

ANNEXURE 4

**LIST OF IN-HOUSE R&D UNITS IN INDUSTRY REPORTING
ANNUAL EXPENDITURE IN THE RANGE OF
RS. 100 LAKHS TO RS. 500 LAKHS**

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---------------------------------------|--|
| 1. | Advanced Enzymes | 475 |
| 2. | Aarti Industries Ltd. | 188 |
| 3. | Aarti Drugs Ltd. | 374 |
| 4. | Ador Welding Ltd. | 127 |
| 5. | Advanta India Ltd. | 142 |
| 6. | Aerospace System Pvt. Ltd. | 323 |
| 7. | Ajit Seeds Ltd. | 346 |
| 8. | Alkali Metals Ltd. | 326 |
| 9. | Alkyl Amines Chemicals Ltd. | 125 |
| 10. | Alkam Laboratories Ltd. | 364 |
| 11. | Amalgam Leather Pvt. Ltd. | 283 |
| 12. | Amara Raja Batteries Ltd. | 136 |
| 13. | Amphenol Interconnect India Pvt. Ltd. | 162 |
| 14. | Amrutanjan Ltd. | 373 |
| 15. | Amtrex Hitachi Appliances Ltd. | 120 |



Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|--|--|
| 16. | Ankur Seeds Pvt. Ltd. | 313 |
| 17. | Anabond Ltd. | 158 |
| 18. | Aptech Ltd. | 179 |
| 19. | Apollo Tyres Ltd. | 413 |
| 20. | Applied Electro-Magnetics Pvt. Ltd. | 240 |
| 21. | Arch Pharma Labs Ltd. | 100 |
| 22. | Ardee Business Services Pvt. Ltd. | 114 |
| 23. | A S L Advanced System Ltd., | 375 |
| 24. | Autometer Alliance Ltd. | 176 |
| 25. | Avera Laboratories Ltd. | 121 |
| 26. | Avsarala Tungsten Ltd. | 183 |
| 27. | Avestha Genuine Technologies Pvt. Ltd. | 495 |
| 28. | BPL Engineering Ltd. | 125 |
| 29. | BPL Telecom Ltd. | 110 |
| 30. | BalaJi Amines Ltd. | 372 |
| 31. | Bajaj Electricals Ltd. | 167 |
| 32. | Ballarpur Industries Ltd. | 100 |
| 33. | Balmer Lawrie & Company Ltd. | 253 |
| 34. | Balsara Hygine Products Ltd. | 124 |
| 45. | Bangalore Integrated System Solution Pvt. Ltd. | 215 |
| 36. | Banyan Network Pvt. Ltd. | 138 |
| 37. | Bata India Ltd. | 392 |
| 38. | Bayer Crop Sciences Ltd. | 190 |
| 39. | Biological E. Ltd., | 292 |

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Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|--|--|
| 40. | Bejo Sheetal Seeds Pvt. Ltd | 390 |
| 41. | Berger Paints India Ltd. | 125 |
| 42. | Bharat Seats Ltd. | 132 |
| 43. | Bharat Heavy Plate & Vessels Ltd. | 338 |
| 44. | Bhartia Industries Ltd. | 129 |
| 45. | Bilag Industries Pvt. Ltd. | 315 |
| 46. | Biological E. Ltd. | 380 |
| 47. | Bombay Burmah Trading Corporation Ltd. | 132 |
| 48. | Britannia Industries Ltd. | 132 |
| 49. | CMC Computers Ltd. | 134 |
| 50. | Calyx Chemical & Pharmaceuticals Pvt. Ltd. | 244 |
| 51. | Camlin Ltd. | 194 |
| 52. | Carborundum Universal Ltd. | 190 |
| 53. | Castrol India Ltd. | 487 |
| 54. | Catterpillar India Ltd. | 232 |
| 55. | Cantaur Chemical Ltd., | 373 |
| 56. | Cantaur Pharmaceuticals Ltd., | 350 |
| 57. | Century Textiles & Industries Ltd. | 107 |
| 58. | Ceat Ltd. (Tyre Division) | 118 |
| 59. | Chembond Chemicals Ltd. | 104 |
| 60. | Chennai Petroleum Corporation Ltd. | 334 |
| 61. | Colour-Chem Ltd. | 482 |
| 62. | Comed Chemicals Ltd. | 166 |
| 63. | Concept Pharmaceuticals Ltd. | 250 |



Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---|--|
| 64. | Coral Telecom Ltd. | 101 |
| 65. | Cosmo Films India Ltd. | 290 |
| 66. | DE-NOCIL Crop Protection Ltd. | 216 |
| 67. | DGP Hinoday Industries Ltd. | 190 |
| 68. | DGP Windsor India Ltd. | 152 |
| 69. | Dai-ichi Karkaria Ltd. | 355 |
| 70. | Dhampur Sugar Mills Ltd. | 300 |
| 71. | Dishman Pharmaceutical & Chemical Ltd. | 213 |
| 72. | Dr. Vithalrao Vikha Patil Sahakari Sakhar Karkhana Ltd. | 384 |
| 73. | Duke Arnic Electronics Ltd. | 108 |
| 74. | Dynamatic Technologies Ltd. | 232 |
| 75. | East India Pharmaceutical Works Ltd. | 105 |
| 76. | Efftronics System Pvt. Ltd. | 107 |
| 77. | Emcure Biotech Ltd. | 450 |
| 78. | Elder Pharmaceutical Ltd. | 400 |
| 79. | Electronic Research Ltd. | 131 |
| 80. | Elgi Tread (India) Ltd. | 208 |
| 81. | Elin Electronics Ltd. | 175 |
| 82. | Emergent Genetics India Pvt. Ltd. | 323 |
| 83. | Emmellen Biotech Pharmaceuticals Ltd. | 193 |
| 84. | Encore Software Ltd. | 428 |
| 85. | Enercon Systems Pvt. Ltd. | 100 |
| 86. | Eureka Forbes Ltd. | 187 |
| 87. | Excel Crop Care Ltd. | 252 |

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Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---|--|
| 88. | Excel Industries Ltd. | 193 |
| 89. | Eveready Industries India Ltd. | 110 |
| 90. | Excel Industries Ltd. | 208 |
| 91. | Fermenta Biotech Ltd. | 240 |
| 92. | Fibcom India Ltd. | 273 |
| 93. | Fortune Biotech Ltd. | 204 |
| 94. | Foseco India Ltd. | 242 |
| 95. | Gajra Gears Pvt. Ltd. | 120 |
| 96. | Gammon India Ltd. | 128 |
| 97. | Ganga Kaveri Seeds Pvt. Ltd. | 133 |
| 98. | Garware Polyester Ltd. | 261 |
| 99. | Gland Pharma Ltd. | 450 |
| 100. | Gujarat State Fertilizers & Chemicals Ltd. | 378 |
| 101. | Gilbrandson Chemicals Ltd | 168 |
| 102. | Garware Wall Ropes Ltd. | 180 |
| 103. | Genus Overseas Electronics Ltd. | 302 |
| 104. | Gland Pharma Ltd. | 261 |
| 105. | Godavari Sugar Mills Ltd | 100 |
| 106. | Godrej Agrovvet Ltd. | 135 |
| 107. | Goodlass Nerolac Paints Ltd. | 412 |
| 108. | Gujarat Narmada Valley Fertilisers Co. Ltd. | 167 |
| 109. | Grasim Industries Ltd. | 138 |
| 110. | HMT Ltd. (Tractor Division) | 140 |
| 111. | HMT Machine Tools Ltd. | 281 |



Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---|--|
| 112. | Hargovind Bajaj Research & Development Centre | 258 |
| 113. | Harita Seating Systems Ltd. | 168 |
| 114. | Hindustan Motors Ltd. (Auto Division) | 184 |
| 115. | Haryana State Electronics Development Corpn. Ltd. | 170 |
| 116. | Hawkins Cookers Ltd. | 110 |
| 117. | Heinz India Pvt. Ltd. | 412 |
| 118. | Hetero Drugs Ltd. | 406 |
| 119. | Hikal Ltd. | 351 |
| 120. | High Polymer Lab. | 116 |
| 121. | Hindalco Industries Ltd. | 191 |
| 122. | Hindustan Antibiotics Ltd. | 112 |
| 123. | Hindustan Cables Ltd. | 207 |
| 124. | Hindustan Construction Company Ltd. | 362 |
| 125. | Hindustan Copper Ltd. | 119 |
| 126. | Hindustan Insecticides Ltd. | 105 |
| 127. | Hindustan Petroleum Corporation Ltd. | 204 |
| 128. | Hindustan Photo Films Manufacturing Co. Ltd. | 101 |
| 129. | Hindustan Polyamides & Fibres Ltd. | 251 |
| 130. | Hindustan Zinc Ltd. | 250 |
| 131. | Hitachi Home & Life Solutions India Ltd., | 158 |
| 132. | Hyderabad Industries Ltd. | 122 |
| 133. | IBP Company Ltd. | 229 |
| 134. | Indian Acrylics Ltd. | 295 |
| 135. | India Glycols Ltd. | 192 |

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Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|--|--|
| 136. | India Nippon Electricals Ltd. | 130 |
| 137. | Indian Hume Pipe Ltd. | 106 |
| 138. | Indian Rare Earth Ltd. | 236 |
| 139. | India Pistons Ltd. | 142 |
| 140. | Ind Swift Laboratories Ltd. | 458 |
| 141. | Ind Swift Ltd. | 133 |
| 142. | Indo American Hybrid Seeds (India) Ltd. | 169 |
| 143. | Indoco Remedies Ltd. | 401 |
| 144. | Indofill Chemicals Ltd. (Division of Modipon Ltd.) | 220 |
| 145. | Indo-National Ltd. | 147 |
| 146. | Infotech Enterprises Ltd. | 114 |
| 147. | Innovassynth Technologies (I) Ltd. | 154 |
| 148. | Ion Exchange (India) Ltd. | 205 |
| 149. | Jay Hind Industries Ltd. | 171 |
| 150. | J. Mitra & Co. Ltd. | 109 |
| 151. | J.B. Chemicals & Pharmaceuticals Ltd. | 438 |
| 152. | J.K. Agri-Genetics Ltd. | 493 |
| 153. | Jain Irrigation Systems Ltd. | 149 |
| 154. | Jindal Steel Power Ltd. | 188 |
| 155. | Jindal Vijaynagar Steel Ltd. | 240 |
| 156. | Jyoti Ltd. | 312 |
| 157. | Jyoti Ceramic Industries Pvt. Ltd. | 139 |
| 158. | KCP Sugar Industries Corporation Ltd. | 421 |
| 159. | Kannametal Widia India Ltd. | 295 |



Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|--|--|
| 160. | Kasila Farms Ltd. | 110 |
| 161. | KEC International Ltd. | 159 |
| 162. | Kerala Minerals & Metals Ltd. | 110 |
| 163. | Kerala State Electricity Board | 142 |
| 164. | Kirloskar Brothers Ltd. | 171 |
| 165. | Kirloskar Copeland Ltd. | 262 |
| 166. | Kirloskar Electric Co. Ltd. | 125 |
| 167. | Kinetic Engineering Ltd. | 251 |
| 168. | Kochi Refineries Ltd. | 191 |
| 169. | Kopran Research Laboratories Ltd. | 307 |
| 170. | Krishidan Seeds Ltd. | 415 |
| 171. | Kumar Organic Products Ltd. | 155 |
| 172. | L&T Komatsu Ltd. | 138 |
| 173. | Lamco Industries Pvt. Ltd. | 160 |
| 174. | Lifecare Innovations (Pvt.) Ltd. | 109 |
| 175. | Link well Tele System (P) Ltd. | 183 |
| 176. | Lyka Labs Ltd. | 123 |
| 177. | MIC Electronics Ltd. | 237 |
| 178. | MRO-Tek Ltd. | 282 |
| 179. | Midas Communication Technologies Pvt. Ltd. | 427 |
| 180. | MTAR Technologies Pvt. Ltd. | 165 |
| 181. | Maruti Udyog Ltd. | 275 |
| 182. | Macleods Pharmaceuticals Ltd. | 292 |
| 183. | Madhu Silica Pvt. Ltd. | 177 |

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Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---|--|
| 184. | Mafatlal Industries Ltd. | 268 |
| 185. | Malladi Drug and Pharmaceuticals Ltd. | 274 |
| 186. | Manali Petrochemical Ltd. | 156 |
| 187. | Manugraph India Ltd. | 104 |
| 188. | Marico Industries Ltd. | 240 |
| 189. | Metal Power Company Ltd. | 110 |
| 190. | Mc-Dowell & Co. Ltd. | 355 |
| 191. | Midas Communication Technology Pvt. Ltd. | 159 |
| 192. | Minda Huf Ltd. | 227 |
| 193. | Mirc Electronics Ltd. | 236 |
| 194. | Mishra Dhatu Nigam Ltd. | 175 |
| 195. | Modipon Ltd. | 221 |
| 196. | Multi Arc India Ltd. | 239 |
| 197. | NRC Ltd. | 155 |
| 198. | Nagarjuna Fertilisers & Chemicals Ltd. | 176 |
| 199. | National Aluminium Company Ltd. | 435 |
| 200. | Namdhari Seeds Ltd. | 201 |
| 201. | National Organic Chemical Industries Ltd. | 206 |
| 202. | Natural Remedies Pvt. Ltd. | 351 |
| 203. | Newland Laboratories Ltd. | 439 |
| 204. | Nicco Corpn. Ltd. (Cable Divn.), Kolkata | 121 |
| 205. | Nirmal Seeds pvt. Ltd. | 114 |
| 206. | Nunhum Seeds Ltd. | 147 |
| 207. | Otis Elevator Co. (India) Ltd. | 123 |



Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|--|--|
| 208. | P I Industries Ltd. | 250 |
| 209. | Panasonic Batteries India Co. Ltd. | 195 |
| 210. | Parry Agro Industries Ltd. | 140 |
| 211. | Pest Control (I) Ltd. | 355 |
| 212. | Philips Carbon Black Ltd. | 129 |
| 213. | Pidilite Industries Ltd. | 396 |
| 214. | Premas Biotech Pvt.Ltd. | 462 |
| 215. | Premier Polytronics Pvt. Ltd. | 101 |
| 216. | Pratista Industries Ltd. | 379 |
| 217. | RPG Life Sciences Ltd. | 492 |
| 218. | Radiant Corporation Pvt. Ltd. | 295 |
| 219. | Rane Brake Linings Ltd. | 333 |
| 220. | Rane TRW Steering Systems Ltd., | 202 |
| 221. | Rasi Seeds Ltd. | 112 |
| 222. | Rajapalayam Mills Ltd. | 187 |
| 223. | Raptakos Brett Co. Ltd. | 196 |
| 224. | Rolta India Ltd. | 270 |
| 225. | Rashtriya Chemicals & Fertilizers Ltd. | 130 |
| 226. | Reliance Cellulose Products Ltd. | 146 |
| 227. | Reva Electric Car Co. Pvt. Ltd. | 355 |
| 228. | Rubamin Pharmaceuticals Ltd. | 125 |
| 229. | SRF Ltd. | 290 |
| 230. | Sai Life Sciences Ltd., | 176 |
| 231. | Sakthi Sugar Ltd. | 364 |

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Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---|--|
| 232. | Sakata Ink (I) Ltd. | 122 |
| 233. | Samcor Glass Ltd. | 244 |
| 234. | Samtel Colours Ltd. | 245 |
| 235. | Samtel Color Ltd. | 115 |
| 236. | Sandvik Asia Ltd. | 186 |
| 237. | Schenectady-Beck India Ltd. | 101 |
| 238. | Scooters India Ltd. | 112 |
| 239. | Sekhsaria Chemicals Ltd. | 347 |
| 240. | Seminis Vegetables Seeds India Ltd. | 294 |
| 241. | Shree Cement Ltd. | 193 |
| 242. | Shreeji Laser Technology Pvt. Ltd. | 127 |
| 243. | Shriram Pistons & Rings Ltd. | 338 |
| 244. | Simpson & Co. Ltd. | 355 |
| 245. | SLN Technologies Pvt. Ltd. | 125 |
| 246. | SOF Blue Pvt. Ltd. | 333 |
| 247. | Sona Koyo Steering Systems Ltd. | 262 |
| 248. | Southern Petrochemical Industries Corpn. Ltd. | 332 |
| 249. | Spaco Carburettors (India) Ltd. | 132 |
| 250. | Speck Systems Ltd. | 180 |
| 251. | Steel Strips Ltd. | 128 |
| 252.. | Sterlite Industries (India) Ltd. | 228 |
| 253. | Structwell Designers & Consultants Pvt. Ltd. | 113 |
| 254. | Sudarshan Biotech Ltd. | 160 |
| 255. | Sudarshan Chemicals Industries Ltd. | 404 |



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| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|---|--|
| 256. | Sundaram Fastner Ltd. | 356 |
| 257. | Swaraj Mazda Ltd. | 173 |
| 258. | TIL Ltd. | 114 |
| 259. | TVS Electronics Ltd. | 442 |
| 260. | TVS Srichakra Ltd. | 142 |
| 261. | Thirumalai Chemicals Ltd., | 348 |
| 262. | Tablets India Ltd. | 164 |
| 263. | Tamilnadu Petroproducts Ltd. | 280 |
| 264. | Tata International Ltd. | 102 |
| 265. | Tata Refractories Ltd. | 206 |
| 266. | Tata Tea Ltd. | 419 |
| 267. | Tally Solutions Pvt. Ltd. | 262 |
| 268. | Tecumesh Products India Ltd. | 184 |
| 269. | Telco Construction Equipment Company Ltd. | 343 |
| 270. | Tetra Pak India Pvt. Ltd. | 158 |
| 271. | Thermax Ltd. | 337 |
| 272. | Tonira Pharma Ltd. | 234 |
| 273. | Themis Laboratory Limited | 475 |
| 274. | The Apex Electricals Ltd. | 152 |
| 275. | The Dharamsi Morarji Chemical Co. Ltd., | 138 |
| 276. | The India Cement Ltd. | 128 |
| 277. | Thermax Ltd. | 338 |
| 278. | Tide Water Oil Co. (India) Ltd. | 130 |
| 279. | Transasia Biomedicals Ltd. | 426 |

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Annexure 4—Contd.

| Sl. No. | Name of the Firm | R&D Expenditure Reported (Rs. in lakhs) * |
|---------|--|--|
| 280. | Travancore Titanium Products Ltd. | 125 |
| 281. | Triveni Engineering & Industries Ltd. | 169 |
| 282. | Tube Products of India (Unit of Tube Investment of India Ltd.) | 196 |
| 283. | Turbo Engineering Ltd. | 228 |
| 284. | Tulsi Seeds Pvt. Ltd. | 120 |
| 285. | United Telecoms Ltd. | 311 |
| 286. | VIP Industries Ltd. | 425 |
| 287. | Venkateshwara Hatcheries Ltd. | 460 |
| 288. | Vishnu Chemicals Ltd. | 269 |
| 289. | Voltas Ltd. | 135 |
| 290. | Walchandnagar Industries Ltd. | 103 |
| 291. | Whirlpool of India Ltd | 120 |
| 292. | Wheels India Ltd. | 495 |
| 293. | Yuken India Ltd. | 178 |
| 294. | Zandu Pharmaceuticals Works Ltd. | 139 |
| 295. | Zen Technologies Ltd. | 228 |
| 296. | Zenotech Laboratories Ltd. | 249 |

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