

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

STARRED QUESTION NO:698  
ANSWERED ON:14.05.2002  
INVESTMENT IN BIO TECHNOLOGY SECTOR  
PUTTASWAMY GOWDA

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) the total investment made in the bio-technology sector including foreign direct investment during the last three years, State-wise and year-wise;
- (b) whether the share of revenue of Karnataka in the bio-technology sector is almost double as compared to other States;
- (c) if so, the details thereof, State-wise;
- (d) whether the Government propose to increase the investment in bio-technology sector in order to compete with other advanced countries;
- (e) if so, the details thereof; and
- (f) if not, the reasons therefor?

**Answer**

MINISTER OF SCIENCE AND TECHNOLOGY (PROF. MURLI MANOHAR JOSHI)

(a) to (f) : A statement is laid on the Table of the House.

THE STATEMENT REFERRED TO IN THE REPLY TO THE LOK SABHA STARRED QUESTION NO. 698 BY SHRI G. F. SWAMY GOWDA REGARDING INVESTMENT IN BIOTECHNOLOGY SECTOR TO BE ANSWERED ON 14/05/2002

(a), (b) & (c): The Department of Biotechnology is the nodal agency for promotion and support of most of the biotechnology activities in the country. Besides, Department of Science & Technology, Indian Council for Agricultural Research, Council for Scientific and Industrial Research and Indian Council for Medical Research also supplement the efforts. An investment in the form of grant-in-aid for research, product and process development amounting to a total of Rs.432.25 crores has been made between 1999-2002 in research institutions, universities and national laboratories in different states. This is continuing effort. For the 10th Plan specific proposals have been formulated for promotion and application of biotechnology in different states.

The approved Foreign Direct Investment (FDI) in Biotechnology sector during 1999-2002 amounts to a total of Rs.147.75 crores. In the approved FDI for the said period Uttar Pradesh ranks first (Rs.64.50 crores) followed by Delhi (Rs.21.90 crores), Karnataka (Rs.14.12 crores), Maharashtra (Rs.12.97 crores), Punjab (Rs.6.54 crores) and Uttaranchal (Rs.0.47 crores) About Rs.27.25 crores out of the total of Rs.147.75 crores has been approved for unspecified States.

(d), (e) & (f): Concerted measures have been taken to increase the investment in the biotechnology both from public and private sectors. Some of these are: establishment of biotechnology parks, incubators and new institutional structures by the State Governments, interactive meetings with industries, financial institutions etc.