

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

UNSTARRED QUESTION NO:339

ANSWERED ON:16.07.2002

FUNDING FOR RESEARCH IN CENTRE FOR BIOCHEMICAL TECHNOLOGY CSIR

RAMDAS ATHAWALE

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

(a) total budget of Centre for Biochemical Technology (CSIR) for last three years, year-wise ;

(b) total number of scientists working in the institute who have received experience from foreign countries and their research projects with titles, area-wise as on October 2001;

(c) whether the above projects were formulated as per World Trade Organisation conditions for patent after 2005; and

(d) the total number of research publications of scientists Group IV (3) including Director in scientific journals viz. Nature , Science , Cell and PNAs for last three years, category-wise, journal-wise ?

Answer

MINISTER OF HUMAN RESOURCE DEVELOPMENT, MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF DEVELOPMENT (DR. MURLI MANOHAR JOSHI)

(a) : The CSIR grant to Centre for Biochemical Technology, a constituent unit of CSIR for the last three years is as follows :-

Year Budget Rs. in lakh

1999-2000 650

2000-2001 862

2001-2002 976

(b) : Thirteen (13) scientists working in the CBT have received experience from foreign countries. The details of their (CBT's) research projects with title, area-wise as on October, 2001 is at Annexure.

(c) : World Trade Organisation formulations are not relevant in above case.

(d) : In the specified journals i.e. PNAs, one paper was published in 1999 by a Scientist of CBT.

ANNEXURE

RD 1 Molecular Biochemistry of Allergy & Infectious Diseases

RDP No. Title of the project

RDP 1.1 To understand the mechanism of anthrax toxin

RDP 1.2 Molecular Biology/Biochemistry/Diagnostics of Respiratory Diseases :
Aspergillosis

RDP 1.3 Molecular Mechanism of Host-Pathogen Interaction :Role of lung surfactant
Proteins in Genetic predisposition

RDP 1.4 Molecular Analysis of allergens

RDP 1.5 Allergen Forecast for patients and physicians of allergy in India

RD 2 Genomics and Molecular Medicine

RDP 2.1 Structure-function relationship of the protein for better understanding of drug designing i.e. anti-thrombotic drug candidates

RD 3 Nucleic Acids and Peptides

RDP 3.1 Designing and synthesis of peptides with neurological function and dysfunction

RDP 3.2 Design and synthesis of modified oligonucleotides for biological and abiological applications

RD 4 Genome Informatics

RDP 4.1 Theoretical Studies of genetics metiabolic networks in complex disorder Schizophrenia & biopolar disorder

RD 5 Comparative Genomics and Gene Expression

RDP 5.1 Characterization of genes through DNA sequencing and/ or protein expression

RD 6 Bioactive Molecules and Technology Development

RDP 6.1 Development of Immuno sensors

RDP 6.2 Evaluation of Marine Bio- resources as novel source for Biomolecules of industrial and medicinal importance