

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:1916
ANSWERED ON:05.08.2005
R & D FACILITIES FOR PHARMACEUTICAL INDUSTRY
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether the Government is considering to promote Research and Development (R&D) facilities for Pharmaceutical Industry in various States, particularly in Gujarat meant for small entrepreneurs;
- (b) if so, the details thereof and the amount provided for the purpose during the last three years and the current financial year ; and
- (c) the details of amount being spent on R&D by various pharma companies in the country during the said period ?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL)

(a) & (b) Department of Science and Technology under Ministry of Science and Technology is operating a programme called Pharmaceuticals Research and Development Support Fund (PRDSF) which has supported the following 10 state-of-the-art research facilities for drug research and development in different parts of the country since 1994-95 to 2004-05

| S.No. | Name of the State Institute | National Facility |
|-------|---|--|
| 1. | Uttar Pradesh Central Drug Research Institute (CDRI), Lucknow | Regulatory pharmacology and toxicology |
| 2. | -do- -do- | Pharmacokinetic and metabolic studies |
| 3. | -do- -do- | Strengthening of Pharmacological testing facilities |
| 4. | -do- -do- | Combinatorial chemistry-cum-medium throughput screening |
| 5. | Punjab National Institute for Pharmaceutical Education and Research (NIPER), Mohali | Bioavailability |
| 6. | -do- -do- | Pharmacoinformatics |
| 7. | West Bengal Indian Institute of Chemical Biology (IICB), Kolkata | Identification of immunomodulating potential of products and extracts of natural origin |
| 8. | Karnataka Indian Institute of Science (IISc), Bangalore | Characterisation of crystals of biological macromolecules of medicinal and industrial importance |
| 9. | Andhra Pradesh Centre for Cellular and Molecular Biology (CCMB), Hyderabad | Transgenic and gene knockout mice |

10. Delhi Institute of Genomics and Integrative Genomics research for drug discovery
Biology (IGIB), Delhi

These facilities are utilized for R&D by institutions and pharmaceutical industries including small entrepreneurs. The amount provided by PRDSF programme to various institutions for establishing state-of-the-art research facilities during the last three years viz. 2002-03, 2003-04, 2004-05 is Rs. 498 lakhs, Rs. 600 lakhs and 387 lakhs respectively. During the current financial year, no funds have been released for such research facilities.

(c) The details of amount being spent on R&D by various pharma companies are given in the Annexure.

Annexure

The details of amount being spent on R&D by leading Pharma companies in the country during 2001-02 to 2003-04 are given below :

(Rs. in crores)

| S.No. | Name | 2001-02 | 2002-03 | 2003-04 |
|-------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | R&D % of Exp. annual turnover | R&D % of Exp. annual turnover | R&D % of Exp. annual turnover |
| 1. | Ranbaxy Laboratories Ltd. | 77 3.6 | 192 6.3 | 276 6.1 |
| 2. | Dr. Reddy's Lab. Ltd. | 111 7.1 | 163 10.2 | 226 13.0 |
| 3. | Sun Pharmaceuticals | 34 4.4 | 66 6.7 | 108 10.2 |
| 4. | Cadila Healthcare Ltd. | 42 7.1 | 38 4.0 | 88 7.6 |
| 5. | Wockhardt Ltd. | 30 4.4 | 34 4.7 | 60 6.2 |
| 6. | Cipla Ltd., | 22 3.5 | 52 3.3 | 57 2.9 |
| 7. | Nicolas Piramal | 10 1.2 | 12 1.2 | 56 4.4 |
| 8. | Lupin Ltd. | 54 5.6 | 36 3.2 | 46 3.7 |
| 9. | Aurobindo Pharma Ltd., | 13 1.3 | 22 1.9 | 46 3.5 |
| 10. | Torrent Pharmaceuticals Ltd. | 22 5.1 | 31 7.0 | 40 8.9 |
| 11. | Glenmark Pharmaceuticals | 12 4.7 | 31 9.2 | 37 9.8 |
| 12. | Biocon India Ltd. | 7 4.4 | 11 4.3 | 23 4.4 |
| 13. | USV Ltd., | 12 3.3 | 15 3.7 | 21 0.4 |
| 14. | Alembic Limited. | 14 2.3 | 20 3.5 | 20 3.2 |
| 15. | IPCA Labs Ltd. | 8 1.8 | 13 2.7 | 17 2.6 |
| 16. | Sushan | 9 2.3 | 9 2.2 | 11 4.0 |
| 17. | Cadila Pharma | 9 2.3 | 9 2.2 | 10 2.4 |
| 18. | Unichem Ltd. | 10 3.3 | 9 2.7 | 8 2.2 |
| | Total | 496 4.0 | 761 4.8 | 1150 4.7 |