7.	Aurigene Discovery Technologies Ltd.	11100
8.	Aurobindo Pharma Ltd.	34163
9.	Avl Technical Centre Pvt. Ltd.	6463
10.	Bajaj Auto Ltd.	24500
11.	Basf Chemicals India Pvt. Ltd.	6147
12.	Bayer Bioscience Pvt. Ltd.	6372
13.	Beml Ltd.	8292
14.	Bharat Dynamics Ltd.	14993
15.	Bharat Electronics Ltd.	85351
16.	Bharat Heavy Electrical Ltd.	111379
17.	Biocon Ltd.	7097
18.	Biocon Research Ltd.	8031
19.	Biological E Ltd.	12282
20.	Bioseed Research India (A Division Of Dcm Shriram Consolidated Ltd.)	6334
21.	Bosch Ltd.	15957
22.	Brakes India Ltd.	6026
23.	Cadila Health Care Ltd.	53800
24.	Cadila Pharmaceuticals Ltd.	8769
25.	Ceat Ltd.	13,175
26.	Cipla Ltd.	19513
27.	Comviva Technologies Ltd.	5100
28.	Crompton Greaves Ltd.	6100
29.	Daikin Airconditioning India Pvt. Ltd.	5013
30.	Daimler India Commercial Vehicles Pvt. Ltd.	24242

(Contd)



Annexures

Sl. No.	Name of the Company	R&D Expenditure Reported (Rupees in lakhs) *
31.	Defence Land Systems India Ltd.	5218
32.	Delphi Automotive Systems Pvt. Ltd.	12892
33.	Dr. Reddy's Laboratories Ltd.	78761
34.	Edgeverve Systems Ltd.	62100
35.	Ei Dupont India Pvt. Ltd.	12427
36.	Eisai Pharmaceuticals India Pvt. Ltd	7352
37.	Emcure Pharmaceuticals Ltd.	15000
38.	Escorts Ltd.	10950
39.	Force Motors Ltd.	10183
40.	Fresenius Kabi Oncology Ltd.	21211
41.	Gland Pharma Ltd.	6100
42.	Glenmark Pharmaceuticals Ltd.	16200
43.	Grasim Industries Ltd.	9750
44.	Havells India Ltd.	7669
45.	Hero Moto Corp Ltd.	12696
46.	Hindustan Aeronautics Ltd.	12063
47.	Hospira Healthcare India Pvt. Ltd.	22506
48.	Indian Oil Corporation Ltd.	22656
49.	Ind-Swift Laboratories Ltd.	9825
50.	Intas Pharmaceuticals Ltd.	21186
51.	IPCA Laboratories Ltd.	14042
52.	ITC Ltd.	15337
53.	John Deere India Pvt. Ltd	13300
54.	Johnson & Johnson Ltd.	9586
55.	JSW Steel Ltd.	7378
56.	Jubilant Biosys Ltd.	12789
57.	Jubilant Generics Ltd.	13526
58.	Kansai Nerolac Paints Ltd.	7000
59.	Landis+Gyr Ltd.	6700
60.	Larsen & Toubro Ltd.	25319
61.	LG Electronics India Pvt. Ltd.	6360
62.	Lupin Ltd.	90521
63.	Macleods Pharmaceuticals Ltd.	16254
64.	Maharashtra Hybrid Seeds Co. Pvt. Ltd.	8409
65.	Mahindra & Mahindra Ltd.	101582

(Contd.)

Annexures

Sl. No.	Name of the Company	R&D Expenditure Reported (Rupees in lakhs) *
66.	Maruti Suzuki India Ltd.	89028
67.	Mazgaon Dock	7571
68.	Medha Servo Drives Pvt. Ltd.	15027
69.	Micro Labs Ltd.	7971
70.	MRF Ltd.	10650
71.	MSD Wellcome Trust Hilleman Laboratories Pvt. Ltd.	5092
72.	Mylan Laboratories Ltd	59250
73.	Mylan Pharmaceuticals Pvt. Ltd.	9263
74.	Natco Pharma Ltd.	7765
75.	Nektar Therapeutics (India) Pvt. Ltd.	5715
76.	New Holland Fiat (India) Pvt. Ltd.	7052
77.	Novartis Healthcare Pvt. Ltd.	9165
78.	NTPC Ltd.	18498
79.	Oil and Natural Gas Corporation Ltd.	59186
80.	Oil India Ltd.	8258
81.	Oracle Financial Services Software Ltd.	23310
82.	Orbicular Pharmaceutical Technologies Pvt. Ltd.	5956
83.	Panacea Biotech Ltd.	6650
84.	PI Industries Ltd.	6536
85.	Pioneer Hi Bred Pvt. Ltd.	11013
86.	Piramal Enterprises Ltd.	16331
87.	Praj Industries Ltd.	5646
88.	Reliance Industries Ltd.	121805
89.	Rolta India Ltd.	22500
90.	Secure Meters Ltd.	6859
91.	Serum Institute Of India Ltd.	12081
92.	Shantha Biotechnics Ltd.	14763
93.	SRF Ltd.	5050
94.	Steel Authority Of India Ltd.	26420
95.	Stelis Biopharma Pvt. Ltd.	7992
96.	Strides Shasun Ltd	18599
97.	Sun Pharma Advances Research Company Ltd.	32839
98.	Sun Pharmaceutical Industries Ltd.	95293
99.	Suven Life Sciences Ltd.	6972
100.	Syngene International Ltd.	76832

(Contd.)



Annexures

Sl. No.	Name of the Company	R&D Expenditure Reported (Rupees in lakhs) *
101.	Syngenta India Ltd.	9266
102.	Tata Consultancy Services (Tcs) Ltd.	22507
103.	Tata Hitachi Construction Machinery Company Pvt. Ltd.	11130
104.	Tata Motors Ltd.	247331
105.	Tata Steel Ltd.	6230
106.	Tejas Networks Ltd.	7654
107.	The Himalaya Drug Company	5100
108.	The Tata Power Co. Ltd.	29900
109.	Torrent Pharmaceuticals Ltd.	23668
110.	TVS Motor Co. Ltd.	20500
111.	Unichem Laboratories Ltd.	6750
112.	UPL Ltd.	10621
113.	USV Pvt. Ltd. (Formerly USV Ltd.)	19936
114.	VE Commercial Vehicles Ltd.	22209
115.	Veeda Clinical Research Pvt. Ltd.	7067
116.	Virchow Laboratories Ltd.	7955
117.	Watson Pharma Pvt. Ltd.	12745
118.	Wipro Ge Healthcare Pvt. Ltd.	75471
119.	Wockhardt Ltd.	11500
120.	Zoetis Pharmaceutical Research Pvt. Ltd.	10557

R&D expenditures reported are as claimed by the firms in their available Annual reports/recognition/renewal applications.

ANNEXURE - 4

LIST OF IN-HOUSE R&D UNITS IN INDUSTRY REPORTING ANNUAL EXPENDITURE IN THE RANGE OF ₹ 500.00 LAKHS TO ₹ 5000.00 LAKHS

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
1.	Bharat Petroleum Corporation Ltd.	4948
2.	Tafe Motors And Tractors Ltd.	4909
3.	Eicher Motors Ltd.	4830
4.	Shahi Exports Pvt Ltd	4638
5.	Endurance Technologies Ltd. (Formerly Endurance Technologies Pvt. Ltd.)	4568
6.	Nucleus Software Exports Ltd.	4497
7.	Vihan Networks Ltd.	4481
8.	Tevapharm India Pvt. Ltd.	4451
9.	Hetero Drugs Ltd.	4437
10.	Electronics Corporation Of India Ltd.	4328
11.	Bharat Forge Ltd.	4313
12.	Venco Research & Breeding Farm Ltd.	4197
13.	United States Pharmacopeia India Pvt. Ltd.	4108
14.	Central Mine Planning & Design Inst. Ltd.	4062
15.	Eastman Exports Global Clothing (P) Ltd.	4015
16.	Tata Chemicals Ltd	3994
17.	Tractors & Farm Equipment Ltd.	3943
18.	Welspun India Ltd.	3885
19.	J B Chemicals & Pharmaceuticals Ltd.	3850
20.	Ramco Systems Ltd.	3829
21.	Hindalco Industries Ltd.	3821
22.	Indofil Industries Ltd	3793
23.	Amneal Pharmaceutical Pvt. Ltd.	3762
24.	JK Tyre & Industries Ltd.	3650
25.	Balkrishna Industries Ltd.	3625
26.	Pricol Ltd.	3610
27.	Perrigo Laboratories India Pvt. Ltd.	3549
28.	Fleetguard Filters Pvt. Ltd.	3518
29.	Gharda Chemicals Ltd.	3514
30.	Sanofi-Synthelabo (India) Ltd.	3501
31.	Hikal Ltd.	3500

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
32.	Teva Api India Ltd.	3500
33.	Delphi -Tvs Diesel System Ltd.	3474
34.	Virchow Biotech Pvt. Ltd.	3429
35.	Reliance Life Sciences Pvt. Ltd.	3425
36.	Eugia Pharma Specialities Ltd	3379
37.	Essar Steel Ltd.	3350
38.	Varroc Engineering Pvt. Ltd.	3287
39.	Lucas-Tvs Ltd.	3278
40.	Marico Ltd.	3255
41.	Kirloskar Oil Engines Ltd.	3232
42.	MSN Laboratories Pvt. Ltd.	3229
43.	Arvind Ltd.	3197
44.	Mahindra Reva Electric Vehicles Pvt. Ltd.	3185
45.	Mahindra Reva Electric Vehicles Ltd.	3185
46.	Aptuit Laurus Pvt. Ltd.	3140
47.	Nuziveedu Seeds Pvt. Ltd.	3055
48.	Shilpa Medicare Ltd.	3044
49.	KSS Abhishek Safety Systems Pvt. Ltd.	3024
50.	Symmetrix Biotech Pvt. Ltd.	2958
51.	Subros Ltd.	2950
52.	Tata Cummins Pvt. Ltd.	2940
53.	East West Seeds India Pvt. Ltd.	2929
54.	Elgi Equipments Ltd.	2912
55.	Biophore India Pharmaceuticals Ltd.	2891
56.	International Tractors Ltd.	2850
57.	Cummins India Ltd.	2809
58.	Thermax Ltd.	2799
59.	IFB Industries Ltd.	2780
60.	Orchid Chemicals And Pharmaceuticals Ltd.	2763
61.	Ultratech Cement Ltd.	2731
62.	Greaves Cotton Ltd.	2717
63.	Bharat Serums And Vaccines Ltd.	2715
64.	Coreel Technologies (India) Pvt. Ltd.	2711
65.	Apex Laboratories Pvt. Ltd	2700
66.	Lumax Industries Ltd.	2700
67.	Indian Immunologicals Ltd.	2650

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
68.	Nunhems India Pvt. Ltd.	2628
69.	Jain Irrigation Systems Ltd.	2602
70.	Turbo Energy Ltd.	2600
71.	Philips Lighting India Ltd.	2590
72.	Getz Pharma Research Pvt. Ltd.	2578
73.	FDC Ltd.	2544
74.	Berger Paints India Ltd.	2540
75.	Advanta India Ltd.	2521
76.	Sterlite Technologies Ltd.	2500
77.	Therdose Pharma Pvt. Ltd.	2488
78.	Rasi Seeds (P) Ltd.	2451
79.	Lohia Crop Ltd.	2444
80.	Ankur Seeds Pvt. Ltd.	2442
81.	Whirlpool of India Ltd.	2440
82.	Fibcom India Ltd.	2400
83. <i>closed</i>	Luk India Pvt. Ltd.	2374
84.	TVS Srichakra Ltd.	2359
85.	Dabur India Ltd.	2325
86.	Reverse Logistics Company Pvt. Ltd.	2300
87.	Pidilite Industries Ltd.	2289
88.	Venkateshwara Research & Breeding Farm (P) Ltd.	2255
89.	Jayem Automotives Ltd.,	2250
90.	Motherson Sumi System Ltd.	2250
91.	Mando Automotive India Pvt. Ltd.	2230
92.	KPIT Techonologies Ltd.	2227
93.	Yanfeng India Automative Interior System Pvt .Ltd.,	2227
94.	Umedica Laboratories Pvt. Ltd.	2223
95.	Su-Kam Power Systems Ltd.	2200
96.	Tenshi Kaizen Private Ltd.	2181
97.	Rallis India Ltd.	2167
98.	Inventia Healthcare Pvt. Ltd.	2160
99.	Aurangabad Electricals Ltd.	2147
100.	Stempeutics Research Pvt. Ltd.	2128
101.	Medreich Ltd.	2125
102.	Titan Company Ltd (Formerly Titan Industries Ltd.)	2123
103.	Tube Investments Of India Ltd.	2120

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
104.	Camson Bio Technologies Ltd.	2110
105.	Aizant Drug Research Solutions Pvt. Ltd.	2100
106.	Venus Remedies Ltd.	2100
107.	Piaggio Vehicles Pvt. Ltd.	2065
108.	NMDC Ltd.	2050
109.	Botil Oil Tools India Pvt. Ltd.	2030
110.	Biogenomics Ltd.	2026
111.	Lambda Therapeutic Research Ltd.	2008
112.	Centaur Pharmaceuticals Pvt. Ltd.	2002
113.	Tally Solutions Pvt. Ltd.	1985
114.	Divi's Laboratories Ltd.	1966
115.	Godfrey Phillips India Ltd.	1949
116.	Enzene Biosciences Ltd.	1928
117.	Marksans Pharma Ltd.	1920
118.	Dtl Ancillaries Ltd.	1915
119.	PPG Asian Paints Pvt. Ltd.	1912
120.	Navin Fluorine International Ltd.	1905
121.	Bisco Bio-Sciences (P) Ltd.	1900
122.	Luminous Power Technologies (P) Ltd.	1900
123.	MJ Biopharma Pvt. Ltd.	1895
124.	Ajeet Seeds Pvt. Ltd.	1894
125.	Sripathi Paper And Boards Pvt. Ltd.	1893
126.	Vergo Pharma Research Laboratories .	1886
127.	Mankind Pharma Ltd.	1866
128.	Metahelix Life Sciences Ltd	1839
129.	Jindal Steel & Power Ltd.	1808
130.	Promed Exports Ltd.	1804
131.	Bajaj Electricals Ltd.	1800
132.	SML Isuzu Ltd.	1775
133.	KEC International Ltd.	1750
134.	Cooper Corporation Pvt. Ltd.	1741
135.	Sundaram Fastners Ltd.	1725
136.	Rane Brake Lining Ltd.	1700
137.	Solara Active Pharma Sciences Ltd.	1688
138.	Gennova Biopharmaceuticals Ltd	1687
139.	Aura Semiconductor Pvt. Ltd.	1684

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
140.	Vivimed Labs Ltd.	1670
141.	Wheels India Ltd.	1653
142.	Neyveli Lignite Corporation Ltd.	1650
143.	Claas India Pvt. Ltd.	1647
144.	Incozen Therapeutics Pvt. Ltd.	1639
145.	Tata Elxsi Ltd.	1631
146.	Manjushree Technopack Ltd.	1600
147.	Mishra Dhatu Nigam Ltd.	1600
148.	Engineers India Ltd.	1593
149.	Adama India Pvt. Ltd.	1585
150.	JK Agri Genetics Ltd.	1578
151.	National Aluminium Company Ltd.	1575
152.	Kuantum Papers Ltd	1572
153.	Cavinkare Pvt. Ltd.	1561
154.	Deccan Fine Chemicals (India) Pvt. Ltd.	1560
155.	Exide Industries Ltd.	1550
156.	Vyome Biosciences Pvt. Ltd.	1545
157.	Venkateshwara Hatcheries Pvt. Ltd.	1525
158.	Indoco Remedies Ltd.	1520
159.	Porus Laboratories Pvt. Ltd.	1506
160.	Simpson & Co. Ltd.	1500
161.	RPG Life Sciences Ltd.	1498
162.	Vem Technologies Pvt.Ltd.	1487
163.	Tata Autocomp Systems Ltd.	1478
164.	G.G.Automotive Gears Ltd.	1477
165.	Minda Stoneridge Instruments Ltd.	1477
166.	Pharmazz India Pvt. Ltd.	1476
167.	Amara Raja Batteries Ltd.	1470
168.	Granules India Ltd.	1469
169.	Monsanto Holdings Pvt.Ltd.	1465
170.	Sipra Labs Ltd.	1457
171.	Minda Industries Ltd.	1455
172.	Shriram Pistons & Rings Ltd.	1452
173.	MMTC-Pamp India Pvt. Ltd.	1450
174.	Rasayani Biologics Pvt Ltd.	1450
175.	Symed Labs Ltd.	1444

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
176.	Megafine Pharma Pvt. Ltd.	1440
177.	JBM Auto Ltd.	1437
178.	Britannia Industries Ltd.	1421
179.	Hitachi Home & Life Solutions (India) Ltd.	1405
180.	Balmer Lawrie & Company Ltd.	1404
181.	Monsanto India Ltd.	1403
182.	RRB Energy Ltd.	1400
183.	Wanbury Ltd.	1400
184.	Lakshmi Machine Works Ltd.	1376
185.	Mahle Behr India Pvt. Ltd.	1376
186.	Windlas Healthcare (P) Ltd.	1366
187.	SH Kelkar & Company Pvt. Ltd.	1362
188.	Curadev Pharma Pvt. Ltd.	1350
189.	L&T Valves Ltd.	1320
190.	Hetero Labs Ltd	1319
191.	Visteon Automotive Systems India Pvt. Ltd.	1317
192.	Nagarjuna Fertilizers & Chemicals Ltd.	1307
193.	Comstar Automotive Technologies Pvt. Ltd.	1298
194.	Shipla Biotech Pvt. Ltd.	1296.
195.	Sphaera Pharma Pvt. Ltd.	1280
196.	Sud Chemie India Ltd.	1275
197.	Laxai Life Sciences Pvt. Ltd.	1274
198.	Exicom Tele-Systems Ltd.	1272
199.	Seedworks International Pvt. Ltd.	1270
200.	Fiem Industries Ltd.	1266
201.	VVDN Technologies Pvt. Ltd.	1258
202.	Nath Biogene (I) Ltd.	1250
203.	Triveni Turbine Ltd.	1250
204.	Grauer & Weil (India) Ltd.	1248
205.	Rasi Hyveg Pvt. Ltd.	1247
206.	J. K. Fenner (India) Ltd.	1240
207.	L&T Hydrocarbon Engineering Ltd.	1233
208.	SKI Carbon Black (India) Pvt. Ltd.	1228
209.	Autometers Alliance Ltd.	1225
210.	Suguna Foods Pvt. Ltd.	1216

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
211.	Wabco-Tvs (India) Ltd.	1215
212.	National Engineering Industries Ltd.	1209
213.	Jubilant Life Sciences Ltd.	1205
214.	Gabriel India Ltd.	1200
215.	Genus Power Infrastructures Ltd.	1200
216.	The Kerala Mineral & Metals Ltd.	1200
217.	Transgene Biotek Ltd.	1200
218.	Unijules Life Science Ltd.	1200
219.	Omniactive Health Technologies Pvt. Ltd.	1196
220.	Perfint Healthcare Pvt. Ltd.	1196
221.	Dishman Pharmaceuticals & Chemicals Ltd.	1183
222.	Kaveri Seed Company (P) Ltd.	1183
223.	Caplin Point Laboratories Ltd.	1181
224.	Troikaa Pharmaceuticals Ltd.	1169
225.	Ind-Swift Ltd.	1167
226.	Flowmore Ltd.	1163
227.	Hawa Valves (India) Pvt. Ltd.	1155
228.	Advanced Enzyme Technologies Ltd	1150
229.	Godrej Consumer Products Ltd.	1150
230.	Madras Engineering Industries Pvt. Ltd.	1150
231.	Nelcast Ltd.	1150
232.	Ittiam Systems Pvt. Ltd.	1141
233.	Eternis Fine Chemicals Ltd.	1140
234.	Aarti Industries Ltd.	1138
235.	Sequent Scientific Ltd.	1138
236.	Krishidhan Seeds Pvt. Ltd.	1132
237.	Raychem RPG (P) Ltd.	1124
238.	Yazaki India Pvt. Ltd.	1120
239.	Skaray Technologies Pvt. Ltd.	1107
240.	Syngenta Biosciences Pvt. Ltd.	1106
241.	Matrix Comsec Pvt. Ltd	1104
242.	Alpha Design Technologies Pvt. Ltd.	1100
243.	Evolva Biotech Pvt. Ltd.	1100
244.	Mistral Solution Pvt. Ltd.	1100
245.	Sundaram Clayton Ltd.	1100

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
246.	Mahashakti Energy Ltd.	1090
247.	Hytech Seed India Pvt. Ltd.	1081
248.	Parle Global Technologies Pvt. Ltd.	1080
249.	V-Guard Industries Ltd.	1069
250.	Neuland Laboratories Ltd.	1065
251.	Hindustan Petroleum Corporation Ltd.	1060
252.	Icomm Tele Ltd.	1060
253.	GRP Ltd.	1055
254.	Structwel Designers & Consultants Pvt. Ltd.	1055
255.	Anthem Biosciences Pvt. Ltd.	1050
256.	Jyoti CNC Automation Ltd.	1050
257.	Ceat Specialty Tyres Ltd.	1047
258.	Mann And Hummel Filter Pvt Ltd.	1035
259.	Bilcare Ltd.	1027
260.	Sanzyme Ltd.,	1015
261.	TTP Technologies Pvt. Ltd.	1012
262.	Allengers Medical Systems Ltd.	1000
263.	Asphar Research Labs Pvt. Ltd.	1000
264.	Balaji Amines Ltd.	1000
265.	Kennametal India Ltd.	1000
266.	Avtec Ltd.	991
267.	Clearsynth Labs Ltd.	990
268.	Sudarshan Chemical Industries Ltd.	989
269.	Spicer India Pvt. Ltd.	987
270.	JK Lakshmi Cement Ltd.	985
271.	Anu Industries Ltd.	982
272.	Nirmal Seeds Pvt. Ltd.	981
273.	Atul Ltd.	980
274.	Economic Explosives Ltd.	975
275.	Sai Life Sciences Ltd.	975
276.	Kalpataru Power Transmission Ltd.	972
277.	J Mitra & Co. Pvt. Ltd.	970
278.	Malladi Drugs & Pharmaceuticals Ltd.	969
279.	Meritor HVS (India) Ltd.	969
280.	Gujarat State Fertilizers & Chemicals Ltd.	960

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
281.	Mindarika Pvt. Ltd.	960
282.	Padmini VNA Mechatronics Pvt. Ltd.	960
283.	PHI Seeds Ltd.	952
284.	Krishna Maruti Ltd.	950
285.	Poly Medicure Ltd.	950
286.	Minda Corporation Ltd	946
287.	Godrej Agrovet Ltd.	945
288.	Propel Industries Pvt. Ltd.	939
289.	Coromandel International Ltd. (Formerly Coromandel Fertilizers Ltd.)	936
290.	Ganga Kaveri Seeds Pvt. Ltd.	925
291.	Muez Hest India Pvt. Ltd.	925
292.	Gowrie Research Private Ltd.	923
293.	Phillips Carbon Black Ltd.	921
294.	Enaltec Labs Pvt. Ltd.	920
295.	Mahle Filter Systems (India) Ltd.	910
296.	RA Chem Pharma Ltd.	904
297.	C.R.I. Pumps Pvt. Ltd.	900
298.	SFO Technologies Pvt. Ltd.	896
299.	G.Surgiwear Ltd.	895
300.	Indo-American Hybrid Seeds (India) Pvt. Ltd.	885
301.	Sami Labs Ltd.	883
302.	Kirloskar Ferros Industries Ltd.	879
303.	Accord Software & Systems Pvt. Ltd.	875
304.	Nova Integrated Systems Ltd.	872
305.	Transasia Bio-Medicals Ltd.	872
306.	Aarti Drugs Ltd.	870
307.	Chennai Petroleum Corpn. Ltd.	870
308.	Puniska Healthcare Pvt. Ltd.	866
309.	Emco Ltd.	864
310.	Thyssenkrupp Industries India Pvt. Ltd.	855
311.	Valeo Friction Materials India Pvt.Ltd.	851
312.	Kluber Lubrication India Pvt. Ltd.	850
313.	NRB Bearings Ltd.	850
314.	UCAL Fuel Systems Ltd.	850
315.	Tuscano Equipments Pvt. Ltd.	845

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
316.	Blue Star Ltd.	842
317.	Gujarat Alkalies & Chemicals Ltd.	840
318.	Kajaria Ceramics Ltd.	840
319.	Smilax Laboratories Ltd.	840
320.	TD Power Systems Ltd.	840
321.	Mahindra Agri Solutions Ltd.	837
322.	Aspiro	836
323.	Tata Autocomp Hendrickson Suspensions Pvt. Ltd.	836
324.	United Spirits Ltd.	835
325.	Embio Ltd.	832
326.	Zen Technologies Ltd.	832
327.	Silab Tech Pvt. Ltd.	830
328.	Case New Holland Construction Equipment (India) Pvt. Ltd.	826
329.	HCL Services (Subsidiary Of HCL Infosystems)	823
330.	Kancor Ingredients Ltd.	815
331.	Bayer Vapi Pvt. Ltd. (Formerly Bilag Industries Pvt. Ltd.)	807
332.	Salzer Electronics Ltd.	805
333.	VNR Seeds Pvt. Ltd.	805
334.	Finoso Pharma Pvt Ltd.	802
335.	JNS Instruments Ltd.	802
336.	Vrinda Technologies Pvt. Ltd.	802
337.	Central Electronics Ltd.	800
338.	Excel Crop Care Ltd.	800
339.	Forbes Marshal Pvt. Ltd.	800
340.	Magnasoft Consulting India Pvt. Ltd.	800
341.	Precision Automation And Robotics India Ltd.	800
342.	Trl Krosaki Refractories Ltd.	800
343.	Linkwell Telesystems (P) Ltd.	795
344.	Lakshmi Precision Screws Ltd.	792
345.	Raptim Research Ltd.	792
346.	Clause (India) Pvt. Ltd.	785
347.	PPAP Automative Ltd.	785
348.	Ace Designers Ltd.	780
349.	Amoli Organics Pvt. Ltd.	780
350.	Autoliv India Pvt. Ltd.	780

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
351.	Sajjala Biolabs Pvt. Ltd.	779
352.	Emerson Climate Technologies (India) Pvt. Ltd.	775
353.	Rico Auto Industries Ltd.	775
354.	Welspun Syntex Ltd.	775
355.	Godavari Biorefineries Ltd.	773
356.	Rane Trw Steering Systems Pvt. Ltd.	772
357.	Strand Life Sciences Pvt. Ltd.	771
358.	Cosmo Films Ltd.	770
359.	Sundaram Brake Linings Ltd.	768
360.	FTF Pharma Pvt. Ltd.	767
361.	Akums Drugs And Pharmaceuticals Ltd.	750
362.	Bejo Sheetal Seeds Pvt. Ltd.	750
363.	Invictus Oncology Pvt. Ltd.	750
364.	Ion Exchange (India) Ltd.	750
365.	Setco Automotive Ltd.	750
366.	Prescient Color Ltd.	748
367.	Mark Exhaust Systems Ltd.	741
368.	Rane (Madras) Ltd.	741
369.	Celon Laboratories Ltd.	740
370.	TRF Ltd.	737
371.	Sharda Motor Industries Ltd.	735
372.	Auto Ignition Ltd.	725
373.	Deepak Nitrite Ltd.	725
374.	Nagarjuna Agrichem Ltd.	725
375.	SMR Automotive Systems India Ltd.	725
376.	Apar Industries Ltd.	724
377.	HPL Electric & Power Pvt. Ltd.	724
378.	Lincoln Pharmaceuticals Ltd.	714
379.	Prathista Industries Ltd.	702
380.	Mahindra Sona Ltd.	700
381.	Neuheit Pharma Technologies Pvt. Ltd.	700
382.	Bata India Ltd.	699
383.	Hamilton Housewares Pvt. Ltd.	696
384.	Indo Phyto Chemicals Pvt. Ltd.	695
385.	Lava International Ltd.	695

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
386.	Kemin Industries South Asia Pvt. Ltd.	694
387.	EPR Centre For Cancer Research & Bioinformatics Pvt Ltd	691
388.	Ashoka Biogreen Pvt Ltd.	690
389.	Kirloskar Pneumatic Co. Ltd.	690
390.	India Glycols Ltd.	686
391.	Sanden Vikas (India) Ltd.	684
392.	Rishabh Instruments Pvt. Ltd.	683
393.	Veera Vahana Udyog Pvt. Ltd.	683
394.	Laxmi Organic Industries Limited,	682
395.	Action Construction Equipment Ltd.	680
396.	Galaxy Surfactants Ltd.	680
397.	IFB Automotive Pvt. Ltd.	680
398.	Agada Medical Technologies Pvt. Ltd.	672
399.	Metrochem Api Pvt. Ltd.	670
400.	Modern Insulators Ltd.	670
401.	Emerson Network Power (India) Pvt. Ltd.	669
402.	Banco Products (India) Ltd.	664
403.	Micro Therapeutic Research Labs Pvt. Ltd.	662
404.	Ashapura Minechem Ltd.	660
405.	Buhler (India) Pvt. Ltd.	660
406.	Kinetic Engineering Ltd.	660
407.	WILO Mather and Platt Pumps Pvt. Ltd	659
408.	Sandvik Asia Ltd.	656
409.	Hindustan Zinc Ltd.	655
410.	Charoen Pokphand Seeds (India) Pvt. Ltd.	650
411.	Concord Biotech Ltd.	650
412.	Innova Rubbers Pvt. Ltd.	650
413.	Kemwell Biopharma Pvt. Ltd.	650
414.	MRO Tek Ltd.	650
415.	Tamil Nadu Newsprint And Papers Ltd.	650
416.	Efftronics Systems Pvt. Ltd.	648
417.	Tata Toyo Radiator Ltd.	648
418.	Hil Lifecare Ltd.	640
419.	Elantas Beck India Ltd.	634
420.	BASF India Ltd.	630

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
421.	C&S Electric Ltd.	625
422.	Tata Advanced Systems Ltd.	623
423.	Vector Bioscience Pvt. Ltd.	623
424.	Semler Research Centre Pvt Ltd.	622
425.	Nosch Labs Pvt. Ltd.	617
426.	United Genetics India Pvt. Ltd.	615
427.	Biogenex Life Sciences Pvt. Ltd.	612
428.	Manatec Electronics Pvt. Ltd.	610
429.	R R Kabel Ltd.	610
430.	Raptakos, Brett & Co. Ltd.	610
431.	NTL Electronics India Ltd.	609
432.	Stellence Pharmscience Ltd.	608
433.	Kokuyo Camlin Ltd.	605
434.	Zim Laboratories Ltd.	605
435.	Everest Industries Ltd.	600
436.	Bliss Gvs Pharma Ltd.	595
437.	Sahajanand Laser Technology Ltd.	595
438.	Hero Cycles Ltd.	594
439.	Gupta H.C. Overseas (I) Pvt. Ltd.	590
440.	Hitachi Hi-Rel Electronics Pvt. Ltd.	590
441.	Mother Dairy Fruit & Vegetables Pvt. Ltd.	590
442.	Holostik India Ltd.	589
443.	Raj Petro Specialities Pvt. Ltd.	589
444.	Kusam Healthcare Pvt. Ltd	586
445.	Hind Rectifiers Ltd.	585
446.	Ecocat India Pvt. Ltd.	582
447.	India Nippon Electricals Ltd.	582
448.	Anand NVH Products Pvt. Ltd.	581
449.	Voltas Ltd.	578
450.	Huntsman International (India) Pvt. Ltd.	575
451.	Uflex Ltd.	575
452.	Zuventus Healthcare Ltd.	575
453.	Pest Control (India)Pvt. Ltd.	573
454.	Elcom Innovations Pvt. Ltd.	572
455.	Selec Controls Pvt. Ltd.	563

(Contd.)



Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
456.	Essel Propack Ltd.	562
457.	Polycab Wires Pvt. Ltd.	560
458.	Toshiba Machine (Chennai) Pvt. Ltd.	560
459.	Hema Engineering Industries Ltd.	559
460.	Alphamed Formulations Pvt. Ltd.	557
461.	Sungro Seeds Ltd.	557
462.	Alicon Castalloy Ltd.	555
463.	Ramtech Software Solution Pvt. Ltd.	555
464.	Elin Electronics Ltd.	552
465.	Manipal Technologies Ltd.	552
466.	Colourtex Industries Pvt. Ltd.	550
467.	Kabra Extrusiontechnik Ltd.	550
468.	Krish Biotech Research Pvt. Ltd.	550
469.	Optra Systems Pvt. Ltd.	550
470.	PHA India Pvt. Ltd.	550
471.	Regen Powertech Pvt Ltd.	550
472.	Titan Laboratories Pvt. Ltd.	550
473.	Garware Wall Ropes Ltd.	546
474.	The Century Textiles & Industries Ltd.	546
475.	Hetero Healthcare Ltd.	543
476.	Advik Hi-Tech Pvt. Ltd.	542
477.	Manali Petrochemical Ltd.	542
478.	Thing Pharma-Cro Ltd.	541
479.	General Industrial Controls Pvt. Ltd.	540
480.	Mybox Technologies Pvt. Ltd.	540
481.	SMS Pharmaceuticals Ltd.	540
482.	Usha International Ltd.	539
483.	Shivalik Rasayan Ltd.	538
484.	Alkyl Amines Chemicals Ltd.	535
485.	Synapse Labs Pvt. Ltd.	535
486.	Harita Seating Systems Ltd.	530
487.	OCL India Ltd.	529
488.	Excel Industries Ltd.	525
489.	Goa Shipyard Ltd.	525
490.	Pinnacle Industries Ltd.	525

(Contd.)

Annexures

Sl. No.	Name of the Firm	R&D Expenditure Reported (Rupees in lakhs) *
491.	Radiant Corporation Pvt. Ltd.	525
492.	Hindustan Shipyard Ltd	523
493.	Eimco Elecon (India) Ltd.	520
494.	LG Balakrishnan & Brothers Ltd.	520
495.	Poddar Pigments Ltd.	520
496.	Srin Kaliswari Fireworks Pvt Ltd.	520
497.	O/E/N India Ltd.	519
498.	Encube Ethicals Pvt. Ltd.	515
499.	Savannah Seeds Pvt. Ltd.	515
500.	Analogies Tech India Pvt. Ltd.	513
501.	Avantel Ltd.	510
502.	Hindustan Gum & Chemicals Ltd.	510
503.	Innovassynth Technologies (India) Ltd.	510
504.	Sava Healthcare Ltd.	509
505.	GTZ (India) Pvt. Ltd.	506
506.	Kalyani Forge Ltd.	506
507.	SEE Linkages Pvt. Ltd.	505
508.	Sri Krishna Pharmaceutical Ltd.	500

* R&D expenditures reported are as claimed by the firms in their available Annual reports /recognition/renewal applications.

**LIST OF IN-HOUSE R&D UNITS IN INDUSTRY REPORTING ANNUAL EXPENDITURE IN THE RANGE OF ₹ 200.00 LAKHS TO ₹ 500.00 LAKHS**

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
1.	Mitra Biotech Pvt. Ltd.	496
2.	Romsons Scientific And Surgical Industries Pvt. Ltd.	494
3.	Metalman Auto Pvt. Ltd.	493
4.	Minda Vast Access Systems Pvt. Ltd.	493
5.	Aspiro Pharma Ltd.	492
6.	Hi-Media Laboratories Pvt. Ltd.	491
7.	Eveready Industries India Ltd.	490
8.	HCL Learning (Subsidiary Of HCL Infosystems)	490
9.	Savita Oil Technologies Ltd.	490
10.	Heinz India Pvt. Ltd.	489
11.	Hitesh Plast Ltd.	485
12.	Ace Manufacturing Systems Ltd.	483
13.	Albert David Ltd.	480
14.	Alkem Laboratories Ltd.	477
15.	Alp Nishikawa Company Pvt. Ltd.	475
16.	BDR Pharmaceutical International Pvt. Ltd.	473
17.	Aban Infrastructure Pvt. Ltd.	470
18.	Jyoti Ltd.	470
19.	Nitta Gelatin India Ltd.	470
20.	Steer Engineering Pvt. Ltd.	470
21.	Biocon Pharma Limited	468
22.	Bharat Bio-Tech International Ltd.	466
23.	Croda India Company Pvt. Ltd.	466
24.	Napino Auto And Electronics Ltd.	466
25.	Canara Hydraulics Pvt. Ltd.	462
26.	Jayashree Polymers Pvt. Ltd.	462
27.	Arjuna Natural Extracts Ltd.	460
28.	Camphor & Allied Products Ltd.	455
29.	Renu Electronics Pvt. Ltd.	455
30.	E-Con Systems India Pvt. Ltd.	453
31.	Hi-Tech Gears Ltd.	453

(Contd.)

Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
32.	Carborundum Universal Ltd.	450
33.	Dorf Ketal Chemicals India Pvt. Ltd.	450
34.	Evolvute Systems Pvt. Ltd.	450
35.	Gland Chemicals Pvt. Ltd.	450
36.	Hanon Climate System India Pvt. Ltd.	450
37.	Hester Biosciences Ltd.	450
38.	HPL Additives Ltd.	450
39.	Janatics India Pvt. Ltd.	450
40.	Persistent Systems Ltd.	450
41.	Rex-Tone Industries Ltd.	450
42.	Roop Automotive Ltd.	450
43.	Sigma Electric Manufacturing Corporation Pvt. Ltd.	450
44.	Stumpp, Schuele And Somappa Springs Pvt. Ltd.	450
45.	Tecmuseh Products India Pvt. Ltd.	450
46.	UKB Electronics Pvt. Ltd.	450
47.	Vaishnavi Biotech Ltd.	450
48.	Merck Ltd.	449
49.	L & T Construction Equipment Ltd.	446
50.	Medley Pharmaceuticals Ltd.	443
51.	Ami Life Sciences Pvt. Ltd.	441
52.	Ctr Mfg Industries Ltd	441
53.	Hy-Gro Chemicals Pharmtek Pvt. Ltd.	440
54.	Natural Remedies Pvt. Ltd.	440
55.	Spray Engineering Devices Ltd.	440
56.	Symphony Ltd.	440
57.	JK Paper Ltd.	439
58.	Duroshox Pvt. Ltd.	436
59.	Avt Natural Products Ltd.	435
60.	Surya Roshni Ltd.	435
61.	Rajasthan Antibiotics Ltd.	434
62.	Solar Industries India Ltd.	432
63.	Himadri Chemicals and Industries Ltd.	430
64.	Icpahealth Products Ltd.	430
65.	Kalki Communication Technologies Pvt. Ltd.	430
66.	Rashtriya Chemicals & Fertilizers Ltd.	430

(Contd.)



Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
67	Barrix Agro Sciences Pvt. Ltd.	429
68.	Stabicon Life Sciences Pvt. Ltd.	426
69.	Emmbi Industries Ltd.	425
70.	India Japan Lighting (P) Ltd.	425
71	Opatrix Laboratories Pvt. Ltd.	425
72.	Tide Water Oil Co. (India) Ltd.	425
73.	Kiran Global Chems Ltd.	423
74.	Crystal Crop Protection Pvt. Ltd.	421
75.	ZCL Chemicals Ltd.	420
76.	Achira Labs Pvt. Ltd.	418
77.	Apcotex Industries Ltd.	415
78.	Enpro Industries Pvt. Ltd.	415
79.	Gulbrandsen Chemicals Pvt. Ltd.	415
80.	HMC Mm Auto Ltd.	415
81.	Pathpartner Technology Pvt. Ltd.	415
82.	Bharat Seats Ltd.	412
83.	Panacea Medical Technologies Pvt. Ltd.	412
84.	Ador Welding Ltd.	410
85.	JSW Steel Coated Products Ltd.	410
86.	Naprod Life Sciences Pvt. Ltd.	410
87.	Virdis Biopharma Pvt Ltd.	410
88.	Radix Electrosystems Pvt. Ltd.	407
89.	Acme Formulation Pvt. Ltd.	406
90.	United Telecoms Ltd.	406
91.	NOCIL Ltd.	405
92.	Sandhar Technologies Ltd.	404
93.	Huber+Suhner Electronics Pvt. Ltd.	402
94.	Resil Chemicals Pvt. Ltd.	402
95.	Ravindranath G.E. Medical Associates Pvt. Ltd.	401
96.	Igarashi Motors India Ltd.	400
97.	Viney Corporation Ltd.	400
98.	Wrig Nanoscience Pvt. Ltd.	400
99.	Avon meters pvt. Ltd.	398
100.	Privi Organics Ltd.	398
101.	Stanadyne Amalgamations Pvt. Ltd.	398

(Contd.)

Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
102.	Centum Electronics Ltd.	397
103.	Agro Tech Foods Ltd.	394
104.	Mangalam Alloys Ltd.	394
105.	Bosch Chassis Systems India Pvt. Ltd.	391
106.	Imperial Auto Industries Ltd.	390
107.	Mirc Electronics Ltd.	390
108.	Winsome Textile Industries Ltd.	387
109.	Jay Ushin Ltd	386
110.	Sapala Organics Pvt. Ltd.	385
111.	Vasudha Pharma Chem Ltd.	384
112.	Envision Scientific Pvt. Ltd.	383
113.	Flash Electronics (India) Pvt. Ltd.	382
114.	Kirloskar Brothers Ltd.	381
115.	Doehler India Pvt. Ltd.	380
116.	Lamco Industries Pvt. Ltd.	380
117.	Rockwell Industries Ltd.	380
118.	Triesta Sciences (Unit Of Hcg) Triesta Sciences (India) Pvt. Ltd.	380
119.	Eid Parry (India) Ltd.	379
120.	Revathi Equipment Ltd.	377
121.	Bench Bio Pvt. Ltd.	375
122.	Global Calcium Pvt Ltd.	375
123.	Mic Electronics Ltd.	375
124.	Oxygen Healthcare Research Pvt. Ltd.	375
125.	Sundaram Industries Ltd.	375
126.	San Engg & Locomotive Co. Ltd.	374
127.	Essae- Teraoka Ltd.	370
128.	Sakata Seed India (P) Ltd.	370
129.	Eicl Ltd.	368
130.	Dixon Technologies India Pvt. Ltd.	366
131.	Kaynes Technology India Pvt. Ltd.	365
132.	Lumax Mannoh Allied Technologies Ltd.	365
133.	Transpek - Silox Industry Pvt. Ltd.	365
134.	BG LI-In Electricals Ltd.	364
135.	Gulf Oil Lubricants India Ltd.	364
136.	Ideal Cures Pvt. Ltd.	363

(Contd.)



Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
137.	Amol Pharmaceuticals Pvt. Ltd.	360
138.	Orient Paper and Industrial Ltd.	360
139.	Meghmani Organics Ltd.	358
140.	Unison Pharmaceuticals Pvt. Ltd.	357
141.	Brill Pharma Ltd.	356
142.	A2Z Filtration Specialities Pvt. Ltd.	355
143.	Dagger Master Tool Industries Ltd.	355
144.	Elecon Engineering Company Ltd.	355
145.	Mehru Electrical And Mechanical Engineers Pvt. Ltd.	355
146.	I&B Seeds Pvt. Ltd (Formerly Indus Seeds)	354
147.	Chheda Electricals And Electronics Pvt. Ltd.	351
148.	G-Cube Web Wide Software Pvt. Ltd	351
149.	Advanced Neuro-Science Allies Pvt. Ltd.	350
150.	Ats Elgi Ltd.	350
151.	Charak Pharma Pvt. Ltd.	350
152.	Durovalves India Pvt. Ltd.	350
153.	Hical Technologies Pvt.Ltd.	350
154.	IOL Chemicals And Pharmaceuticals Ltd.	350
155.	ISMT Ltd.	350
156.	Kirtiman Agro Genetics Ltd.	350
157.	Natesan Synchrocones Pvt Ltd	350
158.	Polyplastics Industries (India) Pvt. Ltd.	350
159.	Quad Lifesciences Pvt. Ltd.	350
160.	River Engineering Pvt. Ltd.	350
161.	Sheel Biotech Ltd.	350
162.	Sonarome Pvt. Ltd.	350
163.	Tata International Ltd.	350
164.	The Andhra Sugars Ltd.	350
165.	Trivitron Healthcare Pvt. Ltd.	350
166.	V.B. Medicare Pvt. Ltd.	349
167.	The Indian Hume Pipe Company Ltd.	348
168.	Mayur Uniquoters Ltd.	347
169.	Tierra Seed Science Pvt. Ltd.	346
170.	Ruchi Soya Industries Ltd.	345
171.	Vulcan Industrial Engineering Company Ltd.	343

(Contd.)

Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
172.	Ama Herbal Laboratories Pvt. Ltd.	341
173.	Bmc Electroplast Pvt. Ltd.	340
174.	ISSAR Pharmaceuticals Pvt. Ltd.	340
175.	Kaisha Lifesciences Pvt. Ltd.	338
176.	S.V.A. Rikkon Lubes Pvt. Ltd.	338
177.	Vivo Bio Tech Ltd.	337
178.	Concept Pharmaceuticals Ltd.	335
179.	Jaya Hind Industries Ltd.	334
180.	Sea6 Energy Pvt Ltd	334
181.	Avra Laboratories Pvt. Ltd.	330
182.	SSP Pvt. Ltd.	330
183.	Synthite Industries Ltd.	330
184.	TTK Prestige Ltd.	328
185.	Astec Lifesciences Ltd.	325
186.	Crest Biotech Pvt. Ltd.	325
187.	Dhoot Transmission Pvt. Ltd.	325
188.	Eesavyasa Technologies Pvt. Ltd.	325
189.	Electropneumatics & Hydraulics (India) Pvt. Ltd.	325
190.	India Pistons Ltd.	325
191.	Kerala Ayurveda Ltd.	325
192.	Mediatronix Pvt. Ltd.	325
193.	Omkar Speciality Chemicals Ltd.	325
194.	Polyplex Corporation Ltd.	325
195.	Symega Savoury Technology Ltd.	325
196.	Xcelris Labs Ltd.	325
197.	Pranav Vikas (I) Ltd.	324
198.	Premium Transmission Ltd.	324
199.	Forus Health Pvt. Ltd.	322
200.	Gandhar Oil Refinery India Ltd.	321
201.	Heubach Colour Pvt. Ltd.	321
202.	Ami Organics Pvt. Ltd.	320
203.	Connectwell Industries Pvt. Ltd.	320
204.	Elecon Measurements Pvt. Ltd.	320
205.	Globion India Pvt. Ltd.	320
206.	Laxmi Hydraulics Pvt. Ltd.	320

(Contd.)



Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
207.	Metallizing Equipment Co. Pvt. Ltd.	320
208.	T Stanes & Company Ltd.	320
209.	Universal Construction Machinery & Equipment Ltd.	320
210.	Anchor Mark Pvt. Ltd.	317
211.	Manugraph India Ltd.	317
212.	Microtek International Pvt. Ltd.	317
213.	Survival Technologies Pvt. Ltd.	317
214.	Kimplas Piping Systems Ltd.	316
215.	Garware Bestretch Ltd.	315
216.	GIOSTAR Research Pvt. Ltd.	315
217.	Intelux Electronics Pvt. Ltd.	312
218.	Unitech Machines Ltd.	312
219.	Aditya Auto Products & Engineering (India) Pvt. Ltd.	310
220.	Noble Seeds Pvt. Ltd.	310
221.	Parason Machinery (I) Pvt. Ltd	310
222.	Cholayil Pvt. Ltd. (Formerly Cholayil Pharmaceutical Pvt. Ltd.)	308
223.	Aeon Formulations Pvt. Ltd.	307
224.	Genome Life Science Pvt. Ltd.	307
225.	Pulse Pharmaceuticals Pvt. Ltd.	307
226.	Esteem Industries Pvt. Ltd.	306
227.	Tagros Chemicals India Ltd.	306
228.	Vins Bioproducts Ltd.	306
229.	Glaxo Smithkline Pharmaceuticals Ltd.	304
230.	Loba Chemie Pvt. Ltd	304
231.	Bdr Lifesciences Pvt. Ltd.	303
232.	Kandui Industries Pvt. Ltd.	302
233.	Sumilon Industries Ltd.	301
234.	Talbros Automotive Components Ltd.	301
235.	Ahammune Biosciences Pvt. Ltd.	300
236.	Dic India Ltd.	300
237.	Flamingo Pharmaceuticals Ltd.	300
238.	Saksin Lifescience Pvt. Ltd.	300
239.	Sanika Chemical Pvt. Ltd.	300
240.	Snam Alloys Pvt. Ltd.	300
241.	Tirth Agro Technology Pvt Ltd.	300

(Contd.)

Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
242.	Uttamenergy Ltd.	300
243.	Windlas Biotech Ltd.	300
244.	Dcm Engineering Ltd.	299
245.	Sri Lakshmi Bhargavi Pharma Pvt. Ltd.	299
246.	Eldorado Agritech Pvt. Ltd.	295
247.	Indo Colchem Pvt. Ltd.	295
248.	Gujarat Metal Cast Industries Ltd.	291
249.	Jesons Industries Ltd.	291
250.	Wires and Fabriks (SA) Ltd.	291
251.	Ashida Electronics Pvt. Ltd.	290
252.	Elpro Energy Dimension Pvt. Ltd.	290
253.	H&R Johnson (India) (A Division Of Prism Cement Ltd.)	289
254.	Gumpro Drilling Fluids Pvt. Ltd.	288
255.	Gulf Oil Corporation Ltd.	286
256.	HIL Ltd.	286
257.	Archimedis Healthcare Pvt. Ltd.	285
258.	Filtra Catalysts & Chemicals Ltd.	285
259.	Shree Cement Ltd.	283
260.	Fermenta Biotech Ltd.	281
261.	Camlin Fine Sciences Ltd.	280
262.	Fertis India Pvt. Ltd.	280
263.	Jaipur Rugs Company Pvt. Ltd.	280
264.	Labindia Analytical Instruments Pvt. Ltd.	280
265.	Saveer Biotech Ltd.	280
266.	United Biotech (P) Ltd.	280
267.	Nongwoo Seed India Pvt Ltd	279
268.	Pitambari Products Pvt. Ltd.	279
269.	Sahajanand Medical Technologies Pvt. Ltd.	279
270.	MKU Pvt. Ltd.	277
271.	Viswaat Chemicals Ltd.	277
272.	Regenerative Medical Services Pvt. Ltd.	276
273.	Skipper Seil Ltd.	276
274.	Swagene Pvt. Ltd.	276
275.	Dhanuka Agritech Ltd.	275
276.	Electrolab India Pvt. Ltd.	275

(Contd.)



Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
277.	Greensignal Bio Pharma Ltd.	275
278.	Max Speciality Films Ltd.	275
279.	Nicco Corporation Ltd.	275
280.	Plastiblends India Ltd.	275
281.	Prakruti Products Pvt. Ltd.	275
282.	Premier Seals (India) Pvt. Ltd.	275
283.	Promptec Renewable Energy Solutions Pvt. Ltd.	275
284.	Sri Sathya Agri Biotech Pvt. Ltd.	275
285.	Novalead Pharma Pvt. Ltd.	272
286.	Trimex Sands Pvt. Ltd.	272
287.	Omax Autos Ltd.	271
288.	Thirumalai Chemicals Ltd.	271
289.	Alchem International Pvt. Ltd.	270
290.	Snowbell Machines Pvt. Ltd.	269
291.	Tasty Bite Eatables Ltd.	268
292.	Allied Nippon Ltd.	265
293.	Paranjape Autocast Pvt. Ltd.	265
294.	Rajasthan Electronics & Instruments Ltd.	265
295.	Siechem Technologies Pvt. Ltd.	265
296.	Everest Organics Ltd.	264
297.	Saurav Chemicals Ltd.	264
298.	Catalysts Bio Technologies Pvt. Ltd.	263
299.	Construction Catalysers Pvt. Ltd.	263
300.	Kaypeeyes Biotech Pvt. Ltd.	263
301.	Mecon Ltd.	263
302.	Uni-Tech Automation Pvt. Ltd.	263
303.	Axxonet System Technologies Pvt. Ltd.	262
304.	Bioviz Technologies Pvt. Ltd.	261
305.	Anabond Ltd.	260
306.	Associated Soapstone Distributing Co. Pvt. Ltd.	260
307.	Kalyani Maxion Wheels Ltd	260
308.	Kinetic Green Energy & Power	260
309.	Optimus Drugs Pvt. Ltd.	260
310.	Sowbhagya Biotech Pvt. Ltd.	260
311.	Sri Research For Tissue Engineering Pvt. Ltd.	260

(Contd.)

Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
312.	International Panaacea Ltd.	258
313.	Indo Us Bio Tech Pvt. Ltd.	257
314.	Span Pumps Pvt Ltd	257
315.	Varuna Biocell Pvt. Ltd.	256
316.	Formulated Polymers Ltd.	255
317.	Murugappa Morgan Thermal Ceramics Ltd.	255
318.	NRB Industrial Bearings Ltd.	255
319.	Terumo Penpol Ltd.	255
320.	Datametica Solution Pvt. Ltd.	254
321.	Modi Mundipharma Pvt. Ltd.	254
322.	Tata Ficosa Automotive Systems Pvt. Ltd.	254
323.	Anuh Pharma Ltd.	250
324.	Arkray Healthcare Pvt. Ltd.	250
325.	Arya Vaidya Pharmacy (Coimbatore) Ltd.	250
326.	Atlas Dyechem (India) Pvt. Ltd.	250
327.	Bhat Bio-Tech India (P) Ltd.	250
328.	Encardio-Rite Electronics Pvt. Ltd.	250
329.	Ewac Alloys Ltd.	250
330.	Fizzy Foodlabs Pvt. Ltd.	250
331.	Gammon India Ltd.	250
332.	GCC Biotech India Pvt. Ltd.	250
333.	JSL Lifestyle Ltd.	250
334.	Kalyani Carpenter Special Steels Pvt. Ltd.	250
335.	Kritikal Securescan Pvt. Ltd.	250
336.	Meghmani Industries Ltd.	250
337.	Mukand Ltd.	250
338.	Natsol Laboratories Pvt. Ltd.	250
339.	Premas Biotech Pvt. Ltd.	250
340.	RJ Biotech Pvt. Ltd.	250
341.	S. Kant Healthcare Ltd.	250
342.	Sankar Sealing Systems Pvt. Ltd.	250
343.	Sieger Spintech Equipments Pvt. Ltd.	250
344.	Star Engineering (I) Pvt. Ltd.	250
345.	Triton Valves Ltd.	250
346.	V Clinbio Labs Pvt. Ltd.	250

(Contd.)



Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
347.	Vinvish Technologies Pvt. Ltd.	250
348.	Yashraj Biotechnology Ltd.	250
349.	Applied Electro Magnetics Pvt. Ltd.	249
350.	JCBL Ltd.	247
351.	Wendt India Ltd.	246.26
352.	Suraj Cropsciences Ltd.	246
353.	Chembond Chemicals Ltd.	245
354.	Continental Carbon India Ltd.	245
355.	Plazma Technologies Pvt. Ltd.	245
356.	Deki Electronics Ltd.	244
357.	Kimia Biosciences Pvt. Ltd.	244
358.	Span Diagnostics Ltd.	244
359.	Gujarat Narmada Valley Fertilizers & Chemicals Ltd.	243
360.	Trimurti Plant Sciences Pvt. Ltd.	243
361.	Vee Technologies Pvt. Ltd.	241
362.	Jay Chemical Industries Ltd.	240
363.	Sunbeam Auto Ltd.	240
364.	LA Renon Health Care Pvt. Ltd.	237
365.	Ralson (India) Ltd.	237
366.	Emkay Automobile Industries Ltd.	235
367.	Inoxpa India Pvt. Ltd.	235
368.	Orange Sorting Machines (India) Pvt. Ltd.	235
369.	Rossari Biotech Ltd.	235
370.	Shivashakti Biotechnologies Ltd.	235
371.	VIP Industries Ltd.	235
372.	Bajaj Healthcare Ltd.	232
373.	Lyka Labs Ltd.	232
374.	Nulife Global Medical Devices Pvt. Ltd.	232
375.	Robonik (India)Pvt. Ltd.	232
376.	Sahajanand Technologies Pvt. Ltd.	232
377.	Inventys Research Company Pvt. Ltd.	231
378.	Lifecell International Pvt. Ltd.	231
379.	Sona Koyo Steering Systems Ltd.	231
380.	Desiccant Rotors International Pvt. Ltd.	230
381.	Fowler Westrup (India) Pvt. Ltd.	230

(Contd.)

Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
382.	Oswal Industries Ltd.	230
383.	Vimta Labs Ltd.	230
384.	SunFlag Iron and Steel Company Ltd.	229
385.	Cyient Ltd.	228
386.	Advanced Microdevices Pvt. Ltd.	227
387.	Shalimar Paints Ltd.	227
388.	Indbro Research And Breeding Farms Pvt. Ltd.	226
389.	Vidya Herbs Pvt. Ltd.	226
390.	Agappe Diagnostics Ltd.	225
391.	Biostadt India Ltd.	225
392.	Bry-Air (Asia) Pvt. Ltd.	225
393.	Ctx Lifesciences Pvt. Ltd.	225
394.	Lee Pharma Ltd.	225
395.	Micromatic Grinding Technologies Ltd.	225
396.	Plant Lipids (P) Ltd.	225
397.	Shaily Engineering Plastics Ltd.	225
398.	The India Cement Ltd.	225
399.	VST Tillers Tractors Ltd.	225
400.	Forace Polymers Pvt. Ltd.	224
401.	Ava Chलयil Healthcare Pvt Ltd	223
402.	Jayant Agro-Organics Ltd.	223
403.	Rockman Industries Ltd.	221
404.	20 Microns Nano Minerals Ltd.	220
405.	Bangalore Biotech Labs Pvt. Ltd.	220
406.	Beloorbayir Biotech Ltd.	220
407.	Bharat Fritz Werner Ltd.	220
408.	Cikautxo India Pvt. Ltd.	220
409.	Clonz Biotech Pvt. Ltd.	220
410.	Elofic Industries Ltd.	220
411.	Indfrag Ltd.	220
412.	Indovax Pvt. Ltd.	220
413.	Kumar Organic Products Ltd.	220
414.	Sri Biotech Laboratories India Ltd.	220
415.	Isgec Heavy Engineering Ltd.	219
416.	Sushen Medicamentos Pvt. Ltd.	219
417.	Ador Powertron Ltd.	218

(Contd.)



Annexures

Sl. No.	Name of the firm	R&D Expenditure Reported (Rupees in lakhs) *
418.	Datt Mediproducts Pvt. Ltd.	218
419.	Monotech Systems Ltd.	217
420.	Aron Universal Ltd.	216
421.	SLN Technologies Pvt. Ltd.	216
422.	Ultra International Ltd.	216
423.	Prima Telecom Ltd.	215
424.	Paracoat Products Ltd.	213
425.	GSP Crop Science Pvt. Ltd	211
426.	Emi Solutions Pvt. Ltd.	210
427.	Ingersoll Rand India Pvt. Ltd.	210
428.	Motwane Manufacturing Co. Pvt. Ltd.	210
429.	Paharpur Cooling Towers Ltd.	210
430.	UCAM Pvt. Ltd.	209
431.	Amtech Electronics (India) Ltd.	208
432.	BILT Graphic Paper Products Ltd. (Formerly Ballarpur Industries Ltd.)	208
433.	Inspiron Engineering Pvt. Ltd.	208
434.	Elico Ltd.	207
435.	Relisys Medical Devices Ltd.	207
436.	Vanaz Engineers Ltd.	207
437.	Rucha Engineers Pvt Ltd	206
438.	Sakata Inx (India) Ltd.	206
439.	Aquapharm Chemicals Pvt. Ltd.	205
440.	Centum Rakon India Pvt. Ltd.	205
441.	Frog Cellsat Ltd.	205
442.	Kalash Seeds Pvt. Ltd	205
443.	The Hi-Tech Robotic System Ltd.	205
444.	Reline Thermal Imaging and Software Pvt Ltd.	204
445.	Gracure Pharmaceuticals Ltd.	203
446.	Hi Tech Bio- Science India Ltd.	201
447.	Psychotropics India Ltd.	201
448.	Samarth Lifesciences	200

* R&D expenditures reported are as claimed by the firms in their available Annual reports/recognition/renewal applications.

LIST OF SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATIONS (SIROs) RECOGNISED BY DSIR DURING THE PERIOD DECEMBER 2017 TO MARCH 2019

S.No	Name of the Organization	Recognition granted up to
Natural and Applied Sciences		
1	Hope Foundation (Hope Foundation and Research Centre), Pune	31.03.2020
2	Shree Saraswati Education Sansthan, Rajpur, Gujarat	31.03.2019
3	KPR Charities, Coimbatore	31.03.2020
4	Trident Academy of Creative Technology (TACT), Bhubaneswar	31.03.2020
5	Virginia Tech India Research & Education Forum, Chennai	31.03.2020
6	Dinabandhu Foundation for Educational Research and Socio-Economic Development (D-Foundation), Bhubaneswar	31.03.2020
7	Raghavendra Educational and Rural Development Society (RERDS), Anantapuramu	31.03.2021
8	The Kongu Vellalar Institute of Technology (KVIT) Trust, Erode, Tamilnadu	31.03.2021
9	Indian Institute of Information Technology and Management Kerala (IIITMK), Thiruvananthapuram	31.03.2021
10	Indian Institute of Technology, Bhilai, Raipur	31.03.2021
11	TATA Institute of Genetics and Society (TIGS), Bangalore, Karnataka	31.03.2021
12	Indian Institute of Information Technology Kottayam, Thiruvananthapuram, Kerala	31.03.2021
13	Gharda Scientific Research Foundation, Mumbai	31.03.2021
14	Ashoka University, Sonapat	31.03.2021
15	The Corporate Educational Agency of the Catholic Archdiocese of Tiruvalla*, Pathanamthitta, Tiruvalla, Kerala	31.03.2021
16	Fields of View Society, Bangalore	31.03.2021
17	Council on Energy, Environment and Water, New Delhi	31.03.2021
18	Prathyusha Educational Trust, Tiruvallur, Tamil Nadu	31.03.2021
19	International Centre for Free & Open Source Software (ICFOSS), Trivandrum	31.03.2021
20	Vignan's Foundation for Science, Technology and Research (Deemed to be University), Guntur District, Andhra Pradesh	31.03.2021
21	G.S. Pillay and Sons Charitable and Educational Trust, Nagapattinam, Tamil Nadu	31.03.2021
22	CHRIST (Deemed to be University), Bangalore	31.03.2019
23	Birla Institute of Scientific Research, Jaipur	31.03.2021
24	National Institute of Pharmaceutical Education and Research (NIPER), Raebareli, Lucknow	31.03.2021
25	Moraine Human Resource Development Organisation, Pachim Medinipur, West Bengal	31.03.2021

(Contd.)



Annexures

S.No	Name of the Organization	Recognition granted up to
26	Society for Health Information Systems Programmes, HISP India, Noida, UP	31.03.2021
27	Karpagam Academy of Higher Education (Deemed to be University), Coimbatore.	31.03.2020
28	Hindustan Engineering Training Centre (HETC) Chennai	31.03.2021
29	Maharaj Alak Narayan Society of Arts and Sciences (MANSAS). Vizianagaram, Andhra Pradesh	31.03.2021
30	Birla Archaeological and Cultural Research Institute, Hyderabad	31.03.2020
31	Cooch Behar Panchanan Barma University, Cooch Behar, West Bengal	31.03.2021
32	Indian Institute of Information Technology, Kalyani	31.03.2021
33	GLA University, Mathura	31.03.2021
34	Charotar University of Science & Technology (CHARUSAT), Anand, Gujarat	31.03.2021
Agricultural Sciences		
35	Dudhsagar Research and Development Association (DURDA), Mehsana, Gujarat	31.03.2021
Social Sciences		
36	Foundation for Research in Health Systems, Bangalore	31.03.2021
Medical Sciences		
37	Association for Health Welfare In The Nilgiris (ASHWINI), Gudalar, Tamil Nadu	31.03.2019
38	Sambhavna Trust, New Delhi	31.03.2021
39	Foundation for Neglected Disease Research, Bangalore	31.03.2021
40	The Gujarat Cancer & Research Institute, Asarwa, Ahmedabad	31.03.2021
41	Mahatma Gandhi University of Medical Sciences and Technology, Jaipur	31.03.2021
42	KaviKrishna, Guwahati, Assam,	31.03.2021
43	BLDE (Deemed to be University), Vijayapura, Karnataka	31.03.2019
44	Rajiv Memorial Academic Welfare Society', Mathura	31.03.2021
45	Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha.	31.03.2021
46	Malabar Cancer Centre Society (MCC), Kannur, Kerala.	31.03.2021
47	Yenepoya (Deemed to be University), Mangalore, Karnataka as	31.03.2021
48	UKA Tarsadia University, Bardoli, Gujarat	31.03.2021
49	Shri Vithalrao Joshi Charities Trust, Ratnagiri, Maharashtra	31.03.2021
50	Alpha Health Foundation, Madurai	31.03.2021
51	India HIV/AIDS Alliance, New Delhi	31.03.2021
52	People's University, Bhopal	31.03.2021

LIST OF COMPANIES APPROVED U/S 35(2AB) OF INCOME TAX ACT, 1961

Sl. No.	Company Name
1	Abhay Nutrition Pvt. Ltd.,
2	Tropical Biosciences Pvt. Ltd.,
3	Max Specialty Films Ltd.,
4	Alpha Design Technologies Pvt. Ltd.,
5	Pahuja Seeds Pvt. Ltd.,
6	Roop Automotives Ltd.,
7	Kirloskar Ferrous Industries Ltd.,
8	Indagro Foods Pvt. Ltd.,
9	Mosil Lubricants Pvt. Ltd.,
10	Talbro Automotive Components Ltd.,
11	Allengers Medical Systems Ltd.,
12	Cologensis Healthcare Pvt. Ltd.,
13	Gland Chemicals Pvt. Ltd.,
14	Bhat Bio-Tech India (P) Ltd.,
15	Aries Agro Ltd.,
16	BDH Industries Ltd.,
17	Asahi Songwon Colours Ltd.,
18	TherDose pharma Pvt. Ltd.,
19	Pyrotech Electronic Pvt. Ltd.,
20	Nem Laboratories Pvt. Ltd.,
21	Windlas Healthcare Pvt. Ltd.,
22	SFO Technologies Pvt. Ltd.,
23	Anu Industries Ltd.,
24	Devashish Polymers Pvt. Ltd.,
25	Manjilas Food Tech Pvt. Ltd.,
26	Anchor Mark Pvt. Ltd.,
27	Vasudha Pharma Chemicals Ltd.,
28	S S Gas Lab Asia Pvt. Ltd.,
29	Nitika Pharmaceutical Specialties Pvt. Ltd.,
30	Zydus Healthcare Ltd.,
31	Frigorifico Allana Pvt. Ltd.,
32	Noble Seeds Pvt. Ltd.,
33	Zeon Lifesciences Ltd.,

Sl. No.	Company Name
34	Toshniwal Enterprises Controls Ltd.,
35	Globela Pharma Pvt. Ltd.,
36	Centurion Laboratories Pvt. Ltd.,
37	Recipharm Pharmservices Pvt. Ltd.,
38	PPAP Automotive Ltd.,
39	Karad Projects and Motors Ltd.,
40	Applied Research International Pvt. Ltd.,
41	Esteem Industries Pvt. Ltd.,
42	Deccan Fine Chemicals (India) Pvt. Ltd.,
43	Unitop Chemicals Pvt. Ltd.,
44	Milan Laboratories (India) Pvt. Ltd.,
45	Siddharth Carbochem Products Ltd.,
46	Nova Integrated Systems Ltd.,
47	Nilsan Nishotech Systems Pvt. Ltd.,
48	EPE Process Filters & Accumulators Pvt. Ltd.,
49	OC Specialties Pvt. Ltd.,
50	Philips Carbon Black Ltd.,
51	Brawn Laboratories Ltd.,
52	Lars Medicare Pvt. Ltd.,
53	Honour Labs Ltd.,
54	Fluid Controls Pvt. Ltd.,
55	Privi Organics India Ltd.,
56	Jay Ushin Ltd.,
57	Primacy Industries Ltd.,
58	Natroyal Industries Pvt. Ltd.,
59	Robert Bosch Starter Motors Generators Indian Pvt. Ltd.,
60	Shanthi Gears Ltd.,
61	Exide Industries Ltd.,
62	PRS Permacel Pvt. Ltd.,
63	Tech Mahindra Ltd.,
64	Sumilon Industries Ltd.,
65	India Pesticides Ltd.,



Annexures

Sl. No.	Company Name
66	Igarashi Motors India Ltd.,
67	Green Vision Sciences Pvt. Ltd.,
68	Rajoo Engineers Ltd.,
69	Shakti Pumps (India) Ltd.,
70	Winsome Textile Industries Ltd.,
71	Mistral Solution Pvt. Ltd.,
72	Lucid Colloids Ltd.,
73	Expo Machine Tools Pvt. Ltd.,
74	Mahindra Electric Mobility Ltd.,
75	S L Lumax Ltd.,
76	NTF (India) Pvt. Ltd.,
77	Carrier Wheels Pvt. Ltd.,
78	Avtec Ltd.,
79	SledgeHammer Oil Tools Pvt. Ltd.,
80	East Coast Magnets Pvt. Ltd.,
81	Everest Blowers Systems Pvt. Ltd.,
82	Ghaziabad Precision Products Pvt. Ltd.,
83	Shivalik Rasayan Ltd.,
84	Raghav Productivity Enhancers Ltd.,
85	Shaily Engineering Plastics Ltd.,
86	Oriental Carbon & Chemicals Ltd.,
87	Asean Agritechnologies (India) Pvt. Ltd.,
88	Kristeel Shinwa Industries Ltd.,

Sl. No.	Company Name
89	Liberty Oil Mills Ltd.,
90	Steerlife India Pvt. Ltd.,
91	Kores India Ltd.,
92	Bharat Fritz Werner Ltd.,
93	Fourfront Pvt. Ltd.,
94	CEE DEE Vacuum Equipment Pvt. Ltd.,
95	Biostadt India Ltd.,
96	ACG Pharma Technologies Pvt. Ltd.,
97	Aspiro Pharma Ltd.,
98	Hexagon Nutrition (Export) Pvt. Ltd.,
99	Biophore India Pharmaceuticals Pvt. Ltd.,
100	Avon Cycles Ltd.,
101	K.N.Biosciences (India) Pvt. Ltd.,
102	Hawkins Cookers Ltd.,
103	Namdeo Umaji Agritech (India) Pvt. Ltd.,
104	Abott Healthcare Pvt. Ltd.,
105	Sanghi Industries Ltd.,
106	Roca Bathroom Products Pvt. Ltd.,
107	Uttamenergy Ltd.,
108	AAK Kamani Pvt. Ltd.,
109	SEDEMAC Mechatronics Pvt. Ltd.,
110	Eta Technology Pvt. Ltd.,
111	Nivedita Chemicals Pvt. Ltd.,
112	Hindustan Composites Ltd.,

ANNEXURE - 8

CERTIFICATES FOR CLAIMING ACCELERATED DEPRECIATION ALLOWANCE ISSUED BY DSIR UNDER RULE 5(2) OF I.T RULES VIDE NOTIFICATION NO. 133/342/86-TPL DATED 1.4.1987

Sl. No.	Name of the Company	Source of Know-how/ Technology	Item of Manufacture	Investments Certified (Rupees in crores)
1.	Indian Oil Corporation Ltd.,	Indigenous Technology developed in their recognized in-house R&D center.	High octane gasoline blending components at OCTAMEX unit, at Mathura Refinery, Mathura, U.P	FY. 2017-18 ₹ 15.40 crores
Total				₹ 15.40 crores

**DETAILS OF PROJECTS SUPPORTED UNDER PROMOTING INNOVATIONS IN INDIVIDUALS, START-UPS and MSMEs (PRISM) [During the year 2018-2019]**

i.	Multiple Bio-CNG for replacing LPG cylinders, electricity generation and refueling of CNG Vehicles [Phase-II]
ii.	Self-propelled three row potato seeding device for restricted holdings [Phase-II]
iii.	Design and development of powered lower limb exoskeleton system for health care of elderly people
iv.	A prototype of solar connected new hybrid MLI with minimum number of switches using EAC switching technique
v.	Development of non-evasive magnetized polyethylene glycol hydrogel/hydroxyapatite based bio-degradable scaffolds: fabrication : <i>in vitro</i> and bio-compatibility studies
vi.	Solar persistent autonomous vessel
vii.	Development of bio-degradable and compostable sapling bags and trays using agricultural waste
viii.	Development of peripheral Blood Smear Instrument
ix.	Design and development of Eco-friendly RFID tags
x.	Vehicle accident damage control system (VADCS)
xi.	Smart dustbins – initiative in line with "Swachh Bharat Abhiyan"
xii.	Eco-friendly health Pro Reliable Water Purifier and Enhancer
xiii.	Design and development of a Novel 3D Printed Splints and Arm supports for Arthritis and Arm injured persons
xiv.	Development of a multipurpose instrument for study of magneto electrochemical experiments with custom software for data display, recording and analysis
xv.	Eco-friendly processing of Eri Silk to promote value chain
xvi.	Development of e-yarn Counting Device for Textile Sector
xvii.	Development of affordable hardened plastic based Bamboo Splinting machine for productivity enhancement
xviii.	Design and fabrication of cost-effective improved biomass cook stove for domestic utility
xix.	Affordable solar power baby warmer
xx.	Scale Compass – An Accurate Drawing Aid
xxi.	Development of Pucca Housing Topography using Bamboo fiber ferrocement concrete
xxii.	A mechanical power transmission device
xxiii.	Fabrication of working module of Ferroelectric Discotic Liquid Crystal Solar Cell
xxiv.	Development of Solar operated Micro Irrigation Applicator
xxv.	Development of Linear Switched Reluctance Actuators for looms
xxvi.	Smart nest management system for small scale business in rural areas
xxvii.	Novel and intelligent drip bio-fertigation high end monitoring and controlling system for agronomical practices under protected crop culture based on wireless sensor network (WSN)
xxviii.	Development of inflated solar dryer and destalking machine for chilli : Improved technologies towards enhancing income of chilli farmers

(contd.)

Annexures

xxix.	Multipurpose innovative sprayer for farmers
xxx.	Automated wheel chair for physically challenged
xxxi.	A radio frequency device for detection, imaging and mapping of underground utilities
xxxii.	Hyper Xs – a Thumb wearable device with distributed gesture recognition architecture
xxxiii.	Novel silicon nipple to prevent early childhood caries (dental decay)
xxxiv.	Vermiwash from Bio-waste used as a Biopesticides as well as fertilizers
xxxv.	Designing & building prototypes of Novel Automatic Energy Monitoring Device with Wirelessly Connected Multiple Mini Units
xxxvi.	IoT based Affordable Cattle Monitoring System
xxxvii.	Development of Working Model for Highly Miniaturized process intensified distillation unit
xxxviii.	Modelling and fabrication of Security Gadget for Tirumala Pilgrims
xxxix.	Design and fabrication of Overdrive Enhancer for Four Wheeler
xl.	Thermal insulation, Fire protection materials and process of their development
xli.	Development of Biomarkers diagnosis kit for the diagnosis of Acute Respiratory Distress Syndrome (ARDS)
xl.ii.	Design, development, fabrication, testing and validation of a 1000 W calibration grade solid state power source with multiple unit synchronising & IoT capabilities
xl.iii.	Count Cap : A small mechanized bottle's cap, providing features of direct measuring, controlling & pre-setting of fluid amount which passes through it

**DETAILS OF COMPLETED PROJECTS SUPPORTED UNDER PROMOTING INNOVATIONS IN INDIVIDUALS, START-UPS and MSMEs (PRISM)****Completed Projects during the year 2018-2019**

Sl. No.	Name of the Project
PRISM Phase I/Phase II	
i.	Multiple Output Converter (MOC) for Utility Power Applications
ii.	Design and development of affordable personal Oral Irrigator (3-in-1 Dental Jet) for prevention, control and treatment of dental cavities & gum diseases for rural and urban population
iii.	Light weight portable folding stool
iv.	Banned Ivory – its “replacement”
v.	Non-electric manually operated washing machine (NEMOW)
vi.	Design and development of a Tractor Operated Vegetable Transplanter for plug-type seeding
vii.	Wave energy converter
viii.	Development of a new generation of nematicides, Cocktails to effectively target the plant parasitic pathogen, the root knot nematode <i>Meloidogyne incognita</i>
ix.	Innovative energy saving furnace with recuperator
x.	Conversion of vegetable/fruit market/kitchen/eating house waste into organic manure and bio-gas
xi.	Heat pipe based window mounted solar water heater for domestic apartments
xii.	Retrofit kit for disabled persons
xiii.	Development of Keratinase treated feather waste based Organic Manure
xiv.	Low power portable MUGA and ERI spinning machine
xv.	Development of seed cum manure dill for row crop cultivation
xvi.	Prototype development of Analog and Digital RC servo motors for Autonomous Systems
xvii.	Real time 3D scanner based Psycho-physical rehabilitation
xviii.	Automatic window washer & dryer machine for high rise building
xix.	Artificial human-skin as an alternative to animal model for drug and cosmetic testing
xx.	Development of a Novel Animal free reagent based prototype Blood Test Kit for early heart attack diagnosis
xxi.	A next generation home appliances that automatically makes rotis and other flat breads all by itself using wide varieties of fours
xxii.	Solar powered farm level Cold Storage with battery-less refrigeration and thermal storage

Cumulative List of TDDP/PATSER Projects Commercialized so far

Sl. No.	Company	Project title
1	Abilities India Pistons & Ring Limited, New Delhi	Development of Small Size Pistons for Two Stroke Engines by High Pressure Die Casting Process
2	ACE Designers Pvt. Ltd., Bengaluru	PC Based CNC System
3	Aesthetic Technologies Pvt. Ltd., Kolkata	Dev. of an Interactive Multimedia Package for Intellectual Property Rights Training
4	Aishwaraya Telecom Pvt. Ltd., Hyderabad	Design & Development of Optical Power Meter (Type A & B) and Optical Talk Set
5	Aishwaraya Telecom Pvt. Ltd., Hyderabad	Hand Held Optical Test Equipments (Optical Power Meter, Optical Light Source 1310/1550NM, and Fiber Identifier)
6	Andrew Yule & Co. Ltd., Kolkata	Dev. of Rough Top Conveyor Belting
7	Anu's Lab Ltd., Hyderabad	Development of process for manufacture of 1-Bromo-3-chloropropane (B.C.P) and 1-3-dibromo Propane (D.B.P) in pilot plant
8	Arch Pharmed Labs Ltd., Mumbai	Scale up Studies for Polymorphic Form-I of Clopidogrel Bisulphate Process
9	Ardee Technologies Pvt. Ltd. (Formerly Ardee Business Services Pvt. Ltd.), Vishakhapatnam	Dev. of a Mobile, Four Channel Modular, RAMDARS System for Dry Beneficiation of Coal.
10	Ardee Technologies Pvt. Ltd. (Formerly Ardee Business Services Pvt. Ltd.), Vishakhapatnam	Development of Higher Dimension Aluminum Granules Coded Wire along with Complete High speed Wire Feeder
11	Ardee Technologies Pvt. Ltd. (Formerly Ardee Business Services Pvt. Ltd.), Vishakhapatnam	Manufacture of Magnesium & Calcium Metal Powder
12	Aron Universal Limited, Bengaluru	Bench and pilot Scale process Development for UV Reflective Security Inks and Pigments (UVRIP)
13	ATCOM Technologies Ltd., Mumbai	Dev. of Microbalance of 200 gm. Capacity with 1 mg. Accuracy
14	BelOptronic Devices Ltd., Pune	Development of High Sensitivity Photo Cathode for 18mm SUPERGEN Image Intensifier Tubes
15	Bharat Earth Movers Ltd. (BEML), Bengaluru	Dev. of Crankshaft for Engines by Casting and machining process
16	Bharat Earth Movers Ltd. (BEML), Bengaluru	Upgradation of 50 T Dumper 200 HP Front end loader
17	Biocon Ltd., Bengaluru	Glargine Process Improvement
18	Celestial Labs Ltd., Hyderabad	Development of Toxicity Prediction Module and Integration with CELSUITE - A Computer Aided Drug Design Tool
19	Central Electronics Ltd., Sahibabad	Digital Axle Counter for Railway Signaling
20	Delta Agro Chemicals Ltd., Krishna	Dev. of process for manufacture of Furfural Alcohol by Hydrogenation of Furfural

(Contd.)



Annexures

Sl. No.	Company	Project title
21	Dolphin Industrial Co-operative Society Ltd., Vizianajaram	Glazing of terra-cotta Clay Products
22	Eddy Current Controls Ltd., Kerala	Development of 90KW Brushless Eddy Current Clutch Gear Unit for Radiator Cooling fans in diesel electric locomotives of the Indian Railways.
23	ELICO Ltd., Hyderabad	Development of Indigenous development of FT-IR Spectrophotometer
24	Elkay Chemicals Limited, Pune	Development of Next Generation Amino Silicone based on Hydrosilation Technology
25	Encon Thermal Engineers (P) Ltd., Faridabad	Dev. of Technology for Design and Manufacture of Improved Industrial Natural Gas Burners
26	Enercon Systems Pvt. Ltd., Bengaluru	Development of Centralised Electrical Energy Management System
27	Engineers India Ltd. (EIL) , New Delhi	Development of Membrane Technology for Natural Gas Separation
28	Genus Power Infrastructure Ltd., Jaipur	Smart Closed Loop Energy Management Solution
29	Gland Pharma Ltd., Hyderabad	Hyaluronic Acid and Formulation
30	Goldstone Teleservices Limited, Secundrabad	Designing and developing the technology for manufacturing of EHV Composite Insulator for application in 132KV,22KV & 400KV electric power T&D line.
31	Gujarat Mineral and Dev. Corporation	Dev. of Column Flotation Technology
32	GujaratNarmadaValley Fertilizers Co.Ltd., Bharuch	Dev.and Demo. of Liquid Phase Oxidation Process for Hydrogen Sulfide Removal
33	Haryana Leather Chemicals Ltd., Haryana	Technology Development and Demonstration for application of Cross Linkables Aqueous Aliphatic Polyurethane Dispersions for Leather and Shoe Finishing
34	Haryana Leather Chemicals Ltd., Jind	Development of technology for polymeric fatliquors for upholstery leather
35	HERO Cycles Ltd., Ludhiana	Design,Development,Installation and Commissioning of 6-Hi Cold Rolling Mill
36	Hexagon Product Development Pvt. Ltd.,Vadodara	Development of technology for polymeric fatliquors for upholstery leather
37	Hindustan Zinc Ltd., Udaipur	Extraction of Cobalt to Extract Copper Sulphate
38	Hi-Tech Robotic Systemz Ltd., Bhiwadi	Smarter Material Handling Automated Guided Vehicles (AGVs)
39	IBP Co. Ltd., Gurgaon	Detonating Cord for Shaped Charges
40	Innovation Communications Systems Ltd., Hyderabad	Development of Interactive Voice Response System With Multilingual Capability
41	Insecticides (India) Limited, Bhiwadi	A new approach to sythesis of an import substitute 3-methyl-N-nitroimino perhydro-1,3,5-oxadiazine (MNIO), an intermediate for the manufacture of Thiamethozam.
42	Intas Pharmaceuticals Ltd., Ahmedabad	Development of Endoxifen as a new efficacious and safe therapeutic agent for the treatment of breast cancer

(Contd.)

Annexures

Sl. No.	Company	Project title
43	JSL Industries Ltd., Anand	Dev. of Air Circuit Breaker
44	Klas Technology Ventures Ltd., Bengaluru	Research & Development of Aluminium Cylinders for Liquefied Gases for Domestic, Automotive Applications
45	Lifecare Innovations Pvt. Ltd., New Delhi	Liposomal Amphotericin-B
46	Litex Electricals Ltd., Pune	Laser Pumping Lamps
47	The Maharashtra State Seeds Corporation Ltd., Mumbai	Design, Development and Fabrication of Mini Dry Gas Cotton Seed Delinting Plant (0.5 TPH Capacity)
48	Maini Materials Movement Pvt. Ltd., Bengaluru	Development of In-plant Material Handling Equipments
49	MECPRO Heavy Engineering Ltd., New Delhi	Demonstration of an Efficient Solvent Extraction Plant & Technology with the Vent Air Cracking system
50	MECPRO Heavy Engineering Ltd., New Delhi	Development and Demonstration of Eco-friendly and Efficient Edible Oil Refining technology of Twin Bleaching system and Deacidification-cum-Deodorization System
51	MIC Electronics Ltd., Hyderabad	Development of Fraud Management and Control Centre (FMCC)
52	Minda Industries Ltd., Delhi	Development of Auto Electrical Switches using Rapid Prototyping Facility of I.I.Sc.
53	Minda Industries Ltd., Delhi	Innovative electronic control system for PNG (Pipeline Natural Gas) Fueled Stationary Engine.
54	Mishra Dhatu Nigam Ltd., Hyderabad	Development of Technology for Welding Molybdenum Coils to make coils in single coil weight of 20 kgs.
55	Mishra Dhatu Nigam Ltd., Hyderabad	Development of Technology for producing Wires With Superior Surface Finish employing Wet Drawing Technique
56	NALCO, Bhubaneswar	Dev. of Technology at Pilot Scale Production of Special Grade Alumina
57	NatcoPharma Ltd., Hyderabad	Dev. of Anaerobic Reactor System for Pharmaceutical waste at pilot plant level
58	NED Energy Ltd., Bengaluru	Development of High Energy Density Valve Regulated Lead Acid Batteries
59	Neuland Laboratories Ltd., Hyderabad	Innovative process development for the manufacture of peptide APIs
60	Nirmal Seeds Pvt. Ltd., Jalgaon	Development of novel Biopesticides from antagonistic microbes Bacillus subtilis and Trichoderma viride using Dextrose as a Carrier
61	Ogene system India P. Ltd., Hyderabad	Nano Labelled DNA/RNA compounds
62	Organic Coatings Ltd., Mumbai	Development of (i) Water-based flexo inks used for alscorgent stock (craft paper) and Coated Stock (aat paper) (ii) U.V. radiation curing inks used for coated stock and non-alsarlentufstrates such as PVC Polyester etc.
63	Oriental Engg. Works Pvt. Ltd., Yamunanagar	Solid Handling Fluid Transfer Pump
64	Pan India Electromech Pvt. Ltd., Gurgaon	Development and Demonstration of Complete Automated Solution for Hydrography

(Contd.)



Annexures

Sl. No.	Company	Project title
65	Pennwalt Ltd., Mumbai	Development of Tech. for coating of Chemical process equmt. with fluoropolymers and other high performance polymeric products.
66	Poona Health Services Ltd., Pune	Development of Implants for Knee Joints
67	Praj Industries Ltd., Pune	Development of Energy Efficient Pilot Ring Dryer
68	Pricol Limited, Coimbatore	Design and Development of Capacitance Type Fuel Level Sensor for Flexi Fuels
69	PriyaKlay Pvt. Ltd., New Delhi	Development of Technology, Equipment and related "Product(s)" for Production of Stone Ware/ Vitrified Clay Pipes and other Pipes of other materials, made/produced as a result of this Project having large Diameters of 600 mm to 1000 mm and above and length
70	Punjab Chemicals & Pharmaceuticals Ltd., Delhi	Development of process for the manufacture of Ethyl 2(2-aminothiazol-4-yl)-2- methoxyiminoacetate and 2-formylamino-4-thiazole acetic acid ethyl ester in pilot plant
71	Pure Tech India, Trichy	Liquid Coolant Recovery Systems
72	Radiant Cables Pvt. Ltd., Hyderabad	Development of (a) Low loss RF cables for higher frequency above 10GHZ,(b) Data Bus cable with fire survival, low capacitance dielectric properties and © Laser marked loom assemblies.
73	Rajasthan Electronics & Instruments Limited	Development of small PV-Wind Hybrid power plant for rural application
74	Rishabh Instruments Pvt. Ltd., Mumbai	Design, development & manufacture of (i.) 5 3/4 digit multimeter & (ii) 6 3/4 digit multimeters
75	RishangKeishing Foundation for Management of Tribal Areas, New Delhi	Ginger Oil
76	Sai Life Sciences Limited (formerly SaiAdvantiumPharma Limited), Hyderabad	Manufacture of Corey's Lactone and Prostanoids: Iloprost, Lubiprostone and Travoprost
77	Sami Labs Limited, Bengaluru	Development and Pilot Plant Trials Towards Commercialisation of two Products, namely (I) A pentapeptide with a Natural Triterpenoid Conjugate (ii) Extraction of Pterostilbebe from PterocarpusMarsupium& Conversion to Resveratrol
78	Sami Labs Limited, Bengaluru	Optimizatin and Pilot Plant Trials Towards Commercialisation of standardized Colcynthin extract from the medicinal plant "Citruilluscolocynthin"
79	Select Packaging Machines Ltd., Thane	Special Blister Packaging Machines/Form Fill-seal Machine
80	Sequent Scientific Ltd., Thane	Development of Nitroscanate
81	Sequent Scientific Ltd., Thane	Development of Dorzolamide HCl
82	SM Telesys Ltd (SMTL), Noida	Dev. of Two Line Indian Language Multilingual Pager (ILP)
83	Solaris Chemtech Ltd. (formerly BILT Chemicals), Mumbai	Dev.and demo. of Technology for the manu. of Tetra Bromo Bisphenol-A (TBBA) on a pilot plant level
84	Som Shiva (Impex) Ltd., Ahmedabad	New Process Development for Special Elastomer compound

(Contd.)

Annexures

Sl. No.	Company	Project title
85	Sonodyne Technologies Pvt. Ltd., Kolkata	DSP Based High-end professional Audio Speakers
86	Steel Strips Wheel Ltd., Chandigarh	Technology Development and Demonstration of Improved Manufacturing Process for Automotive Wheel Discs
87	Sundaram Clayton Limited, Chennai	Development of Magnesium alloy pressure die castings for automotive applications
88	T. Stanes & Company Ltd., Coimbatore	Establishing and Producing bio Control Agents on Pilot Plant Scale
89	T. Stanes and Company Limited, Coimbatore	Development of Biofertilizers (Emulsifiable concentrate) for Nutrient Management of Agricultural Crops
90	T. Stanes and Company Ltd., Coimbatore	Dev. of technology for manufacture of Digested Organic Supplement (DORS)
91	Tejas Networks Limited, Bengaluru	Development of LTD Macro eNodeB Base Stations
92	Transasia Bio-Medicals Ltd., Mumbai	Fully automated high speed blood chemistry analyser for through put of around 1000 tests/hour
93	Tropilite Foods Pvt. Ltd., Gwalior	Upscaling and commercial production of Lactic Acid Bacteria Starter culture for Yogurt/Curd production
94	Uday Computer Aided Manufacturing (P) Ltd, Bengaluru	Develop and demonstrate the Large Size CNC Rotary Table 2500 x 2500 with Translation Movement – Model URH –
95	Uniproducts (India) Ltd.	Development of UNI-Density Insulator for Vehicles
96	United Telecom Ltd., Bengaluru	Asymmetric Digital Subscriber Line (ADSL) System
97	United Telecom Ltd., Bengaluru	Development of AAM (ATM Access Multiplexer)
98	VINS Biproducts Ltd., Hyderabad	Purification of Gas Gangrene Causing Clostridium Toxins and Development of Monovalent and Polyvalent Antitoxins
99	Zen Technologies Ltd., Hyderabad	Design and Development of 6 DoF Electrical Motion Platform
100	Zen Technologies Ltd., Hyderabad	Interactive Small Arms Training Simulator (ISAT)
101	Zim Laboratories Ltd., Nagpur	Development and demonstration of technology to manufacture a new dosage form namely – Oral Thin Films



REPRESENTATION of SCs, STs AND OBCs As On 31st MARCH 2019

Group	No. of Employees					Number of appointment made during the Calendar year											
	(As on 31-03-2019)					By Direct Recruitment				By Promotion			By Other Methods				
	Gen	SCs	Sts	OBCs	Total	SCs	Sts	OBCs	Total	SCs	Sts	Total	SCs	Sts	OBCs	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
	28*	4	0	4	36	-	-	-	-	-	-	-	-	-	-	-	
Group-B	14	5	2	3	24	-	-	-	-	-	-	-	-	-	-	-	
Group-C	5	7	1	2	15	-	-	-	-	-	-	-	-	-	-	-	
Total	47*	16	03	09	75*	-	-	-	-	-	-	-	-	-	-	-	

Note: 1. DSIR recruits only Scientific and Technical posts.

2. *Excluding one post of JS (Admn.) which is on notional basis.

REPRESENTATION of THE PERSONS WITH DISABILITIES As On 31st MARCH 2019

Group	Number of Employees				Direct Recruitent								Promotion							
					No. of Vacancies Received				No. of Appointments Made				No. of Vacancies Received				No. of Appointments Made			
	Total	VH	HH	OH	VH	HH	OH	Total	VH	HH	OH	VH	HH	OH	Total	VH	HH	OH		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)		
Group-A	36*	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Group-B	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Group-C	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	75*	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

*Excluding one post of JS (Admn.) which is on notional basis.

EXTRACTS OF AUDIT OBSERVATIONS BY CAG

Following Audit paras pertaining to DSIR appeared in the CAG report of 2018:

Audit Observations on DSIR:

Report No. 2 of 2018

Para 6.1: Non-recovery of penal interest

Failure of Department of Scientific and Industrial Research to impose penal interest on delayed remittances of its share of income from projects funded to private industries resulted in non-recovery of ₹ 22.55 crore.

Audit Observations on Autonomous Bodies under DSIR – Council of Scientific & Industrial Research (CSIR)

Report No. 2 of 2018

Para 6.2: Management of Eleventh Five Year Plan projects of CSIR

Audit of 27 selected Eleventh Five Year Plan projects under the National Laboratory Scheme of Council of Scientific and Industrial Research revealed deficiencies in monitoring system in terms of non-constitution/delayed constitution of the Task Forces/ Sectoral Monitoring Committees/ Research Councils and shortfall in the number of meetings these agencies had to conduct to oversee the implementation of the projects.

Para 6.3: Avoidable payment of electricity charges

Delayed action by Indian Institute of Chemical Biology, Kolkata, for reducing the contract demand resulted in avoidable expenditure of ₹ 264.90 lakh towards billing demand charges paid to West Bengal State Electricity Distribution Company.

Pendency position of ATNs in respect of Audit observations

Sl.No.	Year	No. of Paras/PA reports on which ATNs have been submitted to PAC after vetting by Audit	Details of the Paras/PA reports on which ATNs are pending			
			No. of ATNs not sent by the Ministry even for the first time	No. of ATNs sent but returned with observations and Audit is awaiting their resubmission by the Ministry	No. of ATNs resubmitted to Audit by the Ministry	No. of ATNs which have been finally vetted by Audit but have not been submitted by the Ministry to PAC
1.	2018*	08	0	01	01	03

[* As on 31.12.2018]

**MOUS/MOAs/AGREEMENTS SIGNED DURING 2017 – 18 BY NRDC (40 Nos.)****Name of Institute**

- CSIR-Advanced Materials and Processes Research Institute (AMPRI), Bhopal
- CSIR-Central Scientific Instruments Organisation (CSIO)
- CSIR-National Geophysical Research Institute (NGRI)
- Indian Institute of Carpet Technology
- National Institute of Food Technology Entrepreneurship and Management (NIFTEM)
- Jawaharlal Nehru University (JNU)
- Orissa University of Agriculture & Technology, Bhubaneswar
- Council of Scientific & Industrial Research (CSIR)
- Good Earth Limited, Ghana
- Intellectual Property Management Cell, New Delhi
- Phosphate Rich Organic Manure (PROM) Society, Delhi
- Andhra Pradesh Innovation Society, Visakhapatnam
- Indian Oil Corporation Limited (IOCL), R&D, Faridabad
- Kumaraguru College of Technology (KCT), Coimbatore
- Lovely Professional University, Jalandhar
- Gandhi Institute of Technology and Management (GITAM), Vizag
- Guwahati Biotech Park (GBP) Technology Complex, IIT Guwahati, Assam
- Assam down town university, Assam
- Vignans Institute of Information Technology, Vizag
- GayatriVidyaParishad, College of Engineering, Vizag
- Central Road Research Institute (CSIR-CRRI), New Delhi
- Institute of Aeronautical Engineering, Hyderabad
- Indian Institute of Information Technology, Hyderabad
- International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad
- The National Focal Point-Cell for IPR Promotion and Management (CIPAM), Deptt. of Industrial Policy and promotion (DIPP), New Delhi
- Kalam Institute of Health Technology (KIHT), Vizag

Annexures

- Gujarat Innovation Society, Ahmedabad
- SAGE University, Indore
- Shri Vaishnav Vidyapeeth Vishwavidyalaya (SVVV) University, Indore
- M/s Greentech Mega Food Park Ltd, Ajmer
- The Tribal Cooperative Marketing Development Federation of India (TRIFED), New Delhi
- Avantika University Vishwanathpuram, Lekoda Village, Ujjain
- Indian Institute of Technology, Roorkee
- The United States Patent and Trademark Office
- European Business and Technology Centre
- GoMassive Incubators Pvt. Ltd.
- CSIR- Central Electronics Engineering Research Institute (CEERI), Pilani
- Global Business Incubator Private Limited, Hyderabad
- Andhra Pradesh Medical Technology Zone, Vizag
- Galgotia University, Noida



PROCESSES ASSIGNED TO NRDC BY INSTITUTIONS (135 Nos.)

CSIR-CSIO

- Head-Up Display (HUD)
- Bore Sighting tool
- Night Driving Filter
- Ferro Fluid based liquid cooling system
- Myoelectric arm
- Surgical microscope for eye surgery
- Electronic Knee
- Iodine Value Meter
- Rice Grading System
- Portable energy audit tool
- Development of Water Quality Monitoring Watchdog Pod
- "VIBHRA: Virtual Intelligent Techniques for Rehabilitation of Persons with Motor Disability"
- Production Technology of Plastic Aspheric Precision Lens for Indirect Ophthalmoscopy (GAP 0295)
- Postural Stability Assessment System
- Earthquake Warning System for Metro Rail
- AIR ASSISTED ELECTROSTATIC SPRAYER (AAESS)
- Low Cost Oxygen Monitor (LCOM)

CSIR-CSMCRI

- Preparation and applications of non-hazardous brominating reagent
- Preparation of industrially important organo-bromo compounds using brominating reagent
- Cultivation technology for commercial scale farming of *Kappaphycusa Ivarezii*, a principal source of κ -carrageenan
- Processes for the production of seaweed liquid fertiliser from brown seaweed
- Production of food grade agar from cultivated *Gracilaria edulis* / *G. debilis*
- Integrated processes for simultaneous production of sap and κ -carrageenan from fresh seaweed
- Continuous electro-deionization based system for production of ultrapure water
- Preparation of low sodium salts of botanic origin

Annexures

- Preparation of molecular biology grade agarose from Indian seaweed suitable for nucleic acid separation
- A cost-effective process for production of high purity solar salt in solar salt works

ARCI, Hyderabad

- Advanced Detonation Spray Coating Technology (DSC) MARK-II
- Detonation Spray Coating (DSC) Technology
- Micro Arc Oxidation
- Electro Spark Coating (ESC) Equipment Manufacturing Technology
- Transparent Ceramics
- Electrochemical Methanol Reformation (ECMR) for Hydrogen Generation
- PEM Fuel cell Powered Materials Handling Devices
- PEM Fuel Cell based Power Supply Systems
- Sintered Silicon Carbide (SiC) Components
- Solar Selective Coatings for Stainless Steel and Aluminium Substrates
- Nanosilver Impregnated Ceramic Candle Filter
- High Performance Varistors made from Doped ZnO Nanopowders
- 2D-Nanolayered Transition Metal Sulfides (2D-NTMS)
- Fe- based Cerametallic Friction Pads for Clutch Plates of Heavy Vehicles
- Multifunctional Titania Microspheres for Self Cleaning Applications
- Laser Welding and Laser-MIG Hybrid Welding
- Laser Surface Hardening Treatment
- Laser Surface Coating (Alloying and Cladding)
- Laser Drilling
- Exfoliated Graphite and its value added products

CSIR-CMERI

- Domestic Arsenic Water Filter Unit
- Domestic Arsenic Water Filter Unit
- Solar Park
- Post Harvesting Processing Unit
- Smart Solar Energy Meter

CSIR-IITR, Lucknow

- Circular Electrophoresis
- Detection of Butter Yellow for adulteration in Mustard oil



- Argemone Oil Detection Kit [AO-Kit]
- Water Analysis Kit (O-NEER)
- Electronic devices for drinking water disinfection

CSIR-CDRI

- Centbucridine - A Local Anaesthetic
- CDR-3002/C002 A herbal extract for osteoporosis

CSIR-IHBT Palampur

- A Room Temperature And Boiling Stable Superoxide Dismutase (SOD) Enzyme From Himalayan Bio-Resource: Production Technology
- Agro and Processing Technology of Stevia
- Tea Catechins: Extraction Technology
- Tea Wine: Manufacturing Technology
- Ethnic Cuisines of Himalayas (Adaptable To Other Local Cuisines As Well)
- Crispy Fruits

CSR & TI, Mysuru

- ROT-FIX: A Broad Spectrum Environment Friendly Formulation for control of root rot disease in Mulberry

Mahatma Gandhi Institute for Rural Industrialization

- A nutraceutical supplement for acidity
- A nutraceutical supplement for asthma
- A nutraceutical supplement for constipation
- A novel aphrodisiac nutraceutical supplement
- A novel calcium-iron nutraceutical supplement
- A novel galactagogue nutraceutical supplement

NTPC

- Nano-lubricant VGIS 68 Grade oil

PROM Society

- PROM: Phosphate Rich Organic Manure

CSIR-NPL

- Process for the Preparation of Zinc Peroxide Nano-particles and its Application for Controlling Spore Germination in Wheat (*Bipolaris sorokiniana*) and an Antimicrobial Agent and Preparation Thereof
- Electro-Magnetic Acoustic Transducer (EMAT) based Instrument for Non-Contact Ultrasonic Non-Destructive Testing (NDT)

Annexures

- A Process for Removal of Arsenic, Chromium, Cyanide and Pesticides for Improving Water Quality
- Acoustical Lightweight Interior Dry Wall Panel for High Sound Insulation
- An Antimicrobial Agent and Preparation Thereof
- Apparatus for Polarization vs Electric Field Measurement at Various Frequencies in Thin Film Samples
- Calibrated Photodetector and its Monitoring Unit
- Carbon Composites Bipolar Plates for Hydrogen based Fuel Cell Applications
- Carbon Foam
- Commercial Process for the Recovery of High Purity Gold and Silver Process Waste
- Development of Free Standing and Flexible Carbon Nanotube Paper
- Development of Mesocarbon Microbeads
- Electro-Magnetic Acoustic Transducer (EMAT) for Generation and Detection of Ultrasound in Electrically Conducting Metals
- FonOclock with Time Synchronization Accuracy of ± 10 ms
- High Density Graphite
- Long Afterglow Phosphor Powders
- Low-cost and Maintenance-free Thermoelectric Cooler/Refrigerator
- Metal Alloy Based Nano -powders for EM Absorbing Paints
- PM2.5 Sampler
- Porous Conducting Carbon Paper as a Fuel Cell Electrode
- Process for Synthesis of Fullerene Acceptors for Organic Solar Cells
- Recycling of Plastic Wastes into Tiles for Structure Designing for Societal Usage
- Smart Coatings of Conducting Polymers for Corrosion Protection
- Thermal Chemical Vapour Deposition (CVD) Set-up for Graphene Deposition

CSIR-CECRI

- 3-Chloromethyl Azetidinone Ester (Cephalosporin Antibiotic)
- 3-kW LT-PEMFC for Stationary Power Application
- Amorphous Alloy Coatings by Sputtering on Surgical Tools
- Anodizing of Aluminium
- Barrel Electro Polishing of Stainless Steel Needles
- Brush Electropolishing of 316LN Stainless steel
- Coloring of Stainless Steel
- Copper Plating of Stainless Steel



Annexures

- Degradable Amorphous Alloy Coatings by Sputtering for Bioimplants
- Electrochemical Conversion of DL-Homocystine to DL-Homocysteine
- Electrochemical Dyeing of Cotton Fabrics
- Electrochemical Synthesis of PerfluorobutaneSulfonylfluoride
- Electroplating of Gold
- Electropolishing of AISI 304 Stainless Steel
- Lead Free Electroplating Process for Cu-Sn Alloy and Ag-Bi Bilayer
- Metal Oxide Impregnated Fabrics for Surgical Mesh
- Simultaneous Detection and Inhibition of Corroding Steel Structures by Imine Functionalized Silica Aerogels and its Process thereof
- Sputter Coating of Metallic Nitrides on Nickel or Chrome Plated Stainless Steel Needles & on Synthetic Chemical Stones
- Sputter Etching of Brass Valves for Bonding to Rubber
- Super Hard Coatings for Biomedical Applications / Cutting Tools
- Zinc-Nickel Electrodeposition on Stainless steel
- Anticorrosive Treatment for Steel Reinforcement Rods
- Biodegradable Inhibitor for Preventing Scale and Corrosion Deposits of Steel Pipeline in Cooling Water System and Process thereof
- Cement Polymer Composite Coating System for Corrosion Protection of Reinforcing and Prestressing Steels.
- Corrosion Resistance, Thermal Coating for Hydroclaves
- Corrosion Resistant Inhibitive Admixture for Portland Pozzolana Cement
- Electrochemical Defluorination of Drinking Water.
- Formulation of Neutral Paint Removing Jelly
- High Performance Epoxy PAB Coating System
- High Temperature Ceramic Thermal Barrier Coatings for Missile Components
- Indigenous Li-Ion Battery
- Integrated Corrosion Monitoring Sensor (ICMS) Gadget
- Modified Polymer Electrolyte Membranes Fuel Cell (PEMFC) Stacks for Hydrogen Removal
- Multicoat Protective Scheme for Concrete Structures and Bridges
- PEM Electrolyser
- Redox Active Polymer Encapsulated Lamellar (REL) Compound Based Anticorrosive Coating for Reinforcement Bars
- Triboluminescent (TL) Paint Triggered Luminescence Signal Identifying Smart Camera for Crack Detection of Structural Components

PROCESSES LICENSED DURING 2017-18 BY NRDC (35 Nos.)**National Institute of Communicable Diseases NICD–Shamnath Marg, Delhi**

- Evaporative Cooling Apparatus Resistance to Vector Breeding 2

CSIR-NEIST, Jorhat, Assam

- Anti Arthritis –Herbal Formulation for Arthritis 2

CCRAS, New Delhi

- Ayush-SG (For Rheumatoid Arthritis) 1
- Ayush-82 (Anti –Diabetic Formulation) 2

Indian Institute of Spices Research, Kozhikode, Kerala

- A Micronutrient Composition for Cardamom and a process for its Preparation 5
- A Micronutrient Composition for Black Pepper and a process for its Preparation 3

CSIR-CIMAP, Lucknow

- Stress Relieving Oil 1
- Geranium Active Hair Care Shampoo 1
- Acne Face Wash – Natural Formulation of Acne 1

University of Agricultural Sciences, Bengaluru, Karnataka

- Nata –De-Coco production from Microbial Fermentation of Coconut 2
- Water Through Enrichment Techniques
- Eco Friendly Drought Tolerant Aerobic Rice Variety –ARB6 1
- Ready to Eat Honey PaanBeeda 1

CSIR-CMERI, Durgapur, West Bengal

- Solar Power Tree (3KWP) 3
- 10hp Krishi Shakti Tractor 1

Annamalai University AU, Annamalai Nagar, Tamil Nadu

- Seaweed Extract Fertilizer Process 3



Annexures

Central Sericultural Research & Training Institute, (CSB), Mysuru, Karnataka

- Ankush (Silkworm Bed Disinfectant) 1
- ROT-Fix-A Broad Spectrum Environment Friendly Formulation for Control of Root Rot Disease in Mulberry 1

CSIR-CFTRI, Mysuru, Karnataka

- Fermented & Dehydrated Ready Mixes for Idli & Dosa Batter 1
- Instant Pickles and Chutneys 1

CSIR –Structural Engineering Research Centre (SERC), Chennai, Tamil Nadu

- Technology for Construction of Toilet Unit with Precast Thin Segmental Elements (TUTIP) 2

CSIR ESTABLISHMENTS

BIOLOGICAL SCIENCES

CSIR-CCMB	Centre for Cellular and Molecular Biology, Hyderabad
CSIR-CDRI	Central Drug Research Institute, Lucknow
CSIR-CFTRI	Central Food Technological Research Institute, Mysore
CSIR-CIMAP	Central Institute of Medicinal & Aromatic Plants, Lucknow
CSIR-IGIB	Institute of Genomics & Integrative Biology, Delhi
CSIR-IHBT	Institute of Himalayan Bioresource Technology, Palampur
CSIR-IICB	Indian Institute of Chemical Biology, Kolkata
CSIR-IIIM	Indian Institute of Integrative Medicine, Jammu
CSIR-IMTECH	Institute of Microbial Technology, Chandigarh
CSIR-IITR	Indian Institute of Toxicology Research, Lucknow
CSIR-NBRI	National Botanical Research Institute, Lucknow

CHEMICAL SCIENCES

CSIR-CLRI	Central Leather Research Institute, Chennai
CSIR-CECRI	Central Electrochemical Research Institute, Karaikudi
CSIR-CSMCRI	Central Salt & Marine Chemicals Research Institute, Bhavnagar
CSIR-CIMFR	Central Institute of Mining & Fuel Research, Dhanbad
CSIR-IICT	Indian Institute of Chemical Technology, Hyderabad
CSIR-IIP	Indian Institute of Petroleum, Dehradun
CSIR-NCL	National Chemical Laboratory, Pune
CSIR-NEIST	North-East Institute of Science and Technology, Jorhat
CSIR-NIIST	National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram

ENGINEERING SCIENCES

CSIR-AMPRI	Advanced Materials and Processes Research Institute, Bhopal
CSIR-CBRI	Central Building Research Institute, Roorkee
CSIR-CGCRI	Central Glass and Ceramic Research Institute, Kolkata



Annexures

CSIR-CMERI	Central Mechanical Engineering Research Institute, Durgapur
CSIR-CRRI	Central Road Research Institute, New Delhi
CSIR-IMMT	Institute of Minerals and Materials Technology, Bhubaneswar
CSIR-NAL	National Aerospace Laboratories, Bengaluru
CSIR-NEERI	National Environmental Engineering Research Institute, Nagpur
CSIR-NML	National Metallurgical Laboratory, Jamshedpur
CSIR-SERC	Structural Engineering Research Centre, Chennai

INFORMATION SCIENCES

CSIR-NISCAIR	National Institute of Science Communication and Information Resources, New Delhi
CSIR-NISTADS	National Institute of Science Technology and Development Studies, New Delhi
CSIR-4-PI	Fourth Paradigm Institute, Bengaluru

PHYSICAL SCIENCES

CSIR-CEERI	Central Electronics Engineering Research Institute, Pilani
CSIR-CSIO	Central Scientific Instruments Organisation, Chandigarh
CSIR-NGRI	National Geophysical Research Institute, Hyderabad
CSIR-NIO	National Institute of Oceanography, Goa
CSIR-NPL	National Physical Laboratory, New Delhi

UNITS

CSIR-HRDC	Human Resource Development Centre, Ghaziabad
CSIR-TKDL	Traditional Knowledge Digital Library, Ghaziabad
CSIR-URDIP	Unit for Research and Development of Information Products, Pune
CSIR-OSDD	Open Source Drug Delivery, New Delhi
CSIR-TRISUTRA	Translational Research and Innovative Science through Ayurgenomics, New Delhi

ABBREVIATIONS / ACRONYMS

AMPRI	Advanced Material and Processes Research Institute
APCTT	Asian and Pacific Centre for Transfer of Technology
CBDT	Central Board of Direct Taxes
CBRI	Central Building Research Institute
CCMB	Centre for Cellular and Molecular Biology
CDC	Consultancy Development Centre
CDRI	Central Drug Research Institute
CDS/ISIS	Computerized Data Services/Integrated Set of Information Systems
CECRI	Central Electrochemical Research Institute
CEERI	Central Electronics Engineering Research Institute
CFTRI	Central Food Technological Research Institute
CGCRI	Central Glass and Ceramic Research Institute
CII	Confederation of Indian Industry
CIMAP	Central Institute of Medicinal & Aromatic Plants
CIMFR	Central Institute of Mining and Fuel Research
CITT	Centre for International Trade in Technology
CLRI	Central Leather Research Institute
CMERI	Central Mechanical Engineering Research Institute
CRRRI	Central Road Research Institute
CSIO	Central Scientific Instruments Organisation
CSIR	Council of Scientific & Industrial Research
CSMCRI	Central Salt & Marine Chemicals Research Institute
DBT	Department of Bio-Technology
DCPC	Department of Chemicals & Petrochemicals
DCSSI	Development Commissioner, Small Scale Industries
DRDO	Defence Research and Development Organization
DSIR	Department of Scientific & Industrial Research
ESCAP	Economic and Social Commission for Asia and the Pacific
EXIM	Export-Import
FC	Foreign Collaborations
FICCI	Federation of Indian Chambers of Commerce and Industry



Annexures

ICAR	Indian Council of Agricultural Research
ICAS	Indian Council of Ayurveda & Siddha
ICMR	Indian Council of Medical Research
ICSSR	Indian Council of Social Sciences Research
ICSTI	International Centre for Science & Technology Information
IDAMS	Internationally Developed Data Management System
IGIB	Institute of Genomics & Integrative Biology
IGNOU	Indira Gandhi National Open University
IHBT	Institute of Himalayan Bioresource Technology
IICB	Indian Institute of Chemical Biology
IICT	Indian Institute of Chemical Technology
IIFT	Indian Institute of Foreign Trade
IIIM	Indian Institute of Integrative Medicine
IIP	Indian Institute of Petroleum
IISc	Indian Institute of Science
IIT	Indian Institute of Technology
IITR	Indian Institute of Toxicology Research
IMMT	Institute of Minerals and Materials Technology
IMT	Institute of Microbial Technology
INFLIBNET	Information Library Network
INSA	Indian National Science Academy
IPR	Intellectual Property Rights
ISRO	Indian Space Research Organization
ITPO	India Trade Promotion Organization
LAN	Local Area Network
LCA	Light Combat Aircraft
MDR	Multi Drug Resistance
MIT	Ministry of Information Technology
MoU	Memorandum of Understanding
NACIDS	National Access Centres to International Database Services
NAFEN	National Foundation of Indian Engineers
NAL	National Aerospace Laboratories
NBRI	National Botanical Research Institute
NCAER	National Council of Applied Economic Research
NCL	National Chemical Laboratory
NCSI	National Centre for Science Information

Annexures

NEERI	National Environmental Engineering Research Institute
NEIST	North-East Institute of Science & Technology
NGRI	National Geophysical Research Institute
NICMAR	National Institute of Construction Management and Research
NID	National Institute of Design
NIDC	National Industrial Development Corporation
NIFT	National Institute of Fashion Technology
NIIST	National Institute for Inter-disciplinary Science and Technology
NIO	National Institute of Oceanography
NISCAIR	National Institute of Science Communication and Information Resources
NISTADS	National Institute of Science Technology and Development Studies
NMCC	National Manufacturing Competitiveness Council
NML	National Metallurgical Laboratory
NPL	National Physical Laboratory
NRDC	National Research Development Corporation
NRFC	National Register of Foreign Collaborations
NSTMIS	National Science and Technology Management Information System
PSE	Public Sector Enterprise
SERC	Structural Engineering Research Centre
SIRO	Scientific and Industrial Research Organization
SME	Small and Medium Enterprise
TCO	Technical Consultancy Organization
TDB	Technology Development Board
TEDO	Technology Export Development Organization
TePP	Technopreneur Promotion Programme
TIFAC	Technology Information Forecasting and Assessment Council
TM	Technology Management
TQM	Total Quality Management
UGC	University Grants Commission
UNCTAD	United Nations Conference on Trade and Development
UNDP	United Nations Development Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNIDO	United Nations Industrial Development Organization
WIPO	World Intellectual Property Organization

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....