

Department of Biotechnology

Information Handbook

under

Right to Information Act, 2005

1. Particulars of DBT, Functions and Duties

Objective/purpose of the Department.

The setting up of a separate Department of Biotechnology (DBT), under the Ministry of Science and Technology in 1986 gave a new impetus to the development of the field of modern biology and biotechnology in India. In more than a decade of its existence, the department has promoted and accelerated the pace of development of biotechnology in the country. Through several R&D projects, demonstrations and creation of infrastructural facilities a clear visible impact of this field has been seen. The department has made significant achievements in the growth and application of biotechnology in the broad areas of agriculture, health care, animal sciences, environment, and industry.

The impact of the biotechnology related developments in agriculture, health care, environment and industry, has already been visible and the efforts are now culminating into products and processes. More than 5000 research publications, 4000 post-doctoral students, several technologies transferred to industries and patents filed including US patents, can be considered a modest beginning. Department of Biotechnology (DBT) has been interacting with more than 5,000 scientists per year in order to utilise the existing expertise of the universities and other national laboratories. A very strong peer reviewing and monitoring mechanism has been developed. There has been close interaction with the State Governments particularly through State S & T Councils for developing biotechnology application projects, demonstration of proven technologies, and training of human resource in States and Union Territories. Programmes with the states of Gujarat, Rajasthan, Madhya Pradesh, Orissa, West Bengal, Haryana, Punjab, Jammu & Kashmir, Mizoram, Andhra Pradesh and Uttar Pradesh have been evolved. Biotechnology Application Centres in Madhya Pradesh and West Bengal have already been started.

A unique feature of the department has been the deep involvement of the scientific community of the country through a number of technical task forces, advisory committees and individual experts in identification, formulation, implementation and monitoring of various programmes and activities.

In India, more than a decade of concerted effort in research and development in identified areas of modern biology and biotechnology have given rich dividends. The proven technologies at the laboratory level have been scaled up and demonstrated in field. Patenting of innovations, technology transfer to industries and close interaction with them have given a new direction to biotechnology research. Initiatives have been taken to promote transgenic research in plants with emphasis on pest and disease resistance, nutritional quality, silk-worm genome analysis, molecular biology of human genetic disorders, brain research, plant genome research, development, validation and commercialisation of diagnostic kits and vaccines for communicable diseases, food biotechnology, biodiversity conservation and bioprospecting, setting up of micropropagation parks and biotechnology based development for SC/ST, rural areas, women and for different States.

Necessary guidelines for transgenic plants, recombinant vaccines and drugs have also been evolved. A strong base of indigenous capabilities has been created. The field of biotechnology both for new innovations and applications would form a major research and commercial endeavor for socio-economic development.

Mission/Vision statement of the Department:

Vision

Department's vision is to attain new heights in Biotechnology research, shaping Biotechnology into a premier precision tool of the future for creation of wealth and ensuring social justice specially for the welfare of poor. Products and processes resulting from increasing knowledge generated through Life Science Research and application of techniques of Biotechnology will profoundly influence the existing paradigm of healthcare, agriculture, conservation and utilization of bioresources, production and manufacturing processes and reservation of environment.

Mission

Biotechnology is a frontline area of science with immense potential for the benefit of the human kind. The Department shall devote wholly to achieve excellence in the promotion of biotechnology in the country within the ambit of the Allocation of Business Rules, 1961 as enumerated through the Government of India notifications No. CD-172/86 dated 27.2.86 and No. CD-87/87 dated 31.1.87. The Department shall provide services in the areas of research, infrastructure, generation of human resource, popularization of biotechnology, promotion of industries, creation of centers of excellence, implementation of biosafety guidelines for genetically modified organisms and recombinant DNA products and biotechnology based programs for societal benefits. Bioinformatics is a major mission to establish an information network for the scientific community, nationally and internationally.

Our mission is:

Realising full potential of biotechnology

A well directed effort, significant investment for generation of products, processes and technologies

Enhance efficiency and productivity and cost effectiveness of agriculture, nutritional security, molecular medicine, environmentally sustainable technologies, scientific and technological empowerment of human resource, strong infrastructure for research and commercialization, enhance

the knowledge base, nurturing the leads of potential utility, bringing the bioproducts to the market place

Socio-economic development / applicants of biotech for upliftment of women, rural, SC & ST population.

Promote biotech industry

Brief history of the Department and context of its formation.

Department of Biotechnology was established in 1986 on the recommendation of Scientific Advisory Committee to the Prime Minister.

Duties of the Department.

1. To evolve policies and integrated programmes in biotechnology and ensure their implementation and monitoring.
2. To identify specific programmes of Research and Development and manufacturing in biologicals and biotechnology and oversee the initiation and pursuit of related research and manufacturing activities.
3. To identify, set up and support Centres of Excellence for Research and Development in biotechnology and ensure proper dovetailing of their activities as per national priorities and objectives.
4. To act as a screening, advising and approving agent of the Government with regard to import and transfer of new technologies for the manufacture of biologicals, biotechnological products and their intermediates.
5. Evolve safety guidelines for biotechnology Research and Development and manufacturing in India.
6. To act as the central agency for the import of genetically manipulated materials, culture, cells, specimens, tissues and biotech products including DNA and RNA of any type or size and for promoting their production in the country.
7. Serve as the interministerial and interagency nodal point for all specific international bilateral and multilateral Research and Development collaborations and agreements in the area of biotechnology; act as the nodal point for all technology transfers in the area of biotechnology.
8. Manufacture and ensure application of recombinant, cell-based and DNA vaccines, diagnostics and other biotechnological products.
9. To evolve programmes for Human Resource Development in the area of biotechnology.
10. Serve as an administrative and implementing Department of agencies, commissions, boards, etc. specifically formed by the Government for fulfilling the national objectives in biotechnology and also to serve as the nodal point for Bio-informatics including training and creation of infrastructure, collection, dissemination and exchange of information relating to biotechnology.
11. Matters relating to:
 - (a) International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi;
 - (b) National Institute of Immunology (NII), New Delhi;
 - (c) National Centre for Cell Sciences (NCCS), Pune;
 - (d) Centre for DNA Fingerprinting & Diagnostics (CDFD), Hyderabad;

- (e) National Centre for Plant Genome Research (NCPGR), New Delhi;
 - (f) National Brain Research Centre (NBRC), Gurgaon;
 - (g) Institute for Bioresource and Sustainable Development (IBSD), Imphal.
12. Matters relating to:
- (a) Bharat Immunologicals and Biologicals Corporation Limited (BIBCOL), Bulandshahar, Uttar Pradesh;
 - (b) Indian Vaccines Corporation Limited (IVCOL), Manesar, Gurgaon.

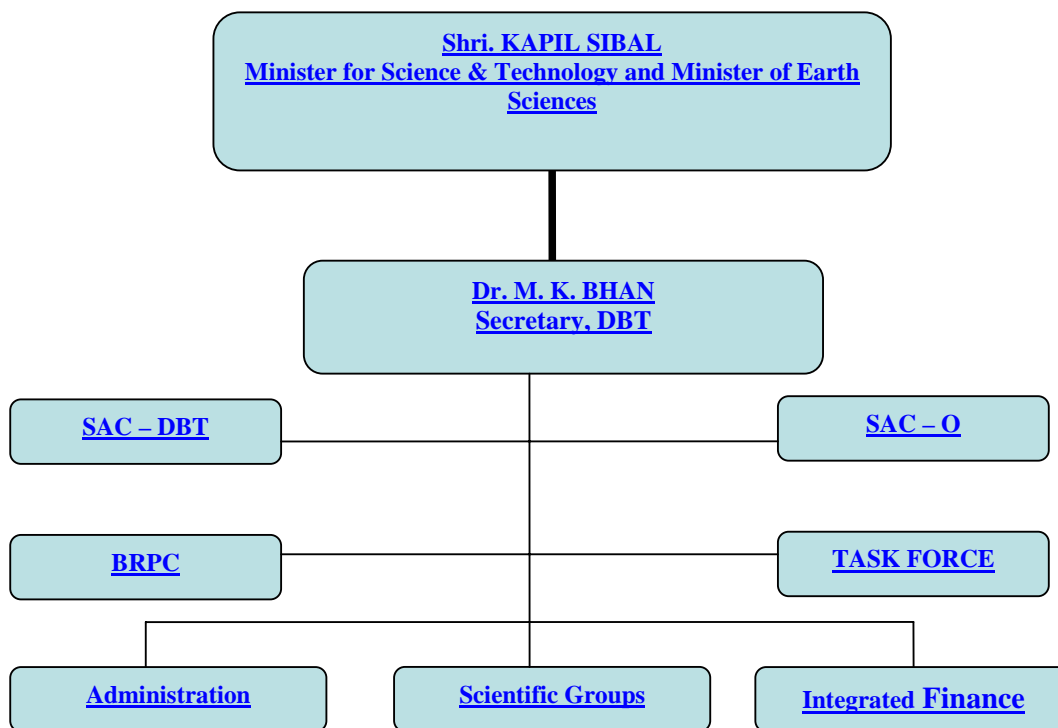
Main activities/functions of the Department.

To provide Grants-in –aid to Universities/NGOs/private individuals, etc. for R&D Projects
 Human Resource Development in Biotechnology
 Formulation of basic structure in the field of biotechnology in the country;
 further...Same as objectives and Purpose above

List of services being provided by the Department with a brief write-up on them.

Same as objectives and Purpose above

2. Organizational Structure Diagram of the Department at various levels.



Expectation of the Department from the public for enhancing its effectiveness and efficiency :

The Dept. of Biotechnology welcomes viable suggestions and comments which can be incorporated into its programmes and formulation of its policies.

Arrangements and methods made for seeking public participation/ contribution.

The Department advertises its schemes and agenda through the newspapers and website inviting comments from the public. An illustrative case is that of the draft biotech strategy for the country which was put up and advertised by the above means. Further, the Task Force and peers advise and direct the direction of biotechnology in the country. The Task Force members are eminent scientists and experts working in the relevant areas. The matters discussed are highly technical in nature, involving issues of intellectual property and confidentiality; however, feasible suggestions are incorporated in the proposals finalized.

Mechanism available for monitoring the service delivery and public grievance resolution.

A Grievance machinery has been set up to redress the grievances both from the Public as well as the staff. A Grievance Cell is functioning in the department. Time limits for redressal of staff/public grievances have also been adopted and are being observed scrupulously. Reports are regularly sent on NIC Network as well as under the 20 Point Programme to the nodal Departments viz. Department of Administrative Reforms and Public Grievances, New Delhi.

Address: **Shri N. S. Samant, Joint Secretary(Admn. & PG),
Room No. 711, Block No. 2,
CGO Complex, New Delhi-110 003.
Tel. 2436 2982(O)**

Addresses of the main office and other offices at different levels.

A. Department of Biotechnology: 6th-8th Floor, Block No. 2, CGO Complex, Lodi Road, New Delhi-110 003.

B. Autonomous Bodies:

- (1) National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110 067.
- (2) National Center for Cell Science, NCCS Complex, Ganeshkhind, Pune-411 007.
- (3) Center for DNA Fingerprinting & Diagnostics, 4-87/1, ECIL Road, Nacharam, Hyderabad-110 0067.
- (4) National Brain Research Center, Manesar, Nainwal More, Manesar, Gurgaon-203203.
- (5) National Center for Plant Genome Research, JNU Campus, New Delhi-110 067.
- (6) Institute of Life Sciences, Nalco Square, Bhubaneswar-751 023.
- (7) Institute of Bioresources and Sustainable Development, Takyelpat Instituion Area, Imphal-795 001

C. Public Sector Undertakings:

Bharat Immunologicals & Biologicals Corporation Limited, Bulandshahr.

Indian Vaccines Corporation Limited, B-6/66, Lower Ground Floor, Safdarjung Enclave, New Delhi

Morning hours of the office : **9.00 AM**
 Closing hours of the office : **5.30 PM**

3. Powers and Duties of Officers and Employees

Designation	Secretary
Powers	Administrative Head of the Department and Principal Adviser of the Minister on all matters of Policy and Administration.
Duties	<ol style="list-style-type: none"> 1. To advice Hon'ble Minister on all matters of policy and administration. 2. To look after the work of Department. 3. To promote Biotechnology in the country 4. To implement the mandate given in allocation of Business Rules 1961

Designation	Joint Secretary
Powers	Responsible for all functions of Administration, Executing all powers of the Head of the Department, Human Resource Development Division, Bio-informatics Division, International Collaboration-II Division.
Duties	<ol style="list-style-type: none"> 1. To look after day to day functions of the Department 2. To advice Hon'ble Minister and Secretary on the matters relating to administration and policy matters as desired by them 3. To look after the work of International Collaboration to Division

Designation	Scientists-'F', 'G' & 'H'	
Powers	Financial	Release of instalments for projects.
Duties	<ol style="list-style-type: none"> 1. To assist the Secretary in policy formulation, programme development and implementation and monitoring of various projects. 2. To look after the policy matters of the work allotted to various scientist as desired by Secretary. 3. To represent the Department on various committees as may be nominated by the Competent Authority. 4. To execute the policies of the Department through programme development. 5. To monitor various projects. 6. To assist Secretary on various Scientific & Research and Development matters. 7. To represent the Department on various committees as may be nominated by Competent Authority 	

Designation	Scientists (other than above)	
Powers	Financial	Release of instalments for projects.
Duties	<ol style="list-style-type: none"> 1. To execute the policies of the Department through programme development. 2. To monitor various projects. 3. To advice Secretary on various Scientific & Research and Development matters. 4. To represent the Department on various committees as may be nominated by Competent Authority. 	

Designation	Director/Deputy Secretary	
Powers	Administrative	Appointment to Gr. 'B' Posts.
Duties	<ol style="list-style-type: none"> 1. Dispose assigned Govt. business. 2. To examine the cases from finance angle. 3. To deal with day to day administration work 4. To deal with the matter related to PSU/Autonomous bodies. 	

Designation	Under Secretaries	
Powers	Administrative	Appointment to Gr. 'D' posts.
	Financial	Contingent expenditure upto Rs. 2000/- per case (for Head of the Office)
Duties	<ol style="list-style-type: none"> 1. To take work from a Section. 2. To do the job independently as assigned by Competent Authority. 	

Designation	Section Officers	
Duties	<ol style="list-style-type: none"> 1. To supervise the work of staff. 2. To distribute work among staff. 3. To train, help and advise the staff. 4. To maintain order and discipline in Section. 5. To do independent job as assigned by the Competent Authority. 	

Designation	Junior Analysts/Technical Assistants/Junior Technical Assistants	
Duties	<ol style="list-style-type: none"> 1. To make preliminary analysis and scrutiny of the proposal/ programmes/projects as per approved guidelines. 2. To suggest for collecting additional or supplementary information for final approval. 3. To obtain information regarding the progress of implementation of programmes/projects etc. 4. To collect, collate, tabulate and interpret data wherever consider necessary. 5. To assist scientists. 	

Designation	Assistant/UDC/LDC	
Duties	<ol style="list-style-type: none"> 1. To submit assigned cases after proper analysis. 	

Designation	Principal Private Secretary
Duties	<ol style="list-style-type: none"> 1. To assist Secretary in day to day matters. 2. To supervise the staff attached with Secretary. 3. To fix and maintain appointments with the Secretary.

Designation	Private Secretary/Personal Assistant/Steno.
Duties	<ol style="list-style-type: none"> 1. To assist officers by taking dictation in shorthand and its transcription. 2. To mail correspondents. 3. To file papers. 4. To make appointments. 5. To arrange meetings. 6. To collect information. 7. To do all official jobs as assigned by officers

Designation	Data Entry Operators
Duties	<ol style="list-style-type: none"> 1. Processing all types of jobs with the help of computer. 2. Liaising with NIC Cell. 3. Programming relating to data preparation and/or validation. 4. Billing, counting, collating, coding, console operation. 5. Assisting in the preparation of statistics. 6. Billing 7. Input/output handling on any type of machine/equipment/instrument endowed with the facilities for data entry or preparation for data entry. 8. Validation of entered data. 9. Alphanumeric data entry, graphic data entry/voice entry and associated validation. 10. Pre-programmed validation, text processing etc. on any type of machine/equipment/instrument endowed with facilities for data entry and/or preparation for data entry.

4. Rules, Regulations, Instructions, Manual and Records, for discharging Functions

1. The r-DNA Safety Guidelines - 1990 are instructions prepared under Environment Protection Act, 1986 and the Rules 1989 for the Import/Export, Manufacture, storage of hazardous microorganisms /genetically modified organisms to provide instructions under the Rules and Regulations of EPA for r-DNA research. A copy can be obtained free of charge from Smt. Rajlakshmi Murlidharan, Scientist 'D' in the Department (Tele No. 24363029, Fax No. 24362884, Email : m.rajalakshmi@nic.in).

2. CDFD: Memorandum of Association & Rules and Regulations.

3. NCPGR: Memorandum of Association & Rules

4. BIBCOL: Recruitment and Promotion Rules, 1997.
5. All financial and vigilance cases are dealt with as per instructions/rules in the following documents:
 Vigilance Manual (Part-I & Part-II)-issued by Central Vigilance Commission.
 General Financial Rules, 2005
 CCS(Conduct) Rules, 1964
 CCS(CCA) Rules, 1965

5. Particulars of any arrangement that exists for consultation with, or representation by, the members of the public in relation to the formulation of its policy or implementation thereof

The Department advertises its schemes and agenda through the newspapers and website inviting comments from the public. An illustrative case is that of the draft biotech strategy which was put up and advertised by the above means. Further, the Task Force and peers advise and direct the direction of biotechnology in the country. The Task Force members are eminent scientists and experts working in the relevant areas. The matters discussed are highly technical in nature however feasible suggestions are incorporated in the proposals finalized.

6. A statement of the categories of documents that are held by it or under its control

Sr. No.	Category of the document	Name of the document and its introduction in one line	Procedure to obtain the document	Held by/under control of
1.	Guidelines	Biosafety Guidelines 1990	Available on Department's website	Dr. K.K. Tripathi, Sc. 'G'
2.	Guidelines	Guidelines for Research in Transgenic Plants & Guidelines for Toxicity and Allergenicity Evaluation of Transgenic Seeds, Plants and Plant parts.	Available on Department's website	Dr K.K. Tripathi, Sc. 'G'
3.	Guidelines	Handbook for IBSC members	Available on Department's website	Dr. K.K. Tripathi, Sc. 'G'
4.	Rules	(a) Recruitment & Promotion rules 1997 (b) The Department of Biotechnology, Group 'A', Gazetted Posts (Non-Ministerial and Scientific)	On request Available on Department's website.	Shri Virendra Kapoor, Deputy Secretary Shri S. C. Agrawal, Under Secretary(Estt.)

		Recruitment Rules, 2001.		
5.	Unclassified	Annual Report 2004-2005 NEW!	Hard copy as well as soft copy	Hard copy :Room No. 701, DBT hqurs.
6.	-do-	Annual Report 2003-2004	Only soft copy	From DBT website
7.	-do-	Annual Report 2002-2003	-do-	-do-
8.	-do-	Annual Report 2001-2002	-do-	-do-
9.	-do-	DBT Newsletter	Hard/soft copies.	-do- Hard copy: Dr. SR Rao, Sc. 'G' DBT.
10.	-do-	Applications & Proformae	-do-	-do-Room No.704, DBT.
11.	-do-	Biotechnology - A Vision	-do-	-do-Hard copy: Room No. 710, DBT.
12.	-do-	Biotechnology - In Pursuit of Excellence and Relevance for Human Kind	-do-	-do-
13.		Bioinformatics Policy of India NEW!		

7. A Statement of boards, councils, committees and other bodies constituted as its part

1. National Bioresource Development Board

Name and Address of the Affiliated Body:

National Bioresource Development Board

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Board

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

Establishment Year: December 1999

Objectives:

- To decide the broad policy framework for effective application of biotechnological and related scientific approaches for research & development and sustainable utilization of bioresources especially for the development of new products and processes.
- To develop a scientific plan of action for contributing to the economic prosperity of the nation through accelerated research & development using the modern tools of biosciences. The scientific programmes to be undertaken under the guidance of the Board would be inter-disciplinary, inter-institutional, and time bound with clear-cut milestones. Some illustrative areas include:
- To evolve effective *ex-situ* conservation strategies for bioresources of potential scientific and economic value,
- To develop predictive groupings of biological resources through well-established molecular lineages,
- To construct gene maps of bioresources that can be used for locating useful genes,
- To promote the use of biological software in the management of agricultural pests and pathogens,
- To promote value addition to bioresources,
- To train human resource for the achievement of above objectives,
- To strengthen bioinformatics vis-à-vis bioresources

Role of the Affiliated Body (Advisory / Managing / Executive / Others) :

Advisory

• **Structure and Member Composition:**

- | | | |
|------|--|-------------------|
| (1) | Minister of Science & Technology | Chairperson |
| (2) | Minister of State (S & T) | Ex-officio Member |
| (3) | Member (Science) Planning Commission | „ |
| (4) | Secretary, DBT | „ |
| (5) | Secretary, DST | „ |
| (6) | Secretary, Department of Space | „ |
| (7) | Secretary, DOD | „ |
| (8) | Secretary, DA&C | „ |
| (9) | Secretary, DARE & Director General, ICAR | „ |
| (10) | Secretary, DSIR & Director General, CSIR | „ |
| (11) | Secretary, DISM&H | „ |

- | | | |
|------|---|---------------------------|
| (12) | Secretary, Ministry of Environment & Forests | „ |
| (13) | Secretary, Department of Expenditure | „ |
| (14) | Dr. M. S. Swaminathan, Chairman
MS Swaminathan Research Foundation,
Chennai | Expert Member |
| (15) | Dr. Amit Ghosh, Director,
IMTECH, Chandigarh | „ |
| (16) | Prof. A. K. Sharma, University of Kolkata,
Kolkata | „ |
| (17) | Prof. Raghavendra Gadagkar
Indian Institute of Science, Bangalore | „ |
| (18) | Shri Brihaspati Dev Triguna,
Nizamuddin, New Delhi | „ |
| (19) | DG, ICFRE, Dehra Dun | Permanent Special Invitee |
| (20) | Adviser, DBT | Member Secretary |

Head of the Body :

Minister of Science and Technology, Government of India

• **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

• **Frequency of Meetings :**

Once a year

Can public participate in the meetings ?

No

Are minutes of the meetings prepared ?

Yes

2. Biotechnology Research and Promotion Committee (BRPC)

• **Name and address of the Affiliated Body**

Biotechnology Research and Promotion Committee (BRPC)

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New
Delhi – 110 003

• **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

Brief Introduction of the Affiliated Body (Establishment year, objective / main activities)

- a) Identification of thrust areas, implementation mechanism and procedures for expeditious implementation of the programmes.

- b) To consider and recommend projects in the identified areas costing above Rs.1 crore.
- c) To consider technology transfer, commercialisation and related issues.
- d) To consider and advise on patenting and IPR related issues.
- e) To consider programme support for specialised institutions/universities.
- f) To institute effective monitoring and reviewing mechanisms consisting of
 - Presentation by the scientists to this Committee.
 - Consideration of progress reports and reports of Expert Committee.
 - Field and Site visits.
- g) To consider any other matter related to the funding of major projects by the Department.

• **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

Advisory

Structure and Member Composition

S.No	Members Name & Address
1.	Prof. P. Balaram Director Indian Instt. of Science Bangalore – 560 012.
2.	Dr. Samir Bhattacharya Former Professor, Department of Zoology, Visva Bharati University, Shantiniketan-731235 West Bengal
3.	Dr. D. Balasubramanian Director of Research L.V. Prasad Eye Institute L V Prasad Marg, Banjara Hills Hyderabad-500 034.
4.	Prof. S. Choudhury Former Prof. & Head Dept. of Pathology Faculty of Agriculture, Bidhan Chandra Krishi Vishwavidyalaya, Kalyani, Nadiya-741 235.
5.	Prof. K. Dharmalingam Head & Sr. Prof. Dept. of Genetic Engineering School of Biotechnology Madurai Kamaraj University Madurai – 625 021.

6. Prof. Raghavendra Gadagkar
Centre for Ecological Sciences
Indian Instt.of Science
Bangalore – 560 012.
7. Prof. S. S. Handa
Bungalow No. 522 - A
Block C, Sushant Lok
Phase-I, Gurgaon.(Haryana)
8. Dr. V. P. Kamboj
Emeritus Scientist
Div. of Endocrinology
CDRI, Chattar Manzil
P.B.No.173, Lucknow – 226 001.
9. Prof. A. S. Kolaskar
Vice-Chancellor
Pune University
Pune
10. Dr. M. Mahadevappa
Ex-Chairman, ASRB
1576, 1st Cross Chandra Lay out
Bangalore – 560 040
11. Prof. M. L. Madan
Madan Lodge
842, Sector-6, Urban Estate
Karnal-132 001.
12. Prof. H. Y. Mohan Ram
194, SFS DDA Flats
Mukherjee Nagar
New Delhi – 110 009.
13. Dr. S. Nagarajan
Director
IARI, PUSA
New Delhi-12.
14. Dr. V. Prakash
Director
Central Food Technological Research Instt.
Mysore-570 013.
15. Dr. S. N. Puri
Vice Chancellor
Central Agricultural University,
Imphal, Manipur- 795004

16. Dr. M.R.S. Rao
President
Jawaharal Nehru Centre for Advanced Scientific Research,
Jakkur Campus, Jakkur P.O.
Bangalore – 560 064.
17. Prof. A. K. Sharma
Deptt. of Botany
Calcutta University
35, Ballygunge Circular Road
Calcutta – 700019.
18. Prof. Mahtab S. Bamji
Emeritus Scientist
Dangoria Charitable Trust
211, Sri Datta Sai Apts
RTC Crosss Road, Hyderabad
19. Prof. P. N. Tandon
1, Jagriti Enclave, Vikas Marg
Delhi-110092.
20. Prof. Akhilesh Tyagi
Professor & Coordinator
Deptt. of Plant Molecular Biology
University of Delhi
South Campus, Benito Juarez Road
New Delhi – 110 021.
21. Dr. S. K. Basu
Director
National Instt. of Immunology
Aruna Asaf Ali Road
New Delhi – 110 067.
22. Prof. H. Sharat Chandra
Deptt. of Microbiology & Cell Biology
Indian Instt. of Science
Bangalore – 560 012.
23. Dr. V.S. Chauhan
Director
ICGEB, P.B. No. 10504
Aruna Asaf Ali Marg
New Delhi - 110 067.
24. Dr. Asis Datta
Director
NCPGR, JNU Campus
P.B. No. 10531
New Delhi – 110 067.
25. Prof. N. K. Ganguly
Director General
Indian Council of Medical Research

- Ansari Nagar, Post Box No. 4911
New Delhi – 110 029.
26. Dr. C. M. Gupta
Director
CDRI, Chattar Manzil
P.B.No.173, Lucknow – 226 001.
27. Dr. G. C. Mishra
National Cell Science Centre
Ganeshkhind
Pune-411 007
28. Dr. R. P. Sharma
Ex-Director,
NRC on Plant Biotechnology
Pusa Campus, IARI
New Delhi – 110 012.
29. Dr. Satish Totey
Research Director
Stem Cell Research
Manipal Hospital and Research Centre
14, Airport Road, Rustom Bagh
Bangalore – 560 017 Karnataka
30. Prof. Kasturi Datta
School of Environmental Sciences
Jawaharlal Nehru University
New Mehrauli Road
New Delhi-110 067.
31. Joint Secretary & Financial Adviser
Dept. of Biotechnology (Ex-officio)
32. Advisers
Dept. of Biotechnology (Ex-officio)

Member Secretary

33. Dr. Renu Swarup
Advisor, Dept. of Biotechnology
34. Dr. Meenakshi Munshi
PSO, Dept. of Biotechnology

Head of the Body

Prof. G. Padmanaban - Chairman
Emeritus Scientist & Honorary Prof.
Indian Institute of Science
Bangalore – 560012

Address of main office and its Branches

Frequency of Meetings

Atleast twice a year or as frequently as required

Can public participate in the meeting?

No

Are minutes of the meetings prepared?

Yes

3. Standing Advisory Committee (Overseas)

Name and Address of the Affiliated Body:

Standing Advisory Committee (Overseas)
Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Committee

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

In order to obtain expert advice and suitable inputs from some of the eminent biotechnologists of Indian origin working in advanced countries, the Standing Advisory Committee (Overseas) was constituted with the approval of Hon'ble PM in 1988.

Role of the Affiliated Body (Advisory / Managing / Executive / Others) :

To provide updates and scientific inputs for biotechnology research, and help in preparing perspective plan on research and development priorities of India.

• Structure and Member Composition:

Prof. Inder Verma Laboratory of Genetics The Salk Institute 10010 North Torrey Pines Road La Jolla, CA 92037	Molecular Biology (Virology & Medicines)
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Dr. Anand M. Chakraborty University of Illinois, College of Medicine 835 S. Wolcott Avenue Chicago, IL 60612	Genetic Engg. & Microbial Technology
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Dr. Gurdev S. Khush 416, Cabrillo Avenue, Davis, California 95616, USA	Plant Breeding, Genetics & Biochemistry
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Dr. Rafi Ahmed Director, Vaccine Research Centre, Emory University School of Medicine, Atlanta, Georgia, USA.	Cellular Immunology & Microbiology
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Dr. Mriganka Sur Department of Brain & Cognitive Sciences Massachusetts Institute of Technology, E25-235 Cambridge, MA 02139	Neurobiology
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Dr. Vishwa Dixit
Oncology
Vice President,
Molecular Oncology,
Genentech Inc.,
460 Point San Bruno Blvd.
South San Francisco,
CA 94080

Medicine - Molecular

Dr. Ravinder Maini
Prof. of Rheumatology & Head,
Kennedy Instt. of Rheumatology,
Imperial College School of Medicine,
Charing Cross Hospital Campus,
Arthritis Research Campaign Building,
1 Aspenlea Road, London W6 8LH.

Medicine – Immunology,
Clinical & Cytokine Biology

Dr. Autar K. Mattoo
Research Leader,
Vegetable Laboratory,
USDA, ARS, BARC-W,
Beltsville, Maryland.

Plant Molecular Biology

Dr. Chaitan S. Khosla
Professor of Chemistry,
Department of Chemical Engineering,
Stanford University, USA

Biocatalysis,
Engineered Natural Products

Dr. Shankar Subramaniam
Prof. of Bioengineering,
Chemistry & Biochemistry,
Dept. of Bioengineering,
Chemistry & Biochemistry,
Super Computer Centre, UCSD,
USA

Bioinformatics &
Computational Biology

Dr. Rakesh Jain
Prof. of Tumor Biology,
Harvard Medical School &
Director of Edwin L. Steele Laboratory at
Massachusetts General Hospital,
Boston, MA USA

Bioengineering & Cardiology

Adviser, DBT

Member Secretary

Dr. Shailja V. Gupta
PSO, DBT

Member Secretary

Head of the Body :

Secretary, DBT

- **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings :**

Once a year

Can public participate in the meetings ?

No

Are minutes of the meetings prepared ?

Yes

1. India side Indo-US Joint Working Group

- **Name and address of the Affiliated Body**

Indian Joint Working group of Indo-US collaboration in the area of Agricultural Biotechnology Research and Development

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Advisory

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

The programme will encourage the creation of partnerships to bring together Indian and US public and private institutions to pursue agricultural biotechnology research projects of mutual interests. DBT and the USAID would be the coordinators of Indian and US side respectively.

- **Role of the Affiliated Body (Advisory / Managing / Executive/Others)**

Review programme plans, and recommend new areas of cooperation, taking into account recommendations from technical workshop and collaborating scientists and prospects for partnership between Indian and US public and private institutions. To identify funding requirements and sources and address issues referred by the Executive Agents/secretariat, making recommendations as appropriate. Also to monitor and evaluate the programme, creating *ad-hoc* sub-committees or evaluation committees as appropriate.

- **Structure and Member Composition**

The Indian side of JWG is lead by an eminent scientist in the area of Agriculture Biotechnology. The working group has 10-12 other members from different

institutions including advisor from DBT and having expertise in related disciplines. There are 3-4 ex-officio members from concerned Ministry/Deptt besides DBT officials. The composition of the Task Force is as below :-

1.	Dr. C.R. Bhatia, Former Secretary, DBT	Co-Chairperson
2.	Director General, CSIR/Nominee	Member (Ex-Officio)
3.	Director General, ICAR/Nominee	Member (Ex-Officio)
4.	The Secretary, Min. of Environment & Forest/Nominee	Member (Ex-Officio)
5.	Agricultural Commissioner, DOAC, New Delhi	Member (Ex-Officio)
6.	Dr. S. Nagarajan, Director, IARI, New Delhi	Member
7.	Prof. Asis Datta, Director, NCPGR, New Delhi	Member
8.	Prof. S.K. Sopory, ICGEB, New Delhi	Member
9.	Adviser, DBT	Member
10.	Dr. V.P. Gupta, Adviser, DBT	Member
11.	Dr. K.S. Charak, Director, DBT	Member Secretary

- **Head of the Body**

Dr. C.R. Bhatia, Former Secretary, DBT
127, Rohini, Mumbai

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

One meeting in a year on rotation basis

- **Can public participate in the meetings?**

Yes if it is of their interest

- **Are minutes of the meetings prepared?**

Yes

2. **Centres of Excellence in areas of Biotechnology**

- **Name and address of the Affiliated Body**

Centres of Excellence in areas of Biotechnology

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

The terms of the reference of the above committee are as follows-

- (i) The PAC will evaluate the scientific and technical merit of the short-listed proposals submitted.
- (ii) It will recommend the specific proposals for financial support by the DBT alongwith the level of funding
- (iii) It will critically examine and monitor the progress of the “Centres of Excellence” vis-à-vis the objectives and milestones and recommend corrective measures as and when required
- (iv) It will recommend on-the-spot evaluation / site visits as and whenever deemed necessary
- (v) The PAC may constitute its Sub-Committee(s) in specific areas as and when required, to evaluate the scientific and technical merit of the proposals as well as monitoring the progress of the centre.
- (vi) The PAC will be an independent high powered committee. There will be no financial ceiling for recommending the proposals for funding. The proposals recommended by PAC will not require the approval of Biotechnology Research and Promotion Committee (BRPC) for funding by the DBT. However, SFC/EFC procedures, as prescribed, will be followed.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

As above

- **Structure and Member Composition**

- | | | |
|-------|--|----------|
| (i) | Prof. G. Padmanaban
Emeritus Scientist & Honorary Professor,
Indian Institute of Science
Bangalore – 560012 | Chairman |
| (ii) | Prof. P. N. Tandon
1, Jagriti Enclave, Vikas Marg
Delhi -110092. | Member |
| (iii) | Prof. A. K. Sharma
Deptt. of Botany
Calcutta University
35, Ballygunge Circular Road
Calcutta – 700019. | Member |
| (iv) | Dr. S. K. Basu
Director
National Instt. of Immunology
Aruna Asaf Ali Road
New Delhi – 110 067 | Member |
| (v) | Dr. A. Surolia,
Prof. of Biophysics & Chairman
Deptt. of Molecular Biophysics Unit,
Indian Institute of Science,
Bangalore – 560 012 | Member |

- | | | |
|--------|--|------------------|
| (vi) | Prof. N. K. Ganguly
Director General
Indian Council of Medical Research
Ansari Nagar, Post Box No. 4911
New Delhi – 110 029. | Member |
| (vii) | Prof. Raghavendra Gadagkar
Centre for Ecological Sciences
Indian Instt.of Science
Bangalore – 560 012. | Member |
| (viii) | Dr. Sudhir K. Sopory,
Senior Scientist,
International Centre for Genetic Engineering
And Biotechnology (ICGEB),
Aruna Asaf Ali Marg, New Delhi – 110 067 | Member |
| (ix) | Dr. S. Nagarajan
Director,
Indian Agricultural Research Institute,
Pusa, New Delhi-110 012. | Member |
| (x) | Dr. D. Balasubramanian,
Director of Research,
LV. Prasad Eye Institute,
LV Prasad Marg, Banjara Hills,
Hyderabad – 500 -034 | Member |
| (xi) | Prof. K. Dharmalingam
Head & Sr. Prof.,
Dept. of Genetic Engineering,
School of Biotechnology,
Madurai Kamaraj University,
Madurai – 625 021. | Member |
| (xii) | Dr. Rama Mukherjee,
Director,
Dabur Research Foundation,
22, site-IV, Sahibabad,
Ghaziabad – 202 010 | Member |
| (xiii) | Dr. S. Natesh,
Scientist ‘G’,
Deptt. of Biotechnology,
Ministry of Science and Technology,
CGO Complex, Lodhi Road,
New Delhi – 110 003 | Member |
| (xiv) | Dr. Mohd. Aslam,
Scientist – F,
Deptt. of Biotechnology,
Ministry of Science and Technology,
CGO Complex, Lodhi Road,
New Delhi | Member-Secretary |

- **Head of the Body**
Prof. G. Padmanaban
Emeritus Scientist & Honorary Professor,
Indian Institute of Science
Bangalore – 560012
Chairman

- **Address of main office and its Branches**

Department of Biotechnology, Ministry of Science & Technology, Block –2, CGO Complex, New Delhi- 110 003

- **Frequency of Meetings**

The committee would meet once in six months or more frequently, if deemed necessary

- **Can public participate in the meetings?**

Only experts in the area are participating in these meetings

- **Are minutes of the meetings prepared?**

Yes

3. Scientific Advisory Committee on Bioresource Inventorization and Prospecting

- **Name and address of the Affiliated Body**

Scientific Advisory Committee on Bioresource Inventorization and Prospecting

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

Establishment in July 2005

Objectives:

- To critically review/monitor the progress of the on-going projects vis-à-vis the objectives and milestones and to recommend corrective measure as and when required.
- To recommend on-the-spot evaluation/site visit as and when required
- To recommend project proposals for funding
- To identify new gap areas
- The SAC would meet once in six months or more frequently if deemed necessary.

(vi) The SAC will report to the Steering Committee of NBDB.

(vii) The terms of the SAC will be for a period of three years w.e.f date of issue of this order, unless otherwise indicated.

• **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

Advisory

• **Structure and Member Composition**

- | | | |
|----|---|----------|
| 1. | Prof. S. K. Sopory
International Centre for Genetic Engineering
and Biotechnology,
P.B. No. 10504
Aruna Asaf Ali Marg
New Delhi- 110 067 | Chairman |
| 2. | Dr. P. K. Ranjekar
B-11, Tarang, Gate – 4,
Abimanshree Housing Society Pashan Road,
Pune | Member |
| 3. | Prof. V.S. Parmar
Department of Chemistry,
Delhi University,
New Delhi – 110 007 | Member |
| 4. | Dr. R. Uma Shankar
Deptt. Of Crop Physiology
University of Agricultural Sciences
GKVK Campus
Bangalore 560 065 | Member |
| 5. | Dr. M. Sanjappa
Director,
Botanical Survey of India,
CGO Complex, F Block,
V floor, Salt Lake City, DF Block,
Sector - I Kolkata – 700 064 | Member |
| 6. | Dr. Imran Siddique
Scientist - EII,
Centre for Cellular & Molecular Biology,
Uppal Road, Hyderabad – 500 007 | Member |
| 7. | Dr. Tapan Chakrabarti
Institute of Microbial Technology,
Sector 39-A,
Chandigarh-160 036 | Member |
| 8. | Dr. Hemant Purohit
Scientist,
National Environmental Engineering Research Institute, | Member |

Nehru Marg, Nagpur - 440 020

- | | | |
|-----|--|------------------|
| 9. | Dr. Anuradha Lohia
Department of Biochemistry,
Bose Institute,
Main Campus 93/1,
Acharya Prafulla Chandra Road
Kolkata – 700 009 | Member |
| 10. | Prof. Jitender Khurana
Deptt. of Plant Molecular Biology
University of Delhi, South Campus,
Benito Juarez Marg, New Delhi – 110 021 | Member |
| 11. | Dr. G. Dhinakar Raj,
Associate Professor,
Deptt. of Biotechnology,
Tamil Nadu Veterinary Animal Science University,
Madhavaram Milk Colony,
Chennai – 600 051 | Member |
| 12. | Dr. Sas Biswas
Scientist ‘F’
Botany Division,
Forest Research Institute,
(Indian Council of Forestry Research & Education)
PO New Forest, Dehra Dun – 248 006 | Member |
| 13. | Shri Sundeep Sarin
PSO, DBT | Member Secretary |

- **Head of the Body**

Prof. S. K. Sopory, International Centre for Genetic Engineering and Biotechnology,
P.B. No. 10504, Aruna Asaf Ali Marg, New Delhi- 110 067

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

Twice a year

- **Can public participate in the meetings?**

No

- **Are minutes of the meetings prepared?**

Yes

4. Indian Joint Working Group for the Indo-US Programme on Contraceptive and Reproductive Health Research

Name and Address of the Affiliated Body:

Indian Joint Working Group for the Indo-US Programme on Contraceptive and Reproductive Health Research.
Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Joint Working Group

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

To obtain expert advice and suitable inputs from some of the eminent scientists working in the area of contraceptive and reproductive health research, the Indian Joint Working Group for the Indo-US Programme on Contraceptive and Reproductive Health Research was constituted with the approval of Hon'ble Minister, S&T in 1998

Role of the Affiliated Body (Advisory / Managing / Executive / Others) :

Advisory

• Structure and Member Composition:

Dr. M.R.S.Rao Department of Biochemistry IISc., Bangalore – 560 012.	-	Chairman
Dr. S.K.Gupta Staff Scientist Gamete Antigen Lab NII, New Delhi – 110 067	-	Member
Dr. P.B.Seshagiri Department of Molecular Reproduction Development and Genetics IISc., Bangalore – 560 012	-	Member
Prof. M. Rajalakshmi CME Coordinator National Academy of Medical Sciences Ansari Nagar, Mahatma Gandhi Marg New Delhi – 110 029	-	Member
Dr. Chander P. Puri Director National Institute for Research in Reproduction, Jehangir Merwanji Street, Parel Mumbai – 400 012	-	Member
Dr. Vimla V. Nadkarni	-	Member

Professor and Head
Department of Medical and Psychiatric Social Work
Tata Institute of Social Sciences
Sion-Trombay Road, Deonar, Mumbai 400 088.

Dr. Suneeta Mittal Professor Department of Obstetrics and Gynaecology AIIMS, Ansari Nagar, New Delhi – 110 029.	-	Member
Dr. Nirmal Kumar Lohiya School of Life Sciences Department of Zoology University of Rajasthan Jaipur – 302 004, Rajasthan	-	Member
Dr. Manmohan Singh Sr. Asistant Director Endocrinology Division CDRI, P.O. Box 173, Chattar Manzil Palace Lucknow – 226 001.	-	Member
Prof. K. Muralidhar Department of Zoology Delhi University North Campus, New Delhi – 110 007.	-	Member
Representative ICMR New Delhi	-	Member
Representative Ministry of Health and Family Welfare New Delhi	-	Member
Scientist ‘G’DBT	-	Member-Secretary
Dr. Shailja V. Gupta Sc. ‘E’	-	Member-Secretary

Head of the Body :

Chairman, Dr. M.R.S.Rao, JNCASR, Bangalore

• **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

• **Frequency of Meetings :**

Once a year

Can public participate in the meetings ?

No

Are minutes of the meetings prepared ?

Yes

5. Biotech Steering Committee under the Indo-Danish collaboration in Biotechnology.

Name and Address of the Affiliated Body:

Biotech Steering Committee under the Indo-Danish collaboration in Biotechnology.
Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Committee

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

To oversee the programme of Indo-Denmark collaboration in biotechnology, provide expert advice and suitable inputs for the roadmap, Biotech Steering Committee was constituted in 2005 with the approval of Hon'ble Minister S&T

Role of the Affiliated Body (Advisory / Managing / Executive / Others) :

Advisory

• Structure and Member Composition:

- | | | | |
|----|---|---|----------|
| 1. | Dr. S.E.Hasnain
Director, CDFD, Hyderabad | - | Chairman |
| 2. | Dr. Alok Srivastava
Professor, CMC Vellore | - | Member |
| 3. | Dr. Rama Mukherjee
Director R&D, Dabur Research Foundation | - | Member |
| 4. | Dr. Deepak Pental
Director, University of Delhi | - | Member |
| 5. | Dr. Sudhir Krishna
NCBS, Bangalore | - | Member |
| 6. | Prof. (Dr.) P.N. Bhat
Chanakyapuri, New Delhi | - | Member |
| 7. | Adviser | - | Member |

Head of the Body :

Chairman,

• **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

• **Frequency of Meetings :**

Once a year

Can public participate in the meetings ?

No

Are minutes of the meetings prepared ?

Yes

6. International Programme Approval Committee (IPAC)

• **Name and address of the Affiliated Body**

International Programme Approval Committee (IPAC)
Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

• **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

• **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

To review and oversee the joint R&D projects developed under various bilateral programmes, International Programme Approval Committee was constituted in 1998 with the approval of Secretary, DBT

• **Role of the Affiliated Body (Advisory / Managing / Executive/Others)**

Advisory

• **Structure and Member Composition**

1. Dr. Sandip K. Basu

Chairman

Director,

National Institute of Immunology

Aruna Asaf Ali Marg

- N. Delhi – 110 067.
2. Dr. Sudhir Sopory
International Centre for Genetic
Engg. & Biotechnology
Aruna Asaf Ali Road, New Delhi – 110 067. Member
 3. Dr. Alok Bhattacharya
School of Life Sciences
Jawaharlal Nehru University
New Delhi – 110 067. Member
 4. Dr. G.P. Agarwal
Department of Biochemical Engg. & Biotechnology
Indian Institute of Technology
Hauz Khas, N. Delhi – 110 016. Member
 5. Dr. Anil K. Tyagi
Prof. & Head
Dept. of Biochemistry
Univ. of Delhi, South Campus
Benito Juarez Marg,
N. Delhi – 110 021. Member
 6. Prof. Y.D. Sharma
Dept. of Biotechnology
All India Institute of Medical Sciences
Ansari Nagar, N.Delhi – 110 029. Member
 7. Nominee of DST Member
 8. Nominee of ICAR Member
 9. Nominee of ICMR Member
 10. Nominee of CSIR Member
 11. Jt. Secretary (Admn.), DBT Member

12. Jt. Secretary & Fin. Adviser, DBT
or Nominee Member
13. Scientist 'G' Member
14. Dr. Shailja V. Gupta
Sc. 'E', DBT Member-Secretary

- **Head of the Body**

Chairman, Dr. Sandip K. Basu, NII, New Delhi

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

1-2 times a year

- **Can public participate in the meetings?**

No

- **Are minutes of the meetings prepared?**

Yes

7. Review Committee on Genetic Manipulation (RCGM)

Name and address of the Affiliated Body: Review Committee on Genetic Manipulation (RCGM), constituted by Department of Biotechnology under the Rules-1989 of Environment Protection Act, 1986.

Type of Affiliated Body (Board, Council, Committees, Other Bodies): RCGM is a committee consisting of experts in the area and statutory members.

Brief Introduction of the Affiliated Body (Establishment Year, Objective/ Main Activities): RCGM is a statutory committee established by the Department in the year 1993. The main objectives and functions of the committee as are:

- To bring out manuals of guidelines specifying producers for regulatory process on GMOs in research, use and applications including industry with a view to ensure environmental safety.
- To review all on going r-DNA projects involving high risk category and controlled field experiments.
- To lay down producers for restriction or prohibition, production, sale, import & use of GMOs both for research and applications.
- To permit experiments with category III risks and above with appropriate containment.
- To authorize imports of GMOs/ transgenes for research purposes.
- To authorize field experiments in 20 acres in multi-locations in one crop season with up to one acre at one site.
- To generate relevant data on transgenic materials in appropriate systems.

Role of the Affiliated Body (Advisory/ Managing/ Executive/ others): Advisory in nature

Structure and Member Composition: As per the Rules- 1989

No. BT/BS/17/175/2005-PID

Dated: 02.01.2006

OFFICE ORDER

Subject: Reconstitution of Review Committee on Genetic Manipulation in the Department of Biotechnology.

In accordance with the Notification of the Ministry of Environment and Forests (MoE&F) vide Gazette Notification No. GSR 1037 (E) dated 5th December 1989, notified under the Environment (Protection) Act 1986, the Department of Biotechnology (DBT) has reconstituted the Review Committee on Genetic Manipulation (RCGM) which shall function in the Department of Biotechnology with the following constitution:

1. Dr. V.P. Kamboj, Ex-Director, CDRI and - Chairman
CSIR Emeritus Scientist,
Central Drug Research Institute,
Chattar Manzil, Post Box. No. 173,
Lucknow – 226 001.
2. Prof. M. Udaya Kumar, Professor, - Co-Chairman

Department of Crop Physiology,
University of Agricultural Sciences, Hebbal,
GKVK, Bangalore - 560 065.

3. Dr. N.T. Yaduraju, Principal Scientist - Member
Division of Agronomy,
Indian Agricultural Research Institute (IARI),
Pusa Campus, New Delhi - 110 012.
4. Dr. Rakesh Tuli, - Member
National Botanical Research Institute,
Rana Pratap Marg, P.B. No. 436,
Lucknow – 226 001.
5. Dr. J. Nagaraju, Staff Scientist& Chief, - Member
Laboratory of Molecular genetics,
Centre for DNA Fingerprinting and Diagnostics,
4-87/1, ECIL Road,
Nacharam, Hyderabad – 500 076.
6. Dr. T.P. Rajendran, ADG (Plant Protection) - Member
Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, New Delhi – 110 001.
7. Dr. V.V.S. Suryanarayana, Principal Scientist, - Member
Indian Veterinary Research Institute,
Hebbal, Bangalore – 560 024.
8. Dr. B.M. Khadi, Director, - Member
Central Institute for Cotton Research (CICR),
(Indian Council of Agricultural Research)
Post Bag No. 2, Shankar Nagar P.O.,
Nagpur – 440 010.
9. Dr. A.R. Reddy, Professor, - Member
Department of Plant Sciences,
School of Life Sciences,
University of Hyderabad,
Hyderabad – 500 046.
10. Dr. Shiva Reddy, Group Leader, - Member
Plant Biology: Plant transformation,
International Centre for Genetic Engineering and Biotechnology,
P.O. Box No. 10504,
Aruna Asaf Ali Marg, New Delhi – 110 067.
11. Prof. Har Narayan Gour, - Member
Professor and Head,
Department of Plant Pathology,
Rajasthan College of Agriculture,
Maharana Pratap University of Agriculture and technology
Udaipur – 313 001, Rajasthan.
12. Dr. Rakesh K. Jain, Scientist-F, - Member

Institute of Microbial Technology,
Sector 39A, Chandigarh – 160 036.

13. Dr. Hemant J. Purohit, Head, - Member
Environmental Genomics Unit,
National Environmental Engineering Research Institute (NEERI),
Nehru Marg, Nagpur – 440 020.
14. Dr. A.K. Panda, Staff Scientist, - Member
National Institute of Immunology,
Aruna Asaf Ali Marg,
New Delhi – 110 067.
15. Dr. P. Kondaiah, Professor, - Member
Department of Molecular Reproduction,
Development & Genetics,
Indian Institute of Science, Maleswaram,
Bangalore – 560 012.
16. Dr. Debi P. Sarkar, - Member
Professor & Head,
Department of Biochemistry,
University of Delhi South Campus,
Benito Juarez Road, New Delhi - 110 021.
17. Dr. B. Sesikeran, Dy. Director, - Member
Head Pathology Division,
National Institute of Nutrition (NIN),
Jamai-Osmania PO.
Hyderabad – 500 007.
18. Nominee, ICAR - Member
Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, New Delhi – 110 001.
19. Nominee, CSIR - Member
(Research Planning Business Development Group (RPBD)),
Council of Scientific and Industrial Research,
Anusandhan Bhavan, 2, Rafi Marg,
New Delhi - 110 001.
20. Nominee, ICMR - Member
Indian Council of Medical Research (ICMR),
Ansari Nagar, Post Box No.4911,
New Delhi – 110 029.
21. Nominee MoE&F / GEAC - Member
Ministry of Environment & Forests,
Paryavaran Bhavan, C.G.O. Complex,

Lodi Road, New Delhi -110 003.

- | | | | |
|-----|--|---|------------------|
| 22. | Dr. J.L.Karihaloo, Director | - | Member |
| | National Bureau of Plant Genetic Resources (NBPGR),
Pusa Campus, New Delhi – 110 012 | | |
| 23 | Nominee DCG(I) | - | Member |
| | O/o Drugs Controller General of India,
Directorate General of Health Services,
Nirman Bhawan, New Delhi 110 011. | | |
| 24. | Dr. K.S. Charak, Scientist-F,
DBT | - | Official Member |
| 25. | Dr. Bindu Dey, Scientist-F
DBT | - | Official Member |
| 26. | Dr. Suchita Ninawe, Scientist-E
DBT | - | Official Member |
| 27. | Dr. K.K. Tripathi, Adviser
DBT | - | Member Secretary |
| 28. | Dr. Rajalakshmi Muralidharan, Scientist 'D', DBT
Co- Member Secretary | | |

TERMS OF REFERENCE OF RCGM

1. The RCGM shall function in the DBT to monitor the safety related aspects in respect of all ongoing r-DNA projects & activities involving Genetically Engineered Organisms/ Hazardous Micro-organisms and controlled field experiments as per the Rules-1989 of EPA-1986.
2. The RCGM shall constitute Monitoring-cum-Evaluation Committee (MEC) through DBT as per the 'Revised Guidelines for Research in Transgenic Plants and Guidelines for Toxicity and Allergenicity Evaluation of Transgenic Seeds, Plants & Plant Parts-1998'. RCGM may also appoint subgroups to undertake specific activities related Biosafety.

The RCGM shall bring out manuals of guidelines specifying procedure for regulatory process with respect to activities involving genetically engineered organisms in research, use and application including industry with a view to ensure environmental safety.

The RCGM shall lay down procedures restricting or prohibiting production, sale, importation and use of such genetically engineered organisms or products thereof for research and applications that may have biohazard potential.

The RCGM shall review all on-going research projects involving high-risk category and controlled field experiments.

- The RCGM or its constituted subgroups shall visit periodically the experimental sites where projects with biohazard potential are being pursued to ensure that adequate safety measures have been taken as per the guidelines.
- The RCGM would issue the clearance for import of genes, DNA fragments, vectors, plasmids, etiologic agents & vectors, transgenic germplasm(s) including transformed calli, seeds, plants & plant parts for research use only.
- The RCGM can authorize applicants to conduct contained field trials limited to a total of 20 acres in multi-locations in one crop season in the country to seek answers to relevant and necessary questions on biosafety including risks related to environment, animal and human health. In one location, where the experiment is conducted with transgenic plants, the land used should not be more than one acre. The design of the trial experiments is either provided by the RCGM or it may approve the protocol designed by the Investigator.
- The RCGM, on case-by-case basis, can authorize applicants to use bioreactors beyond 20 ltrs capacities exclusively for research purposes only to produce sufficient material/ products of GMOs required for generating pre-clinical and other relevant data required to establish the product for commercial use.
- The RCGM, if required, can direct the applicants to generate toxicity, allergenicity and any other relevant data on transgenic materials/ GMOs in appropriate test systems. The RCGM may design or approve a protocol for conducting experiments to seek answers to the above.
- The RCGM, if required, can direct the applicants to generate long term environmental safety data, who are seeking release of transgenic plants into the open environment after completion of initial safety evaluation.
- The RCGM, if required, can generate or examine the research projects, proposals for conduct of workshops, seminars, symposia, training courses etc., creation of information systems/ data banks in electronic media, websites etc. and recommend to the DBT for funding of specific projects for furthering the cause of generating specific biosafety data related to use of GMOs in the environment and strengthening infrastructure facilities & dissemination of biosafety rules, regulations & guidelines in the country.
- The RCGM may also invite, induct or appoint experts in their individual capacities for furthering the cause of RCGM.
- The RCGM shall maintain the classified information provided by the applicants as confidential.
- The RCGM shall function for a period of three years from the date of notification.
- The RCGM shall meet at least twice in a year or as and when required.
- The Members of RCGM shall be paid TA/DA and honorarium as per the Government rules & regulations.

This issues with the approval of Secretary, Department of Biotechnology.

RCGM agreed to meet in general on 4th Tuesday of every month. Applicants are advised to submit applications 20 days ahead of the scheduled meeting of RCGM for consideration. No application would be considered by the Committee which is not received within the prescribed time limits.

Composition of new Review Committee on Genetic Manipulation (RCGM)

1. Dr. V.P. Kamboj, Ex-Director, CDRI and CSIR Emeritus Scientist, Central Drug Research Institute, Chattar Manzil, Post Box. No. 173, Lucknow – 226 001.
e-mail: kambojvp@yahoo.com - Chairman
2. Prof. M. Udaya Kumar, Professor, Department of Crop Physiology, University of Agricultural Sciences, Hebbal, GKVK, Bangalore - 560 065.
Phone: 080-2363 6713
e-mail: udayakumar_m@yahoo.com - Co-Chairman
3. Dr. N.T. Yaduraju, Principal Scientist Division of Agronomy, Indian Agricultural Research Institute (IARI), Pusa Campus, New Delhi - 110 012.
Phone: 011-2584 1488;
Fax : 011-2584 6420
e-mail: yaduraju@yahoo.co.uk - Member
4. Dr. Rakesh Tuli, National Botanical Research Institute, Rana Pratap Marg, P.B. No. 436, Lucknow – 226 001.
Phone: 0522-220 5849# 324;
Fax: 0522-220 5836
e-mail: rakeshtuli@hotmail.com; rakeshtuli23@rediffmail.com - Member
5. Dr. J. Nagaraju, Staff Scientist & Chief, Laboratory of Molecular genetics, Centre for DNA Fingerprinting and Diagnostics, 4-87/1, ECIL Road, Nacharam, Hyderabad – 500 076.
Phone: 040-2717 1427(D); 040-2715 1344# 1100(O), 1120(L)
Fax: 040-2715 5610/2715 5479
e-mail: jnagaraju@mailcity.com - Member
6. Dr. T.P. Rajendran, ADG (Plant Protection) - Member

Indian Council of Agricultural Research (ICAR),
Krishi Bhawan,
New Delhi – 110 001.
e-mail: tprajendran@yahoo.com

7. Dr. V.V.S. Suryanarayana, Principal Scientist, - Member
Indian Veterinary Research Institute,
Hebbal, Bangalore – 560 024.
Phone: 080-2341 8078
e-mail: veluvarthy@yahoo.com
8. Dr. B.M. Khadi, Director, - Member
Central Institute for Cotton Research (CICR),
(Indian Council of Agricultural Research)
Post Bag No. 2, Shankar Nagar P.O.,
Nagpur – 440 010.
Phone: 07103-275 536
Fax : 07103-275 529
e-mail: cicrngp@rediffmail.com
9. Dr. A.R. Reddy, Professor, - Member
Department of Plant Sciences,
School of Life Sciences,
University of Hyderabad,
Hyderabad – 500 046.
Phone: 040-2301 0265;
Fax: 040 2301 0145
e-mail: arjuls@uohyd.ernet.in
10. Dr. Shiva Reddy, Group Leader, - Member
Plant Biology: Plant transformation,
International Centre for Genetic Engineering and Biotechnology,
P.O. Box No. 10504,
Aruna Asaf Ali Marg, New Delhi – 110 067.
Phone: 011-2618 1212(L); 2618 9358/9360/94361/2619 5007 # 351
Fax : 011-2616 2316
e-mail: vsreddy@icgeb.res.in
11. Prof. Har Narayan Gour, - Member
Professor and Head,
Department of Plant Pathology,
Rajasthan College of Agriculture,
Maharana Pratap University of Agriculture and technology
Udaipur – 313 001, Rajasthan.
Phone: 0294-241 3612;
Fax: 0294-242 0447
e-mail: gour_hn@sancharnet.in
12. Dr. Rakesh K. Jain, Scientist-F, - Member
Institute of Microbial Technology,
Sector 39A, Chandigarh – 160 036
Phone: 0172-269 0908/5215/5225
Fax: 0172-269 0585/0632
E-mail: rkj@imtech.res.in; rakesh110@yahoo.com

13. Dr. Hemant J. Purohit, Head, - Member
 Environmental Genomics Unit,
 National Environmental Engineering Research Institute (NEERI),
 Nehru Marg, Nagpur – 440 020.
Phone: 0712-2241 974;
Telfax: 0712-2249 883
 e-mail: hemanthdrd@hotmail.com
14. Dr. A.K. Panda, Staff Scientist, - Member
 National Institute of Immunology,
 Aruna Asaf Ali Marg,
 New Delhi – 110 067.
15. Dr. P. Kondaiah, Professor, - Member
 Department of Molecular Reproduction,
 Development & Genetics,
 Indian Institute of Science, Maleswaram,
 Bangalore – 560 012.
Phone: 080-2293 2688
Fax : 080-23360 0999
 e-mail: paturu@mrdg.iisc.ernet.in
16. Dr. Debi P. Sarkar, - Member
 Professor & Head,
 Department of Biochemistry,
 University of Delhi South Campus,
 Benito Juarez Road,
 New Delhi - 110 021.
Phone: 011-2411 1967/2411 6178 (L)
Fax: 011-2411 0283/ 2411 5270
 e-mail: dpsarkar59@rediffmail.com
17. Dr. B. Sesikeran, Dy. Director, - Member
 Head Pathology Division,
 National Institute of Nutrition (NIN),
 Jamai-Osmania PO.
 Hyderabad – 500 007.
 Phone: 040-2700 8921# 309
 Fax: 040-2701 9074
e-mail: sesikeran@gmail.com
18. **Nominee, ICAR** - **Member**
 Indian Council of Agricultural Research (ICAR),
 Krishi Bhawan,
 New Delhi – 110 001.
19. Nominee, CSIR - Member
 (Research Planning Business Development Group (RPBD)),
 Council of Scientific and Industrial Research,
 Anusandhan Bhavan, 2, Rafi Marg,
 New Delhi - 110 001.

20. Nominee, ICMR - Member
Indian Council of Medical Research (ICMR),
Ansari Nagar, Post Box No.4911,
New Delhi – 110 029.
21. Nominee MoE&F / GEAC - Member
Ministry of Environment & Forests,
Paryavaran Bhavan, C.G.O. Complex,
Lodi Road, New Delhi -110 003.
Fax : 011 436 2551
22. Dr. J.L.Karihaloo, Director - Member
National Bureau of Plant Genetic Resources (NBPGR),
Pusa Campus, New Delhi – 110 012
Phone: 011-2584 3697
Fax : 011-2585 1495/ 2578 5619
e-mail: director@nbpgr.ernet.in
23. Nominee DCG(I) - Member
O/o Drugs Controller General of India,
Directorate General of Health Services,
irman Bhawan, New Delhi 110 011.
24. Dr. K.S. Charak, Scientist-G - Official Member
DBT
25. Dr. Bindu Dey, Scientist-F -Official Member DBT
26. Dr. Suchita Ninawe, Scientist-E - Official Member
DBT
27. Dr. K. K. Tripathi, Adviser, - Member Secretary
Scientist- ‘ ,
Department of Biotechnology,
CGO Complex, Lodi Road,
New Delhi – 110 003.
28. Smt. Rajalakshmi Muralidharan -Co- Member Secretary
Scientist D,
Department of Biotechnology,
CGO Complex, Lodi Road,
New Delhi – 110 003.

Head of the Body: Dr. V.P. Kamboj, Ex-Director, CDRI, Lucknow

Address of main office and its Branches: The committee functions from DBT only.

Frequency of Meetings: Once in a month

Can public participate in the meetings?: There are no statutory provisions to make the public to participate in the meeting.

Are minutes of the meetings prepared? Yes

8. Monitoring-cum-Evaluation Committee (MEC)

Name and address of the Affiliated Body: Monitoring-cum-Evaluation Committee (MEC), constituted by Department of Biotechnology under the Rules-1989 of Environment Protection Act, 1986.

Type of Affiliated Body (Board, Council, Committees, Other Bodies): MEC is a committee consisting of experts in the area.

Brief Introduction of the Affiliated Body (Establishment Year, Objective/ Main Activities): MEC is a committee established by the Department in the year 1998. The main objectives and functions of the committee as are:

To undertake field visits at the experimental site(s).

To review the design of experiments / trials and collection of data during limited open field trials.

To collect information on the comparative agronomic advantages of transgenic crop.

To assess and advise on the risks and benefits from the use of transgenic plants.

To assist in collecting, consolidating and analyzing the field data for evaluating the environmental risks emanating from the transgenic plants.

To recommend those transgenic crops which would be found to be environmentally safe and economically viable to RCGM and to GEAC for consideration to release into the environment.

Role of the Affiliated Body (Advisory/ Managing/ Executive/ others): Advisory in nature

Structure and Member Composition: As per the 1998 Guidelines (Revised Guidelines for Research in Transgenic Plants and Guidelines for Toxicity & Allergenicity Evaluation of Transgenic Seeds, Plants & Plant Parts) of Department of Biotechnology

- | | | |
|----|---|----------|
| 1. | Dr. S. Nagarajan, Director,
Indian Agriculture Research Institute (IARI),
Pusa, New Delhi – 110 012. | Chairman |
| 2. | Prof. Akhilesh Tyagi, Head,
Department of Plant Molecular Biology,
University of Delhi South Campus,
Benito Juarez Marg,
New Delhi - 110 021. | Member |
| 3. | Dr. Anand Kumar, Scientist,
National Research Centre on
Plant Biotechnology (NRCPB),
IARI Campus, Pusa, New Delhi – 110 012. | „ |

4. Dr. H.S. Dhaliwal,
Professor of Biotechnology,
Department of Genetics & Biotechnology,
Punjab Agriculture University,
Ludhiana 141 004.
5. Dr. H.S. Gupta, Director, ”
Vivekananda Parvatiya Krishi Anusandhan
Sansthan (Vivekananda Institute of Hill Agriculture),
Almore – 263 601 (Uttaranchal).
6. Dr. S.P. Sharma, Professor ”
Division of Seed Science & Technology,
Indian Agricultural Research Institute (IARI),
Pusa, New Delhi – 110 012.
7. Dr. Rajendra Kumar, Head ”
Division of Seed Science & Technology,
Indian Agricultural Research Institute (IARI),
Pusa, New Delhi – 110 012.
8. Dr. V.P. Singh, ”
Rtd. Principal Scientist, IARI,
C4B/ 251, Pocket-13,
Janakpuri, New Delhi – 110 058.
9. Dr. P.S. Sirohi, Head ”
Division of Vegetable Crops,
Indian Agricultural Research Institute (IARI),
Pusa, New Delhi – 110 012.
10. Dr. S.S. Singh, Principal Scientist ”
Division of Genetics,
Indian Agricultural Research Institute (IARI),
Pusa, New Delhi – 110 012.
11. Dr. Ajay Parida, ”
Principal Scientist,
M.S. Swaminathan Research Foundation,
IIIrd Cross Street, Taramani Institutional Area,
Taramani, Chennai – 600 113
12. Dr. (Mrs.) Asha A. Juwarkar ”
Deputy Director,
Environmental Biotechnology Division,
National Environmental Engg. Research Institute (NEERI),
Nehru Marg, Nagpur – 440 020.
13. Dr. J.L. Karihaloo, Project Director ”
NRC on DNA Fingerprinting,
National Bureau of Plant Genetic Resources,
Pusa Campus, New Delhi - 110 012.
14. Dr. Ranjini Warriar ”

Member-Secretary,
GEAC, MoE&F, Lodi Road,
New Delhi- 110 003.

15. Shri M.K. Sharma „
Deputy Legal Adviser,
Department of Legal Affairs,
Ministry of Law, Justice & Company Affairs,
Shastri Bhavan, New Delhi - 110 001.
16. Dr. K.K. Tripathi, Adviser „
Department of Biotechnology,
Block-2, C.G.O. Complex,
Lodi Road, New Delhi - 110 003.
17. Dr. K.S. Charak, Scientist-G, „
Department of Biotechnology,
Block-2, C.G.O. Complex,
Lodi Road, New Delhi - 110 003.
18. , Scientist- , DBT Member-Secretary

Head of the Body: Dr. S. Nagarajan, Director, IARI, New Delhi

Address of main office and its Branches: The committee functions from DBT only.

Frequency of Meetings: As and when required

Can public participate in the meetings? : There are no provisions to make the public to participate in the meeting.

Are minutes of the meetings prepared? Yes

Composition of Monitoring-Cum-Evaluation Committee (MEC) (the committee expired on 03.09.2004 and the Department is in the process of constituting a new committee)

9. Expert Committee to evaluate projects on “Setting up Biotechnology Park(s) and Biotechnology Incubators etc.”

Name and address of the Affiliated Body: Expert Committee to evaluate projects on “Setting up Biotechnology Park(s) and Biotechnology Incubators etc.” by various States and other organizations.

Type of Affiliated Body (Board, Council, Committees, Other Bodies): Expert Committee is a committee consisting of experts in the area.

Brief Introduction of the Affiliated Body (Establishment Year, Objective/ Main Activities): Expert committee established by the Department in the year 2002. The main objectives and functions of the committee as are:

- i) To examine, evaluate and recommend for financial/logistical support in the proposals relating to the establishment of the biotechnology parks, biotechnology incubators, training and pilot projects received from various States and other organizations.
- ii) To work out the modalities for the identification, implementation and review with suggestive course corrections etc. for the projects on biotech parks, technology incubators and pilot projects etc. with a aim to identify sunrise sector within the knowledge based biotech industries.
- iii) The Committee can form sub-groups, can co-opt special members/invitees to fulfill its mandate.
- iv) To suggest sourcing of funds other than DBT as well as identifying resource persons for the fulfillment of achievements proposed in a particular biotech park with its main identified thrust area(s).
- v) To work out avenues for networking of the project with various National Institutions/Universities/NGOs for optimal utilization of the facilities created in the project/park.
- vi) To suggest ways to comply various regulatory issues, clearances for the biotech projects and for self-sustaining of the park/project on a long-term basis.

Role of the Affiliated Body (Advisory/ Managing/ Executive/ others): Advisory in nature

Structure and Member Composition: A scientist having expertise in the subject area is made as Chairman of the Committee and other experts from different areas relevant to the functions of the committee are made as members. Member-Secretary of the committee is drawn from the Department of Biotechnology.

1. Dr. Joseph Thomas Chairman
Adviser (Biotechnology),
Department of Chemical Technology,
Indian Institute of Technology Madras,
Chennai – 600 036.
2. Dr. S. Nagarajan, Director, Member
Indian Agricultural Research Institute (IARI),
Pusa Road, New Delhi - 110 012.

3. Dr. V.P. Kamboj, Chairman BCIL, „
C-135A, Fathima Hospital,
Mahanagar,
Lucknow- 226 006
4. Dr. Naresh Kumar „
Institute of Microbial Technology,
Sector 39A, Chandigarh – 160 014.
5. Dr. P.S. Rao, Vice President, „
M/s Indo-American Hybrid Seeds (I) Pvt. Ltd.
PB No. 7099, 17th Cross, 2nd A Main,
K.R. Road, Banashankari II Stage,
Bangalore - 560 070.
6. Dr. J.M. Khanna, Executive Director & President „
Life Sciences, M/s. Jubilant Organosys Ltd.,
1A, Sector 16A, Institutional Area,
Noida – 201301 (UP)..
7. Dr. Deepak Pental, Director „
University of Delhi South Campus,
Benito Juarez Road,
New Delhi - 110 021.
8. Prof. S.S. Handa „
Executive Villa, 522-A, Block-C,
Shashank Lok, Gurgaon – 122 002 (Haryana).
9. Sh. Rajiv Bhatnagar „
Senior Executive Director
National Small Industries Corp. Ltd.
Shastri Bhawan, New Delhi – 110 011.
10. Dr. K.K. Tripathi, Adviser, DBT „
11. The Secretary/ Nominee „
Ministry of Food Processing Industries,
Panchsheel Bhawan, August Kranti Marg,
New Delhi – 110 048.

12. The Director, „
National Entrepreneurship Development Board,
Deptt. of Science & Technology,
Mehrauli Road, New Delhi – 110 016.
13. Dr. M.K. Sharma, Managing Director, „
National Research Development Corporation (NRDC),
20, Zamroodpur Community Centre,
Kailash Colony Extn.,
New Delhi – 110 048.
14. Dr. Purnima Sharma, General Manager „
Biotech Consortium India Ltd.,
5th Floor, Anuvrat Bhawan,
210, Deen Dayal Upadhyaya Marg,
New Delhi – 110 002.
15. Dr. _____ Member-Secretary
Scientist- _____, DBT

Head of the Body: Dr. Joseph Thomas, Adviser (Biotechnology), IIT Madras, Chennai.

Address of main office and its Branches: The committee functions from DBT only.

Frequency of Meetings: As and when required

Can public participate in the meetings?: There are no provisions to make the public to participate in the meeting.

Are minutes of the meetings prepared?: Yes

10. Project Monitoring Committee on Solanaceae Genome Initiative

Name and address of the Affiliated Body:

Project Monitoring Committee on Solanaceae Genome Initiative
Department of Biotechnology
Ministry of Science & Technology
Block No: 2, CGO Complex, Lodi Road
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees, Other Bodies):

Committee

Brief introduction of the Affiliated Body (Establishment year, objective / main activities):

- i. To identify new gap areas in Structural and Functional Genomics area.
- ii. To critically review/monitor the progress of the on-going projects vis-à-vis objectives and milestones and to recommend corrective measures as and when required
- iii. To recommend on-the-spot evaluation/site visit as and when required
- iv. The PMC would meet once in six months or more frequently if deemed necessary.

The terms of the PMC will be for a period of three years w.e.f date of issue of this order, or until further orders

Role of the Affiliated Body (Advisory / Managing/ Executive / Others):

Advisory

Structure and Member Composition:

Dr. R.P.Sharma, - Member
Ex-Director, NRC on Plant Biotechnology
Pusa Campus, Indian Agriculture Research Institute
New Delhi – 110 012

Prof. Asis Datta, - Member
Director
NCPGR, JNU Campus
P.B. No. 10531
New Delhi – 110 067.

Dr. G. Kalloo, - Member
DDG, Horticulture
Krishi Anusandhan Bhawan-II
Pusa Gate, New Delhi-110012.

Dr. S.K. Sopory, Head Plant Molecular Biology ICGEB, P.B. No. 10504 Aruna Asaf Ali Marg New Delhi- 110 067	-	Member
<i>Dr. Akhilesh Tyagi,</i> Deptt. of Plant Molecular Biology University of Delhi, South Campus, Benito Juarez Road New Delhi – 110 021.	-	<i>Member</i>
Prof. M. Udayakumar Deptt. of Crop Physiology University of Agricultural Sciences GKVK, Bangalore 560 065.	-	Member
Dr. J. Nagaraju, Staff Scientist & Chief Laboratory of Molecular Genetics Centre for DNA Fingerprinting and Diagnostics Nacharam, Hyderabad –500 076	-	Member
Dr. Usha Vijayaraghavan, Department of Molecular and Cell Biology Indian Institute of Science, Bangalore 560 012	-	Member
Dr. Meenakshi Munshi, Scientist 'E', DBT	-	Member Secretary

6. Head of the Body:

Dr. E.A. Siddiq
Emeritus Professor,
81, Happy Home Colony,
Upparpalli, Hyderabad-64

7. Address of main office and its Branches:

Department of Biotechnology
Ministry of Science & Technology
Block No: 2, CGO Complex, Lodi Road
New Delhi – 110 003

8. Frequency of Meetings: At least twice a year or as frequently as required

9. **Can public participate in the meeting?** No
10. **Are minutes of the meetings prepared?** Yes
11. **Scientific Advisory Committee on Resource-specific network programme**

- **Name and address of the Affiliated Body**

Scientific Advisory Committee on Resource-specific network programme

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

Establishment in July 2005

Objectives:

To critically review/monitor the progress of the on-going projects vis-à-vis the objectives and milestones and to recommend corrective measure as and when required.

To recommend on-the-spot evaluation/site visit as and when required

To recommend project proposals for funding

To identify new gap areas

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

Advisory

- **Structure and Member Composition**

- | | | |
|----|---|----------|
| 1. | Dr. A. K. Kaul
14, Bhagwati Nagar
Razdan Lane
Canal Road
Jammu – 180 002 | Chairman |
| 2. | Dr. R. K. Arora
C-3/3035
Vasant Kunj
New Delhi – 110 070 | Member |
| 3. | Prof. Akhilesh Tyagi
Department of Plant Molecular Biology,
Delhi University South Campus,
Benito Juarez Road, | Member |

New Delhi – 110 021

- | | | |
|-----|---|------------------|
| 4. | Dr. Malathi Lakshmikumaran
Consultant,
B-6/10, Safdarjung Enclave,
New Delhi – 110 029 | Member |
| 5. | Dr. Aparna Dixit
Associate Professor
Department of Life Sciences
Jawahar Lal Nehru University,
New Mehrauli Road,
New Delhi 110067 | Member |
| 6. | Dr. J. Karihaloo
Project Director
National Research Centre on DNA Fingerprinting
National Bureau of Plant Genetic Resources
Pusa, New Delhi – 110 012 | Member |
| 7. | Dr. Anand Kumar
National Research Centre on Plant Biotechnology,
Indian Agriculture Research Institute (IARI),
Pusa Campus,
New Delhi – 110 012 | Member |
| 8. | Dr. R.D. Iyer
CP-VIII/152,
Indira Nagar
Chengegala
Kasaragod – 671 541,
Kerala | Member |
| 9. | Dr. Sudha Nair
Scientist,
M.S. Swaminathan Research Foundation
Taramani Institutional Area
<i>CPT Campus, III Cross</i>
Chennai – 600 113 | Member |
| 10. | Dr. Rakesh K. Jain,
Scientist 'F'
Institute of Microbial Technology (IMTECH)
Sector 39-A, Chandigarh – 160 036 | Member |
| 11. | Dr. K. N. Ganesh
Scientist
National Chemical Laboratory,
Pune Homi Bhabha Road,
Pune – 411 008 | Member |
| 12. | Dr. Anamika Gambhir
SSO-I, DBT | Member Secretary |

13. Ms. Shublatha Sharma
SSO-II, DBT

Member Secretary

- **Head of the Body**

Dr. A. K. Kaul, 14, Bhagwati Nagar, Razdan Lane, Canal Road,
Jammu – 180 002

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

Twice a year

- **Can public participate in the meetings?**

No

- **Are minutes of the meetings prepared?**

Yes

12. Medical Biotechnology Development Board

Name and address of the Affiliated Body : Medical Biotechnology Development Board

Type of affiliated body : Board

Brief introduction of the affiliated Body : Established on 3rd August, 2005 with following terms of references :

- Help the Department of Biotechnology in prioritizing areas of medical biotechnology research in the country.
- Capacity building and infrastructure in medical schools for translational research.
- Review and advice on public private partnership in R&D.
- Suggest the areas/institutions for development of “Centres for Excellence”.
- To consider issues related to regulatory, technology transfer, IPR and animal experimentation.
- Human resource and training in medical biotechnology for research and industrial workforce.
- Any other issues relating to strengthening biomedical research in the country.

Role of affiliated Body : Advisory

Structure and Member Composition :

1. Prof. P.N. Tandon **CHAIRMAN**
1, Jagriti Enclave, Vikas Marg,
Delhi –110092.
2. Dr. Kiran Mazumdar Shaw **CO-CHAIRMAN**
Chairman & Managing Director,
Biocon India Limited, 20th K.M. Housr Road, Electronic City,
Bangalore – 561229.
3. Prof. N.K. Ganguly **MEMBER**
Director General, Indian Council of Medical Research,
Ansari Nagar, New Delhi – 110029.
4. Prof. G. Padmanaban **MEMBER**
Emeritus Professor, Department of Biochemistry,
Indian Institute of Science, Bangalore – 560012.
5. Dr. Satyajit Rath **MEMBER**
Sr. Scientist, National Institute of Immunology,
Aruna Asaf Ali Marg, New Delhi – 110067.
6. Prof. V. I. Mathan **MEMBER**

Flat No.4, Shanthi, 15 Second Avenue,
Harrington Road, Chetpet, Chennai 600031.

7. Dr.S.S. Agarwal **MEMBER**
D-13, Vivekanandpuri, Lucknow- 226007.
8. Dr.K.K.Talwar **MEMBER**
Director, Professor & Head, D/o Cardiology,
Postgraduate Institute of Medical Education and Research,
PGIMER, Chandigarh – 160012.
9. Dr.Surekha Zingde **MEMBER**
Dy. Director,
Advanced Centre for Treatment, Research &
Education in Cancer, (ACTREC),
Tata Memorial Centre,
Kharghar, Navi Mumbai-410208.
10. Dr. C.S.Yagnik **MEMBER**
Director, Diabetes Unit,
K.E.M. Hospital and Research Centre,
Rasta Peth, Pune- 411011
11. Dr. Jayesh Bellare **MEMBER**
Professor,
Department of Chemical Engineering &
School of Biosciences & Bioengineering,
Indian Institute of Technology Bombay,
Biotechnology Centre, 1st Floor,
IIT Bombay, Powai, Mumbai –400076
12. Dr. M.G.Deo, **MEMBER**
Vice President
Moving Academy of Medicine and Biomedicine
C-13, Kubera Gulshan Apartments, D.P.Road
Aundh, Pune – 411004.
13. Dr. K. Vijay Raghavan **MEMBER**
Director, National Centre for Biological Sciences,
Tata Instt.of Fundamental Research,
GKVK Campus, Bangalore – 560 065.
14. Prof. P. Balaram **MEMBER**
Director, Indian Institute of Science,
Bangalore -560012.
15. Dr. S.P. Agarwal **MEMBER**
Director General,
Director General of Health Services,
Ministry of Health & Family Welfare,
Nirman Bhawan, New Delhi.

16. Dr.T. Jacob John **MEMBER**
439, Civil Supplies Godown Lane,
Kamalakshipuram, Vellore-632002.
17. Dr. Shahed Jameel **MEMBER**
Sr. Scientist & Group Leader, Virology Group,
International Centre for Genetic Engineering
and Biotechnology (ICGEB),
P.O.Box - 10504, Aruna Asaf Ali Marg,
New Delhi - 110 067.
18. Dr. Mammen Chandy **MEMBER**
Professor & Head, Deptt.of Haematology,
Christian Medical College, IDA Scudder Road,
Vellore 632 004.
19. Dr. Samir K.Brahmachari **MEMBER**
Director, Institute of Genomics & Integrative Biology,
Delhi University Campus,Mall Road, Delhi – 110007.
20. Dr. J. Gowrishankar **MEMBER**
Staff Scientist, Laboratory of Bacterial Genetics,
Centre for DNA Fingerprinting & Diagnostics,
ECIL Road, 4-87/1, Nacharam, Hyderabad - 500076
21. Dr. Pradeep Seth **MEMBER**
Ex-Professor (AIIMS)
CI-4, Ansari Nagar, New Delhi – 110029.
22. Dr. Vijay K. Chaudhary **MEMBER**
Professor, Department of Biochemistry,
University of Delhi (South Campus)
Benito Juarez Road, New Delhi –110021.
23. Dr.C.M.Gupta **MEMBER**
Director, Central Drug Research Institute,
Chattar Manzil Palace, P.O.Box No.173
Lucknow - 226 001.
24. Dr. Pravin Kini, Director, **MEMBER**
CytoGenomics India (P) Ltd.,
3004, 12A Main HAL, 2nd Stage,
Bangalore – 560008.
25. Prof. M. Bhandari, Vice Chancellor, **MEMBER**
Vice Chancellor, King George Medical University,
Chowk, Lucknow – 226003.
26. Dr. Bala S. Manian **MEMBER**
ReaMetrix India Pvt.Ltd., 50B, 2nd Phase, TVS Cross,
Peenya Industrial Area, Peenya, Bangalore – 560058

27. Dr. S.V.Kapre **MEMBER**
Executive Director, Serum Institute of India Ltd.
212/2, Hadapsar, Pune 411028.
28. Dr. Somesh Sharma, Chief Scientific Officer **MEMBER**
Nicholas Piramal India Limited
Nicholas Piramal Tower, Ganpatrao Kadam Marg,
Lower Parel, Mumbai - 400 013.
29. Dr. T.S. Balganesb **MEMBER**
Head of Research, AstraZeneca India Pvt. Ltd. (R&D)
Bellary Road, Hebbal, Bangalore - 560 024.
30. Dr. T.S. Rao, Adviser, DBT, New Delhi **Member Secretary**

Head of the Body : Prof. P.N.Tandon
Emeritus Professor,
1, Jagriti Enclave, Vikas Marg,
Delhi - 110092.

Address of main office and its Branches : Department of Biotechnology
M/o Science & Technology,
Block-2, CGO Complex, Lodi Road,
New Delhi – 110003.

Frequency of Meetings : Thrice in a year, based on the
requirement

Can public participate in the meetings? : No

Are minutes of the meetings prepared? : Yes

13. Scientific Advisory Committee Consortium on Micropropagation Research and Technology Development (SAC-CMRTD)

- Name and address of the Affiliated Body**

Scientific Advisory Committee Consortium on Micropropagation Research and Technology Development (SAC-CMRTD)

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

Established in July 2005

Objectives

To review and monitor the progress both physical and financial of the programme under the Consortium

To suggest strategies for better networking with the user agencies, state departments, extension agencies and industry

To identify and suggest new areas of activity to be initiated including expansion of ongoing programmes

To consider and recommend new proposals in the area

SAC will meet at least twice in a year or earlier if required

The terms of SAC will be for a period of three years or unless indicated otherwise.

- **Role of the Affiliated Body (Advisory / Managing / Executive/Others)**

Advisory

- **Structure and Member Composition**

Dr. P. S. Rao B-801, Shivanjan Apts., ITI Layout, Khthriguppe Main Road, Banashankari 3 rd state, Bangalore-560085	Chairman
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Dr. N.B Singh Agriculture Commissioner Department of Agriculture & Cooperation Ministry of Agriculture Krishi Bhawan, New Delhi.	Member
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Dr. M. L Choudhary Horticulture Commissioner Ministry of Agriculture Krishi Bhawan, New Delhi. Fax : 23384978	„
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Dr. P. S. Chandurkar Plant Protection Advisor Directorate of Plant Quarantine & Storage NH IV, Faridabad – 121 001.	„
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Dr. C. K. George
Adviser, Organic Agri-products and Exports Division ”
Peermade Development Society
Post Box II, Peermade – 685 531
Idukki Dist., Kerala.

Dr. Renu Swarup, Advisor, DBT

Member Secretary

- **Head of the Body**

Dr. P. S. Rao, B-801, Shivarajan Apts., ITI Layout, Khothriguppe Main Road,
Banashankari 3rd state, Bangalore-560085

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

Atleast twice a year or as frequently as required

- **Can public participate in the meetings?**

No

- **Are minutes of the meetings prepared?**

Yes

14. National Bioethics Committee

- Name and address of the Affiliated Body –

National Bioethics Committee

- Type of Affiliated Body (Board, Council, Committees, Other Bodies) - Committee

- Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities) –

Established in November 1999

Terms of Reference of the Committee are :

To consider any amendment(s) in the “Universal Declaration on Human Genome and Human Rights”.

To liaison with the “International Bio-ethics Committee” of UNESCO.

To consider and recommend all the proposals for Gene Therapy Research.

To develop guidelines for bio-ethics.

To monitor and review progress on “Gene Therapy Research” programme.

- Role of the Affiliated Body (Advisory / Managing / Executive / Others) – Advisory
- Structure and Member Composition –

As per the O.M. issued by the Department

- | | | |
|----|--|-----------------|
| 1. | Prof. P.N. Tandon
Emeritus Scientist
1, Jagriti Enclave, Vikas Marg,
New Delhi-110 092 | Chairman |
| 2. | Prof. G. Padmanaban
Emeritus Scientist
Department of Biochemistry
Indian Institute of Science
Bangalore – 560012 | Member |
| 3. | Dr. M.K. Bhan
Secretary,
Department of Biotechnology
New Delhi | Member |
| 4. | The Chairman,
University Grant Commission
Bahadur Shah Zafar Marg,
New Delhi - 110001. | Member |
| 5. | Dr. N.K. Ganguly
Director General
Indian Council of Medical Research
Ansari Nagar,
New Delhi-110029 | Member |
| 6. | Prof. H. Sharat Chandra,
Director
Centre for Human Genetics
G-04/05 Tech Park Mall, ITPL
Whitefield Road
Bangalore- 560066 | Member |
| 7. | Dr. S.S. Agarwal
<i>Ex-Director</i>
Advanced Centre for Treatment Research &
Education in Cancer (ACTREC)
D-13, Vivekanandpuri
Lucknow – 226007 | Member |
| 8. | Shri Rajiv Dhawan
Senior Advocate
Supreme Court of India,
New Delhi | Member |
| 9. | Prof. Partha Majumdar
Indian Statistical Institute
Kolkata | Member |

- | | | |
|-----|--|-------------------------|
| 10. | Dr. S.K. Brahamchari
Director,
Institute of Genomics and Integrative Biology ,
Mall Road, Delhi-110007 | Member |
| 11. | Shri D.R. Meena
Joint Secretary & Legal Adviser
Room No. 422A, 'A' Wing
4 th Floor, Shastri bhavan
New Delhi. | Member |
| 12. | Dr. T.S. Rao
Scientist 'G'
Department of Biotechnology
New Delhi | Member |
| 13. | Dr. (Mrs.) Alka Sharma
Scientist 'E'
Department of Biotechnology
New Delhi | <u>Member Secretary</u> |

- Head of the Body – Chairman
- Address of main office and its Branches – 6-8th floor, Block-2, Department of Biotechnology, Ministry of Science & Technology, Lodhi Road, New Delhi – 110 003
- Frequency of Meetings – 3-4 meetings per year
- Can public participate in the meetings? – No
- Are minutes of the meetings prepared? – Yes

15. Apex Committee of SBIRI (ACS)” under the new scheme “Small Business Innovation Research Initiative” for Public Private Partnership of the Department of Biotechnology.

- Name and address of the Affiliated Body –
Apex Committee of SBIRI (ACS)” under the new scheme “Small Business Innovation Research Initiative”
- Type of Affiliated Body (Board, Council, Committees, Other Bodies):
– Committee
- Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities) –
- Established in October, 2005 vide O. M. No. BT/04(SBIRI)/Main/2005-
PID date: 18th Oct., 2005
- Terms of Reference of the Committee are :

- i) To lay down the policy guidelines for utilization of ‘SBIRI’ funds for promoting early stage, pre-proof-of-concept research and development and commercialization of new indigenous biotechnology for societal needs.
- ii) To facilitate effective implementation of the scheme “Small Business Innovation Research Initiative (SBIRI)”.
- iii) To evolve procedures and mechanisms for generation of ideas/concepts/projects in biotechnology having national relevance.
- iv) To develop any other programme that facilitates the promotion of the objectives of the Scheme.
- v) To consider the projects recommended by Technical Screening Committee for support under this Scheme.
- vi) To suggest any modifications for improvement in the Scheme for achieving the objective of the Scheme successfully.

- Role of the Affiliated Body (Advisory / Managing / Executive / Others) – Advisory
- The tenure of this Committee is for a period of one year w.e.f. October, 2005 subject to revision at any time as per the need and directions of the competent authority.

- Structure and Member Composition –

- | | | |
|----|---|-------------|
| 1. | Dr. M. K. Bhan
Secretary, DBT, New Delhi | Chairman |
| 2. | Dr. G. Padmanaban,
Chairman, Technical Screening Committee of SBIRI and
Emeritus Scientist & Honorary Professor
Indian Institute of Science
Bangalore-560 012 | Co-Chairman |

Following members will be involved in discussion and finalizing the recommendations regarding providing funds under SBIRI to different projects, apart from the discussion on different policy issues.

- | | | |
|----|---|--------------------|
| 3. | The Secretary
Department of Science & Technology
Technology Bhawan
New Mehrauli Road, New Delhi-110 067 | or Nominee* Member |
| 4. | The Secretary
Ministry of Chemicals & Fertilizers
Department of Chemicals & Petrochemicals
'A' Wing, Shastri Bhavan
New Delhi – 110 001 | or Nominee* Member |
| 5. | The Secretary
Department of Health & Family Welfare
Nirmam Bhavan, New Delhi – 110 011 | or Nominee* Member |
| 6. | The Secretary
Department of AYUSH
Indian Red Cross Building | or Nominee* Member |

	New Delhi – 110 001		
7.	The Secretary Department of Agriculture & Cooperation Ministry of Agriculture, Krishi Bhawan, New Delhi – 110 001	or Nominee*	Member
8.	The Director General Council of Scientific & Industrial Research Anusandhan Bhavan, Rafi Marg, New Delhi – 110 001	or Nominee*	Member
9.	The Director General Indian Council of Medical Research P. Box No. 4911 Ansari Nagar, New Delhi – 110 029	or Nominee*	Member
10.	Shri R. C. Jhamtani Adviser Planning Commission Yojna Bhawan, New Delhi-110 001		Member
11.	Shri S. B. Krishnan Senior Adviser Technology Development Board Department of Science & Technology Technology Bhawan, New Mehrauli Road, New Delhi – 110 067		Member
12.	Shri. K.P. Pandian JS&FA, DBT, New Delhi		Member
13.	Dr. K.K. Tripathi Scientist 'G', DBT, New Delhi		Member
14.	Shri Onkar S. Kanwar President Federation of Indian Chambers of Commerce and Industry (FICCI) Federation House, Tansen Marg, New Delhi-110 001		Member
15.	Shri N. Srinivasan Director General Confederation of Indian Industry (CII) 23, Institutional Area Lodhi Road, New Delhi – 110 003		Member

* *not below the rank of Joint Secretary*

Following members will be involved in the discussion on policy issues related to the scheme SBIRI. They will not be a part of the discussion on individual projects and towards finalizing the recommendations regarding providing funds to different projects under SBIRI.

- | | | | |
|-----|--|-------------|------------------|
| 16. | The President
Association of Biotechnology Led Enterprises
(ABLE)
No. 13, 2 nd Floor, 4 th C Block, 10 th Main Road,
Koramangala, Bangalore-560 034 | or Nominee* | Member |
| 17. | The President
Indian Drug Manufacturers' Association (IDMA)
102-B, Poonam Chambers, Dr. A.B. Road,
Worli, Mumbai - 400 018 | or Nominee* | Member |
| 18. | The Secretary General
Indian Pharmaceutical Alliance (IPA)
C/o Vision Consulting Group
201 Darvesh Chambers
743, P.D. Hinduja Road
Khar, Mumbai-400 052 | or Nominee* | Member |
| 19. | The President
Indian Medical Association (IMA)
I.M.A. House, Indraprastha Marg,
New Delhi-110 002 | or Nominee* | Member |
| 20. | The President,
All India Biotech Association (AIBA)
“VIPPS CENTRE”
2, Local Shopping Centre
Block-EFGH, Masjid Moth
Greater Kailash-II, New Delhi-110 048 | or Nominee* | Member |
| 21. | The Managing Director
Indian Seed Industry Association
Nuziveedu Seeds Limited
7 th Floor, C-Block, 104, Surya Tower, S.P. Road
Secunderabad – 500 003 | or Nominee* | Member |
| 22. | Dr. (Mrs.) Suchita Ninawe
Scientist ‘E’, DBT, New Delhi | | Member-Secretary |

16. “Technical Screening Committee (TSC)” for implementation of the new scheme “Small Business Innovation Research Initiative” of the Department of Biotechnology.

- Name and address of the Affiliated Body –

- **Technical Screening Committee (TSC)” for implementation of the new scheme “Small Business Innovation Research Initiative” of the Department of Biotechnology.**
- Type of Affiliated Body (Board, Council, Committees, Other Bodies):
 - Committee
- Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities) –
- Constituted vide O. M. No. No.BT/04(SBIRI)/Main/2005-PID dated 18th Oct, 2005

- | | | |
|----|---|---------------------------|
| 1. | Dr. G. Padmanaban
Emeritus Scientist & Honorary Professor
Indian Institute of Science
Bangalore-560 012 | Chairman |
| 2. | Dr. C.M. Gupta
Director
Central Drug Research Institute
Chattar Manzil Palace
P.O. Box No. 173, Lucknow-226 001 | Vice Chairman |
| 3. | Dr. Syed Hasnain
Hyderabad-500 076 | Member |
| 4. | Dr. Girish Sahni
Director
Institute of Microbial Technology
Sector 39-A, Chandigarh – 160036 | Member |
| 5. | Dr. Rama Rao
Director
National Institute of Pharmaceutical Educational
and Research (NIPER) 2
Sector 67, SAS Nagar
Mohali- 160 062, Punjab | Member |
| 6. | Dr. Deepak Pental
Vice Chancellor
University of Delhi
Mall Road, Delhi – 110 007 | Member

contd. ...2 |
| 7. | Dr. V.M. Katoch
Director
Central JALMA Institute for Leprosy and Other Mycobacterial
Diseases
Tajganj, Agra – 282001 | Member |
| 8. | Dr. Sudhir Sopory
Group Leader
Plant Molecular Biology
International Centre for Genetic Engineering | Member |

- | | | |
|-----|---|----------------------|
| 19. | Dr. S. Natesh
Scientist 'G', DBT, New Delhi | |
| 20. | Dr. V. P. Gupta,
Scientist 'G', DBT, New Delhi | |
| 21. | Scientist 'G', DBT, New Delhi | |
| 22. | Dr. (Mrs.) Suchita Ninawe,
Scientist 'E', DBT, New Delhi | Member-
Secretary |

- The Terms of reference of this Committee would be as under:
 - i) To short-list the projects based on ideas generated through national consultations and received directly from industries.
 - ii) To suggest referees for short-listed projects for evaluation by the Area Experts.
 - iii) To re-consider the projects with rating above 5 by the referees.
 - iv) To identify and suggest the appropriate parties to be approached for transformation of selected ideas in the form of project proposal.
 - v) To suggest additional experts to act as Members of Project Refinement Workshop
 - vi) (PRW) for giving perfection to the project proposal.
 - vii) To re-consider the project proposal finalized by PRW for further recommendations to be made to the "Apex Committee on SBIRI".

The non-official members will be entitled to travel by air and DA will be paid as per Govt. rules. An honorarium of Rs. 2000/- per meeting will be paid to them.

The tenure of this Committee is for a period of one year w.e.f. October, 2005 subject to revision at any time as per the need and directions of the competent authority.

18. Steering Committee of National Bioresource Development Board (NBDB)

- **Name and address of the Affiliated Body**

Steering Committee of National Bioresource Development Board (NBDB)

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

The Steering Committee of National Bioresource Development Board was Reconstituted in March 2002

Objective:

- To screen project proposals for consideration of the Board.
- To establish effective linkages with all concerned Ministries and Departments, State Governments and NGOs.
- To develop appropriate documentation procedure and information network for bioresources.
- To monitor the projects and activities supported under the Board and present progress report to the Board.
- The Steering Committee would meet at least twice a year.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

Advisory

- **Structure and Member Composition**

(1)	Prof. A. K. Sharma, Kolkata	Chairman
(2)	Secretary, DBT	Co-chairperson
(3)	Secretary, DARE & Director General, ICAR or nominee	Ex-Officio Member
(4)	Secretary, DSIR & Director General, CSIR or nominee	„
(5)	Secretary, Ministry of Environment & Forests or nominee	„
(6)	Secretary, DA&C or nominee	„
(7)	Secretary, DST or nominee	„
(8)	Director, Botanical Survey of India	„
(9)	Director, Zoological Survey of India	„
(10)	Prof. M. Chandrasekaran Department of Biotechnology, Cochin University of Science & Technology, Kochi	Expert Member
(11)	Dr. Tapan Chakrabarti, IMTECH, Chandigarh	„
(12)	Dr. S. S. Handa, Former Director, Regional Research Laboratory, Jammu	„
(13)	Prof. A. K. Kaul, University of Jammu, Jammu	„
(14)	Dr. K. Nazeem, KAU, Kerala	„
(15)	Prof. K. R. Shivanna, University of Delhi Delhi	„
(16)	Prof. V.S. Hegde, Dept. of Space, Bangalore	„
(17)	Prof. Asis Datta, NCPGR, New Delhi	„
(18)	Dr. R. Saha, Adviser, DST, New Delhi	„
(19)	Dr. S. K. Sharma, Dept. of Indian Systems of Medicine & Homoeopathy, New Delhi	„
(20)	Dr. P. Das, RPRC, Bhubaneswar	„
(21)	Dr. Narendra Bhat Bioved Pharmaceutical Pvt. Ltd., Pune	„
(22)	Dr. M. C. Gopinathan EID Parry, Bangalore	„

- | | | |
|------|---|-------------------|
| (23) | Dr. Suman Sahai
Gene Campaign, New Delhi | ” |
| (24) | Dr. Anil Joshi, HESCO, Dehra Dun | ” |
| (25) | JS&FA, DBT | Ex-officio Member |
| (26) | Adviser, DBT | Member Secretary |

- **Head of the Body**

Prof. A. K. Sharma, Kolkata

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- **Frequency of Meetings**

Twice in year

- **Can public participate in the meetings?**

No

- **Are minutes of the meetings prepared?**

Yes

19. Patent Screening Committee

- Type of Affiliated Body (Board, Council, Committees, Other Bodies)

Committee

- Brief Introduction of the Affiliated Body (Establishment year, objective/main activities)

Established in 1995-96 within DBT.

Objective/main activities

- To protect the products of intellectual property of Indian Scientists.
- To review and recommend applications received for patent filing.
- To recommend for organizing special popularization seminars and trainings on Biotechnology patenting.
- To evolve and recommend R&D proposals in patents.
- All the information discussed during the proceeding of PSC is confidential.

Role of the Affiliated Body (Advisory/Managing/Executive/Others)

Structure and Member composition

Dr. Sandip K. Basu, Prof.of Emeritus, NII	- Chairman
Prof. Vijay Chaudhury, Delhi University	- Member
Dr. S. Natesh, Scientist 'G', DBT	- Member
Dr. V.P. Gupta, Scientist 'G', DBT	- Member
Dr. Seema Wahab, Scientist 'G', DBT	- Member
Dr. K. K. Tripathi, Scientist 'G', DBT	- Member
Concerned Scientist dealing with the subject	- Speical Invitee
Dr. R. Saha, Scientist 'G', DBT	- Member
Ms. Prachi Saroop, Director, DBT	- Member
Dr. R.K. Gupta, Head, IPMD, CSIR	- Member
Sh. C.M. Gaind, Manager, IPR, NRDC	- Member

1. Task Force in the area of Agricultural Biotechnology.

- **Name and address of the Affiliated Body**

Task Force in the area of Agricultural Biotechnology.

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Task Force

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

The department constituted an expert group in the area of crop biotechnology for advise/suggestions of new research areas relevant to national needs. It also periodically review the ongoing programmes and suggest mid-course correction if any so as to achieve the desired targets.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

To consider new R&D projects in the emerging areas with an emphasis to develop transgenic plants with superior agronomical traits, yield and nutritional quality improvement. Also to review the ongoing R&D projects in the area of Crop Biotechnology and also the progress in project mode support provided at 4 institutions. To review the progress in implementation of multi-institutional projects and also to initiate such more projects of national importance and also to streamline and facilitate expeditious implementation of projects.

- **Structure and Member Composition**

The Task Force is lead by an eminent scientist in the area of Agriculture Biotechnology. The committee has 10-12 other members from different institutions including advisor from DBT and having expertise in related disciplines. There are 1-2 ex-officio members from concerned Ministry/Deptt. The composition of the Task Force is as below:-

1. Dr. S. Nagarajan, Director, IARI, New Delhi	Chairman
2. DDG, (Crop Sciences), ICAR, New Delhi	Member
3. Dr. P.K. Ranjekar, NCL, Pune	”
4. Prof. M.M. Johri, TIFR, Mumbai	”
5. Prof. Deepak, Pental, UDSC, New Delhi	”
6. S.M.L. Paul Khurana, CPRI, Simla	”
7. Prof. A.R. Reddy, UOH, Hyderabad	”
8. Dr. V.S. Reddy, ICGEB, New Delhi	”
9. Prof. R.G. Saini, Director, Biotechnology Centre, PAU, Ludhiana	”
10. Dr K.R.Dhiman, Divi. of Plant Breeding, NEH, , Meghalaya	”
11. Dr. M.S.Kuruvinashetti, UAS, Dharwad	”
12. Dr. V.P. Gupta, Adviser, DBT	”
13. Dr. R.R. Sinha, Adviser, DBT	Member Secretary
14. Dr. K.S. Charak, Adviser	Member Secretary

- **Head of the Body**

Dr. S. Nagarajan, Director, IARI, New Delhi

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

- **Frequency of Meetings**

2-3 meetings each year

- **Can public participate in the meetings?**

Yes if it is of their interest

- **Are minutes of the meetings prepared?**

Yes

2. **Task Force on Biotechnology for Medicinal and Aromatic Plants**

- **Name and address of the Affiliated Body**

Task Force on Biotechnology for Medicinal and Aromatic Plants

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

The terms of the reference of the above Task Force will be as follows:-

- (i) To identify new and gap areas in Biotechnology for Medicinal and Aromatic Plants
- (ii) To consider/generate specific product-oriented projects
- (iii) To recommend project proposals for funding
- (iv) To critically examine/monitor the progress of the on-going projects vis-à-vis the objectives and milestones and to recommend corrective measures as and when required
- (v) To recommend on-the-spot evaluation/site visit as and when required
- (vi) The Task Force would meet once in six months or more frequently, if deemed necessary
- (vii) The term of the Task Force will be for a period of three years from the date of issue of this O.M.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

As above

- **Structure and Member Composition**

- (i) Prof. S. S. Handa, Chairman
Executive Villa 522 – A,
Block – C, Sushant Lok – I
Gurgaon – 122 002 (Haryana)
- (ii). Dr. M. R Heble Member
Scientific Advisor,
The Kelkar Education Trust's
Scientific Research Centre, V.G.Vaze College
Mithagar Road,
Mulund (East), Mumbai – 600081
- (iii) Dr. D. S. Bhakuni, Member
C – 132, Nirala Nagar,
Lucknow – 226 020 (U.P)
- (iv). Dr. P.S. Ahuja Member
Director,
Institute of Himalayan Bioresources Technology,
P.O.Box 6, Palampur – 176061 (H.P)
- (v). Prof. P. Rama Rao, Member
Director,
National Institute of Pharmaceutical
Education and Research,
Sector 67, S.A.S. Nagar
Punjab – 160 062
- (vi). Prof. Y. K. Gupta, Member
Department of Pharmacology,
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi – 110 029
- (vii) Prof. J. P. Khurana, Member

- Department of Plant Molecular Biology,
University of Delhi, South Campus,
Benito Juarez Road,
New Delhi – 110 021
- (viii) Dr. C. K. Katiyar, Member
Director,
Herbal Drug Research,
Ranbaxy Research Laboratory,
R&D-II, Plot No.20, Sector-18,
Udyog Vihar Industrial Area,
Gurgaon – 122 001
- (ix) Dr. Amit Agarwal, Member
Director – R&D,
R& D Centre, Natural Remedies,
Plot No – 5 B,
Veerasandra Industrial Area,
19th K. M. Stone, Hosur Road,
Bangalore – 561229
- (x) Dr. M. Sanjappa, Member
Director,
Botanical Survey of India,
CGO Complex, 3rd MS Building,
Block F, DF Block, Salt Lake City,
Kolkata – 700 064
- (xi) Dr. Urmila M. Thatte, Member
Professor and Head,
Deptt. of Clinical Pharmacology,
TN Medical College & B. Y. L.
Nair Charitable Hospital,
Dr. A. L. Nair Road, Mumbai Central,
Mumbai – 400 008
- (xii) Dr. Ramesh V. Sonti, Member
Scientist,
Centre for Cellular and Molecular Biology,
Uppal Road, Hyderabad – 500 007
- (xiii) Dr. S. Natesh, Member
Scientist 'G',
Department of Biotechnology,
Ministry of Science & Technology,
New Delhi – 110 003
- (xiv) Dr. Mohd. Aslam, Member-Secretary
Director,
Department of Biotechnology,
Ministry of Science & Technology,
New Delhi – 110 003
- **Head of the Body**
Prof. S. S. Handa, Chairman
Executive Villa 522 – A,

- **Address of main office and its Branches**

Department of Biotechnology, Ministry of Science & Technology, Block –2, CGO Complex, New Delhi- 110 003

- **Frequency of Meetings**

The Task Force would meet once in six months or more frequently, if deemed necessary

- **Can public participate in the meetings?**

Only experts in the area are participating in these meetings

- **Are minutes of the meetings prepared?**

Yes

3. **Task Force on Seribiotechnology**

- **Name and address of the Affiliated Body**

Task Force on Seribiotechnology

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Committee

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

The terms of the reference of the above Task Force will be as follows:-

- (a) To identify new and gap areas in Seribiotechnology
- (b) To consider/generate specific product-oriented projects
- (c) To recommend project proposals for funding
- (d) To critically examine/monitor the progress of the on-going projects vis-à-vis the objectives and milestones and to recommend corrective measures as and when required
- (e) To recommend on-the-spot evaluation/site visit as and when required

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

As above

- **Structure and Member Composition**

1. Prof. K. P. Gopinathan,

Chairman

- Department of Microbiology & Cell Biology,
Indian Institute of Science,
Bangalore – 560 012
2. Dr. Rakesh Tuli, Member
Director,
National Botanical Research Institute,
Rana Pratap Marg,
Lucknow – 226 001
 3. Prof. H. A. Ranganath, Member
Department of Studies in Zoology,
University of Mysore, Manasgangotri,
Mysore – 570 006
 4. Dr. L. S. Shashidhara, Member
Scientist
Centre for Cellular & Molecular Biology,
Uppal Road, Hyderabad – 500 007
 5. Dr. S. B. Dandin, Member
Director,
Central Sericulture Research and Training Institute,
Manandavadi Road, Srirampura,
Mysore – 570008
 6. Dr. T. H. Somshekhar, Member
Director,
Central Silk Technology Research Institute,
CSB Complex, BTM Layout,
Madivala, Bangalore – 560 068
 7. Prof. M. L. Gulrajani, Member
Department of Textile Technology,
Indian Institute of Technology,
Hauz Khas, New Delhi – 110 016
 8. Prof. M. Udaya Kumar, Member
Department of Crop Physiology,
University of Agricultural Sciences,
GKVK Campus, Bangalore – 560 065
 9. Director (Technical) Member
Central Silk Board, CSB Complex, BTM Layout, (Ex-officio)
Madivala, Bangalore – 560 068
 10. Dr. Kiran K. Sharma, Member
Principal Scientist,
Genetic Transformation Laboratory,
International Crops Research Institute for the
Semi-Arid Tropics (ICRISAT),
Patancheru - 502324, Andhra Pradesh
 11. Prof. K. V. A. Ramaiah, Member
Department of Biochemistry,

- School of Life Sciences,
University of Hyderabad,
Hyderabad - 500 046
12. Dr. S. Natesh, Member
- Scientist 'G',
Department of Biotechnology,
Ministry of Science & Technology,
New Delhi – 110 003
13. Dr. Mohd. Aslam, Member-Secretary
- Director,
Department of Biotechnology,
Ministry of Science & Technology,
New Delhi – 110 003
- **Head of the Body**
Prof. H. Y. Mohan Ram, Chairman
194-SFS DDA Flats, S. P. Mukherji Nagar,
Delhi – 110 009

- **Address of main office and its Branches**

Department of Biotechnology, Ministry of Science & Technology, Block –2, CGO Complex, New Delhi- 110 003

- **Frequency of Meetings**

The Task Force would meet once in six months or more frequently, if deemed necessary

- **Can public participate in the meetings?**

Only experts in the area are participating in these meetings

- **Are minutes of the meetings prepared?**

Yes

4. Human Resource Development

Name and Address of the Affiliated Body:

DBT-UGC Task Force on Human Resource Development

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Task Force

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

Establishment Year: January, 2003

Objectives:

- To advise the Deptt. On the issues related to Human Resource Development in multi disciplinary area of Biotechnology.
- To examine new Biotechnology teaching proposals received by the Department as well as by UGC and Offer their expert comments/recommendations for funding the recommended proposals.
- To review ongoing teaching courses In the country
- To advise the Deptt. for starting newer Courses in Biotechnology

Role of the Affiliated Body (Advisory / Managing / Executive / Others):

Advisory

• **Structure and Member Composition:**

- | | | | |
|-----|---|---|-------------|
| 1) | Prof. Akhilesh K. Tyagi, Delhi University | - | Chairperson |
| 2) | Prof. S. C. Lakhota, BHU, Varanasi | - | Member |
| 3) | Prof. G. K. Garg, G.B. Pant University, Pant Nagar | - | Member |
| 4) | Prof. (Mrs.) Suraksha Agrawal, SGPGI, Lucknow | - | Member |
| 5) | Dr. T Balasubramanian, Annamalai Univ. Parangipettai, | - | Member |
| 6) | Prof. P. Ghosh, Birla Science Centre, Jaipur | - | Member |
| 7) | Dr. Pradip Sinha, IIT, Kanpur | - | Member |
| 8) | Prof.(Mrs.) Ritu Barthwal, IIT Roorkee | - | Member |
| 9) | Dr. J. S. Pai, PFNDPAI, Mumbai; | - | Member |
| 10) | Dr. J.R. Bellare, IIT, Mumbai | - | Member |
| 11) | Dr. Y. D. Sharma, AIIMS, New Delhi | - | Member |
| 12) | Prof. K. V. Peter, KAU, Thrissur | - | Member |
| 13) | Dr. M. L. Lodha, IARI, New Delhi | - | Member |

UGC REPRESENTATIVES/NOMINEES

- | | | | |
|-----|---|---|------------------|
| 14) | Dr. N. K. Jain, JS, UGC, New Delhi | - | Member |
| 15) | Prof. Ajit Sodhi, BHU, Varanasi | - | Member |
| 16) | Prof. K. Dharmalingam, Madurai Kamraj University, Madurai | - | Member |
| 17) | Prof. R. N. K. Bamezai, JNU, New Delhi | - | Member |
| 18) | Shri S. L. Govindwar, Adviser, DBT | - | Member Secretary |

Head of the Body :

Prof. Akhilesh Tyagi, Chairman

• **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

• **Frequency of Meetings :**

2-3 meetings in a year

Can public participate in the meetings ?

No

Are minutes of the meetings prepared ?

Yes

5. Bioinformatics

Name and Address of the Affiliated Body:

Bioinformatics Task Force

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Committee

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

The task force reviews the programmes undertaken by the Department related to the area of Bioinformatics.

Role of the Affiliated Body (Advisory / Managing / Executive / Others):

Advisory

• **Structure and Member Composition:**

Chairperson	
	Prof. A.S.Kolaskar Vice-Chancellor, Pune University Pune.
Members	
	Dr. N. Vijayaditya Director-General, National Informatics Centre, New Delhi
	Prof. N. Balakrishnan Head, SERC, Indian Institute of Science, Bangalore
	Dr. A.K.Chakravarty Advisor, Dept. Of Electronics, Ministry of Information Technology, New Delhi

	Dr. M.D.Tewari Director, IIIT, Nehru Science Centre, Kamla Nehru Road, Allahabad-211002
	Prof. Alok Bhattacharya Bioinformatics Centre, Jawaharlal Nehru University, New Delhi
	Prof. B. Jayaram Department of Chemistry, Indian Institute of Technology, New Delhi
	Prof. A.R.Thakur Pro-Vice Chancellor, Jadvpur University, Jadavpur, Kolkata-700032
	Dr. Pinakpani Chakrabarti Department of Biochemistry Bose Institute P-1/12, Centenary Building CIT Scheme 7M Kolkata – 700 054
	Prof. M. N. Murthy Molecular Biophysics Unit Indian Institute of Science Bangalore – 560 012.
	Prof. Pramod Tandon Plant Biotechnology Laboratory Department of Botany North Eastern Hill University Shillong – 793 022
	Shri. U N Behera Chief Vigilance Officer, Delhi Development Authority, Vikas Sadan, New Delhi
	Dr. P. Gautam Center for Biotechnology, Anna University, Sardar Patel Road Guindy, Chennai-600025
Member Secretary	
	Dr. T. Madan Mohan Adviser Dept. of Biotechnology New Delhi

Head of the Body :

Prof. A.S.Kolaskar, Vice-Chancellor, Pune University, Pune.

- **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings :**

Quarterly

Can public participate in the meetings ?

The Task Force Committee members and investigators shall participate in the meeting.

Are minutes of the meetings prepared ?

Yes

6. Aquaculture and Marine Biotechnology

Name and Address of the Affiliated Body:

Task Force on Aquaculture and Marine Biotechnology
Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Task Force

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

The Task Force Committee was established since 1990 to monitor and review the progress of the ongoing projects and suggest mid-course correction - wherever necessary, to recommend new proposals to department for financial support up to the cost of Rs. 1 crore, suggest priority areas, formulate project formulation groups and relevant project evaluation/monitoring activities in the subject area of Aquaculture and Marine Biotechnology.

Role of the Affiliated Body (Advisory / Managing / Executive / Others):

Recommending Body for accepting the proposals by the department for funding support.

- **Structure and Member Composition:**

1. **Dr. S. Ayyappan**, DDG (Fy.), ICAR, Krishi Anusandhan Bhawan—II, Dr. KS Krishnan Marg, IARI Campus, PUSA, New Delhi – 110012 **Chairman**

2.	Dr. K. C. Majumdar , Scientist E—II, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad – 500007	Member
3.	Dr. Deepti Deobagkar , Prof. & Head, Dept. of Zoology, Pune University, Ganeshkind, Pune – 411007	Member
4.	Dr. M. Chandrasekaran , Professor, Department of Biotechnology, Cochin University of Science & Technology, Cochin – 682022	Member
5.	Dr. Dilip Kumar , Director, Central Institute of Fisheries Education, JP Road, Seven Bungalows, Versova, Mumbai – 400061	Member
6.	Dr. A. G. Ponniah , Director, Central Institute of Brackishwater Aquaculture, 75, Santhome High Road, R.A. Puram, Chennai – 600028	Member
7.	Dr. N. Sarangi , Director, Central Institute of Freshwater Aquaculture, PO-Kausalyaganga, Bhubaneswar – 751002	Member
8.	Dr. Anil Chatterjee , Scientist 'F', National Institute of Oceanography, Dona Paula, Goa – 403004	Member
9.	Dr. Dinkar Sahal , Senior Research Scientist, Malaria Research Laboratory, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Road, New Delhi – 110067	Member
10.	Dr. Aparna Dixit , Professor, Centre for Biotechnology, Jawaharlal Nehru University, Aruna Asaf Ali Road, New Delhi – 110067	Member
11.	Dr. K. Riji John , Associate Professor, Department of Aquaculture, Fisheries College & Research Institute, Tuticorin – 628008	Member
12.	Dr. K. O. Isaac , Chairman & Managing Director, Abl Biotechnologies Limited, 55, 3 rd East Street, Kamaraj Nagar, Thiruvannamiyur, Chennai – 600041	Member
13.	Shri Y. C. Thampi Samraj , Project Director, Rajiv Gandhi Centre for Aquaculture, (MPEDA, Ministry of Commerce & Industry, Govt. of India), 5/133 Hidayath Complex, 1 st Floor, Main Road, Thirumullaivasal – 609113, Sirkali Tk, Nagapattinam District (Tamil Nadu)	Member
14.	Shri P. Madeswaran , Scientist – E, Department of Ocean Development, Mahashagar Bhawan, Block 12, CGO Complex, Lodhi Road, New Delhi – 110003	Member
15.	Dr. R. R. Sinha , Advisor, DBT	Member
16.	Dr. A.S. Ninawe , Adviser, DBT	Member-Secretary

2. The terms of reference of the Task Force will be as follows:
 - i) To consider new proposals for funding (up to Rs. 100 lakh), review ongoing, extension and completed projects and suggest mid-course correction, wherever necessary
 - ii) To suggest new areas and programmes of national and international relevance
 - iii) To suggest organizing specialized brainstorming/workshops/group discussions in focused areas identified
 - iv) To act as special project formulation group in the identified areas, wherever necessary
 - v) To consider any other matter related to the subject area
3. The tenure of this Committee will be for a period of three years. The committee would meet twice/thrice in a year. Whenever necessary, other experts will also be invited as special invitees.
4. TA/DA of the non-officials for attending the Task Force Meeting including site visits of the Members, if felt essential, will be paid as per the Govt. rules.
5. This issues with the approval of Secretary, DBT.

Head of the Body :

Dr. S. Ayyappan, DDG (Fy.), ICAR, Krishi Anusandhan Bhawan—II, Dr. KS Krishnan Marg, IARI Campus, PUSA, New Delhi – 110012

• Address of main Office and its Branches :

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road, New Delhi – 110 003

• Frequency of Meetings :

Two-three times in a year.

Can public participate in the meetings ?

The participation is restricted to the project investigators and special invitees.

Are minutes of the meetings prepared ?

Detailed minutes of the meeting are regularly prepared and circulated to all the members after its approval by the Chairman of the Committee.

7. Biotech-based Programmes for SC/ST and Rural Population**Name and Address of the Affiliated Body:**

Task Force on Biotech-based Programmes for SC/ST and Rural Population
Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees & other Bodies):

Task Force

Brief introduction of the Affiliated Body (Establishment Year, Objective/Main Activities) :

The Task Force Committee was established since 1995 to identify the problems of SC/ST community and rural population and to address their issues through development and implementation of the projects by making use of locally available resources, to identify proven and field-tested technologies for demonstration/application for the benefit of target population, to recommend new proposals to department for financial support up to the cost of Rs. 1 crore, review ongoing projects and suggest mid-course correction - wherever necessary and to take a decision on organization of specialized brainstorming/workshops/group discussions in focused areas as per the priority in the subject area of Biotech-based Programmes for SC/ST and Rural Population.

Role of the Affiliated Body (Advisory / Managing / Executive / Others):

Recommending Body for accepting the proposals by the department for funding support.

• **Structure and Member Composition:**

- | | | |
|-----|---|-------------------------|
| 1. | Dr. M. Mahadevappa
Ex-Chairman – ASRB
1576, 1 Cross,
Chandra Layout,
Bangalore-560040 | Chairman |
| 2. | Dr. P. Pushpangadan
Director General
Amity Institute for Herbal & Biotech Products Development,
C/o Rajiv Gandhi Centre for Biotechnology Campus,
Thycaud P.O, Poojappura,
Trivandrum – 695014, Kerala | Member /
Co-chairman |
| 3. | Dr. G. K. Garg
Professor and Head
Dept. of Molecular Biology and Genetic Engineering,
G.B. Pant University of Agriculture and Technology,
Pantnagar—263145 | Member |
| 4. | Dr. Mahtab S. Bamji
Emeritus Scientist
Dangoria Charitable Trust,
1-7-1074, Musheerabad,
Hyderabad—500020 | Member |
| 5. | Dr. L. Krishnan
Central Marine Fisheries Research Institute,
Tatapuram, Cochin—682014 | Member |
| 6. | Dr. B.S. Hansra
Director
School of Agriculture,
Indira Gandhi National Open University,
New Academic Complex,
Maidan Garhi, New Delhi – 110068 | Member |
| 7. | Dr. Narayan G. Hegde
President
BAIF Development Research Foundation,
Dr. Manibhai Desai Nagar,
Warje, Pune – 411058 | Member |
| 8. | Dr. Anil P. Joshi
Director
Himalayan Environmental Studies & Conservation Organization
(HESCO), Vill.-Ghisadpadi,
P.O. Mehuwala Via Majra, Dehradun—248001 | Member |
| 9. | Dr. D. Padmanaban
Managing Trustee
GRD Educational Trust,
Kalaikathir Building, Avanashi Road,
Coimbatore – 641037 | Member |
| 10. | Dr. Ajay Parida
Principal Scientist
MSSRF, III Cross Road,
Taramani Institutional Area,
Chennai—600113 | Member |

11. Dr. Maroti A. Upare Former GM - NABARD, A – 502, Anaxit Apts., Thakur Complex, Kandivili (East), Mumbai – 400101	Member
12. Smt. Surendra Jain, Assistant Technical Advisor, Food and Nutrition Board, Jeevan Deep Building, New Delhi—110001	Member
13. Dr. R. R. Sinha, Advisor, DBT	Member
14. Dr. A. S. Ninawe, Adviser, DBT	Member Secretary

Terms of reference:

- i) To identify the problems of SC/ST community and rural population and to address their issues through development and implementation of the projects by making use of locally available resources
- ii) To identify proven and field-tested technologies for demonstration/application for the benefit of target population
- iii) To consider new proposals for funding, review ongoing projects and suggest mid-course correction, wherever necessary
- iv) To organize specialized brainstorming/workshops/group discussions in focused areas as per the priority
- v) The Task Force would be reconstituted for a period of three years
- vi) TA/DA of the non-officials for attending the Task Force Meeting including site visits of the Task Force Members will be paid as per the Govt. rules

This issues with the approval of the Secretary, Department of Biotechnology.

Head of the Body :

Dr. M. Mahadevappa, Ex-Chairman – ASRB, 1576, 1 Cross, Chandra Layout,
Bangalore-560040

• **Address of main Office and its Branches :**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

• **Frequency of Meetings :**

Two-three times in a year

Can public participate in the meetings ?

The participation is restricted to the project investigators (including the representatives from non-government organizations) and special invitees.

Are minutes of the meetings prepared ?

Detailed minutes of the meeting are regularly prepared and circulated to all the members after its approval by the Chairman of the Committee.

8. Task Force On Infrastructure & Centres Of Excellence

Centres of Excellence

The DBT has initiated a programme during 2005-06 to augment and strengthen institutional research capacity in areas of Biotechnology through support for establishment of Centres of Excellence. The objective of programme are (a) to strengthen an institutions research infrastructure through the establishment of a thematic research centre with multi-disciplinary research effort, and (b) to enhance the ability of investigators to compete independently for complementary individual research grant. The letters of intent (concept note) for the centres are being invited through an open advertisement. The letter of intent (concept note) are being evaluated by a "Departmental Screening Committee (DSC)". The short-listed letters of intent (concept note) based on scientific merit are invited as full proposals. The full proposals are peer reviewed and evaluated by the Programme Advisory Committee (PAC). The proposals recommendations by PAC are being considered for financial support by the Department.

Composition of Programme Advisory Committee (PAC) for the "Centres of Excellence in areas of Biotechnology

- | | | |
|-------|--|----------|
| (i) | Prof. G. Padmanaban
Emeritus Scientist & Honorary Professor,
Indian Institute of Science
Bangalore – 560012 | Chairman |
| (ii) | Prof. P. N. Tandon
1, Jagriti Enclave, Vikas Marg
Delhi -110092. | Member |
| (iii) | Prof. A. K. Sharma
Deptt. of Botany
Calcutta University
35, Ballygunge Circular Road
Calcutta – 700019. | Member |
| (iv) | Dr. S. K. Basu
Prof. of Eminence,
National Instt. of Immunology
Aruna Asaf Ali Road
New Delhi – 110 067 | Member |
| (v) | Dr. A. Surolia,
Director
National Instt. of Immunology
Aruna Asaf Ali Road
New Delhi – 110 067 | Member |
| (vi) | Prof. N. K. Ganguly
Director General
Indian Council of Medical Research
Ansari Nagar, Post Box No. 4911
New Delhi – 110 029. | Member |

- | | | |
|--------|---|------------------|
| (vii) | Prof. Raghavendra Gadagkar
Centre for Ecological Sciences
Indian Instt.of Science
Bangalore – 560 012. | Member |
| (viii) | Dr. Sudhir K. Sopory,
Senior Scientist,
International Centre for Genetic Engineering
And Biotechnology (ICGEB),
Aruna Asaf Ali Marg, New Delhi – 110 067 | Member |
| (ix) | Dr. S. Nagarajan
Chairperson,
Protection of Plant Varieties and
Farmers' Rights Authority,
Ministry of Agriculture, DOAC,
NASC Complex, DPS Marg Todapur,
New Delhi – 110 012 | Member |
| (x) | Dr. D. Balasubramanian,
Director of Research,
LV. Prasad Eye Institute,
LV Prasad Marg, Banjara Hills,
Hyderabad – 500 -034 | Member |
| (xi) | Prof. K. Dharmalingam
Head & Sr. Prof.,
Dept. of Genetic Engineering,
School of Biotechnology,
Madurai Kamaraj University,
Madurai – 625 021. | Member |
| (xii) | Dr. Rama Mukherjee,
Director,
Dabur Research Foundation,
22, site-IV, Sahibabad,
Ghaziabad – 202 010 | Member |
| (xiii) | Dr. S. Natesh,
Scientist 'G',
Deptt. of Biotechnology,
Ministry of Science and Technology,
CGO Complex, Lodhi Road,
New Delhi – 110 003 | Member |
| (xiv) | Dr. Mohd. Aslam,
Scientist – F,
Deptt. of Biotechnology,
Ministry of Science and Technology,
CGO Complex, Lodhi Road,
New Delhi – 110 003 | Member-Secretary |

- **Name and address of the Affiliated Body**

Task Force On Infrastructure & Centres Of Excellence

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Task Force

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

Reconstituted in 2002. To recommend, review and monitor projects under the Infrastructure and Centres of Excellence programme.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

Advisory

- **Structure and Member Composition**

Chairman

Prof. K. Dharmalingam,
School of Biotechnology,
Madurai Kamraj University, Madurai-625021

Members

Prof. S.C. Lakhota
Deptt. Of Zoology
Banaras Hindu University,
Varanasi -221005

Dr. Jayant Chatterjee
Deptt. Of Industrial & Management Engineering
Indian Institute of Technology,
Kanpur -208016

Prof. R.V.Hosur,
Deptt. of chemical Sciences,
Tata Institute of Fundamental Research,
Colaba
Mumbai-400005

Prof. T.P. Singh
Deptt of Biophysics
All India Institute of Medical Science,
Ansari Nagar,
N.Delhi -110029

Prof. M.Vijayan,

Associate Director
Indian Institute of Science,
Bangalore-560012

Dr. O.P. Agarwal
Adviser,
CSIR,Rafi Marg
N.Delhi -110001

Dr. R.C.Srivastava
Adviser, DST
Technology Bhawan
New Delhi-110016

- **Head of the Body**

Chairperson, Prof. K.Dharmalingam, MKU, Madurai

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

2-3 meetings each year

- **Can public participate in the meetings?**

No

- **Are minutes of the meetings prepared?**

Yes

9. **Task Force on Animal Biotechnology**

- **Name and address of the Affiliated Body** – Task Force on Animal Biotechnology, Department of Biotechnology, Govt. of India, Block No. 2, CGO Complex, Lodi Road, New Delhi - 110 003
- **Type of affiliated body (Board, Council, Committees, Other Bodies)** – Committee (Animal Biotechnology)
- **Brief introduction of the Affiliated Body (Establishment year, Objectives / Main Activities)** – Committee was established in 1990 and it was reconstituted after every three years. Current Task Force was reconstituted in April, 2003.

Objectives / main activities of the committee are as follows :

- I. To suggest new areas for research and also to generate new programme, wherever necessary.

- II. To monitor and review the progress of ongoing R&D projects.
- III. To consider new projects for financial support.
- IV. To identify potential technologies for further research and up-scaling.
- V. To strengthen the technology transfer and commercialization aspect.
- VI. To act as special project formulation group in some of the identified areas, if necessary.
- VII. To establish linkages with other Science Departments and other Socio-economic ministries.
- VIII. To consider any other matter related to the subject area.

Role of the Affiliated Body (Advisory / Managing/ Executive / Others) – Advisory and recommending

Structure and member composition:

- | | | |
|----|---|-------------|
| 1. | Prof. P. N. Bhat
102 A/D-I, Satya Marg,
Chankya Puri, New Delhi- 110021. | Chairman |
| 2. | Dr. Lalji Singh
Director,
CCMB, Uppal Road,
Hyderabad 500 007. | Co-Chairman |
| 3. | Prof. M. P. Yadav
Vice-Chancellor
Sardar Vallabh Bhai Patel University of Agri. & Tech.
Meerut –250110 | Member |
| 4. | Dr. Sudhansu Vрати
Scientist
National Institute of Immunology,
Aruna Asaf Ali Marg, New Delhi-110 067 | Member |
| 5. | Dr. Shahid Jameel
Leader, Virology Group
ICGEB, Asaf Ali Marg
New Delhi-110 067 | Member |
| 6. | Prof. Nagendra Sharma
Vice-Chancellor,
SKUAST, Rail Head Complex, | Member |

- | | | |
|-----|---|--------|
| 7. | Dr. Sher Ali
Chief, Molecular Genetics Laboratory
National Institute of Immunology
Aruna Asaf Ali Marg, New Delhi- 110 067 | Member |
| 8. | Prof. Rakesh Bhatnagar
Centre for Biotechnology,
Jawaharlal Nehru University
New Delhi-110 067 | Member |
| 9. | Prof. M.S. Shaila
Department of Microbiology & Cell Biology
Indian institute of Science,
Bangalore 560012 | Member |
| 10. | Dr. Rajeev Raman
Dept. of Zoology
Banaras Hindu University
Varanasi-221 005 | Member |
| 11. | Dr. S.P.S. Ahlawat
Director
National Bureau of Animal Genetic Resources
Karnal-132 001, Haryana | Member |
| 12. | Dr. A. T. Sherikar
Vice-Chancellor,
MAFSU, Seminary Hills, Nagpur-440 006 | Member |
| 13. | Prof. Rajvir Singh
Director,
Central Avian Research Institute,
Izatnagar- 243 122, Bareilly | Member |
| 14. | Dr. K.T. Sampat
Director
NIANP, Adugodi, | Member |

Bangalore-560 030

- | | | |
|-----|--|------------------|
| 15. | Prof. O.P. Dhanda
ADG(Animal Reproduction and Physiology),
ICAR, Krishi Bhawan,
New Delhi- 110001 | Member |
| 16. | Dr. S.K. Bandhopadhyay
Animal Husbandry Commissioner
Department of Animal Husbandry
Krishi Bhawan, New Delhi-110001 | Member |
| 17. | Dr. H.K.Pradhan
Joint Director,
HSADL, IVRI,
Anand Nagar, Bhopal- 462 021 | Member |
| 18. | Dr. V. A. Srinivasan
Executive Director
Indian Immunologicals Ltd.
Cachibowli Post, Hyderabad-500 019 | Member |
| 19. | Dr. Seema Wahab,
Adviser, DBT | Member |
| 20. | Dr. A. K. Rawat
Principal Scientific Officer, DBT | Member Secretary |

Head of the body – Dr. Moti Lal Madan, Chairman, (Address : Madan Lodge, 842/6 Urban Estate, Karnal - 132 001, Haryana)

Address of main office and its Branches – Department of Biotechnology, Govt. of India, Block No. 2, CGO Complex, Lodi Road, New Delhi - 110 003

Frequency of meetings – Twice or thrice in a year

Can public participate in the meetings? - Yes

Are minutes of the meetings prepared? – Yes

10. Task Force on Biopesticides and Crop Management

- **Name and address of the Affiliated Body-** Task Force on Biopesticides and Crop Management, Dept. of Biotechnology, GOI, Block No.2, CGO Complex, Lodi Road, New Delhi-110003
- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**
Committee (Biopesticides and Crop Management)
- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)** – The committee was established in 1989 and it was reconstituted after every three years. The current Task Force is reconstituted in April, 2003.

Objective / Main Activities of the committee are as follows:

To identify new and gap areas for R&D product and process development, evaluation and field trials.

To ensure speedy implementation of the priority and thrust areas, recommended for the 10th Plan period.

To review the progress made in the ongoing R&D projects of the National Biocontrol Network Programme.

To sort out the administrative issues if any, and facilitate the implementation of the projects.

To consider validation of technology and setting up of semi-commercial units.

To identify potential biopesticide products and processes which have reached transferable level for upscaling and commercialisation.

To ensure the generation of data on bioefficacy of biopesticide and biocontrol organisms through the implemented projects at ICAR Universities/Institutes.

To ensure the generation of toxicological data of potential biopesticides and their registration and also to strengthen the technology transfer aspect.

To identify competent public and private sector laboratories which can be entrusted with the process development, scaling up and commercialisation through a tripartite agreement.

To establish linkages with other Science Departments and Socio-economic Ministries.

To consider any other policy and relevant aspects/areas for promoting this field.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)-**
Advisory and recommending
- **Structure and Member Composition** – List of Task Force members is as follows:

Prof. S.N. Puri, Vice Chancellor, Central Agricultural University, P.O.Box-23 Imphal -795004 (Manipur) **Chairman**

Dr. O.P. Dubey, ADG, Oilseeds, ICAR, Krishi Bhawan, New Delhi 110001 **Member**

Dr. S. Lingappa, Director of Research, University of Agril. Sciences, Krishinagar, Dharwad-580005, Karnataka	Member
Dr. M.S. Chari, Advisor Pest Management, Centre for World Solidarity, H.No.12-13-438, Street No.1, Tarnaka, Secundrabad-520017 (A.P)	Member
Dr. K.S.S. Nair, Ex-Director, KFRI, T.C.9/1171 (3), Mangalam, Lane, Sasthamangalam, Trivandrum-695010	Member
Dr. George Thomas, Interfield laboratories, XIII/1208, Interprint House, Karuvelipady, Kochi-682005	Member
Dr. S. Narasimhan, Director, Asthagiri Herbal Research Foundation, 14/1, II main Road, Jaya Nagar, Tambaram Santorium, Chennai-600047	Member
Prof. P.D. Tyagi, Ex-Prof. & Head, Plant Pathology, HPKV, 26C, Pkt-A, SFS Flats, Mayur Vihar, Ph-III, Delhi-96.	Member
Dr. D.V. Singh, Head, Dept. of Plant Pathology, IARI, New Delhi-12	Member
Dr. S.S. Ali, Principal Scientist, Indian Institute of Pulses Research, Kanpur-208024	Member
Dr. Seema Wahab, Adviser, DBT, New Delhi	Member
Dr. A.K. Rawat, PSO, DBT, New Delhi	Member Secretary

- **Head of the Body** - Prof. S.N. Puri, Chairman (Vice Chancellor, Central Agricultural University, Imphal)
- **Address of main office and its Branches** - Dept. of Biotechnology, GOI, Block No.2, CGO Complex, Lodi Road, New Delhi-110003
- **Frequency of Meetings** - Twice in a year
- **Can public participate in the meetings?** - No
- **Are minutes of the meetings prepared?** - Yes

11. Task Force on Biofertilizer Biotechnology

- **Name and address of the Affiliated Body:** Task Force on Biofertilizer Biotechnology
- **Type of Affiliated Body (Board, Council, Committees, Other Bodies):** Committee.
- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities):**
Year of Establishment : 2003
Objectives:
To recommend new projects and review ongoing projects
To monitor the projects operated under Biofertilizer Biotechnology.
To recommend extension and mid-course correction and any other issues related to the implementation of projects.
To identify new areas for research; generate multicentric projects wherever necessary.
To suggest expert groups who can make site visits for on the spot evaluation etc.
- **Role of the Affiliated Body (Advisory / Managing / Executive / Others):** Advisory
- **Structure and Member Composition:**
 1. Prof. S. Chaudhuri
Former Prof. & Head, Dept. of Pathology,
Faculty of Agriculture,
Bidhan Chandra Krishi Vishwavidyalaya
Kalyani-741235 (West Bengal) Chairman
 2. Dr. S. K. Apte,
Head, Molecular Biology Division
Bhabha Atomic Research Centre,
Anushakti Nagar, Trombay,
Mumbai-400085.(Maharashtra) Member
 3. Dr. Alok Adholeya
Fellow & Area Convenor
Centre for Mycorrhizal Research
Tata Energy Research Institute
India Habitat Centre, Lodhi Road
New Delhi – 110 003. ”

4. Dr. N.C. Talukdar „
Associate Professor
Soil Microbiology Laboratory
Department of Soil Science,
Assam Agricultural University,
Jorhat-785013. (Assam)
5. Prof. S. Shanmugasundaram, „
Senior Professor and Head
Department of Microbial Technology
School of Biological Sciences
Madurai Kamaraj University
Madurai – 625 021 (Tamil Nadu)
6. Prof. D.K. Arora „
Director, National Bureau of Agriculturally
Important Microorganisms (ICAR)
NBPGR (Old Building), Pusa Campus,
New Delhi-110012.
7. Dr. C.R. Sharma „
Professor & Head,
Department of Microbiology,
Himachal Pradesh Krishi Vishwavidhyalaya
Palampur – 176062 (Himachal Pradesh)
8. Prof. A.R. Alagawadi „
Deptt. of Agril. Microbiology,
University of Agril. Sciences,
Dharwad – 580005 (Karnataka)
9. Dr. Ashok Kumar, „
School of Biotechnology,
Banaras Hindu University
Varnasi 221 005. (U.P.)
10. Prof. B.D. Kaushik, „
Division of Microbiology,
Indian Agricultural Research Institute,
New Delhi-110012
11. Dr. P. Bhattacharyya, (*Representative of Ministry of* „
Agriculture)

Director, National Biofertilizer Development Centre,
204, B Wing, CGO Complex-II,
Kamla Nehru Nagar, Ghaziabad – 210 002 (U.P.)

12. Dr. V. P. Gupta, Adviser, DBT Member Ex-officio

13. Dr. R. R. Sinha, Adviser, DBT Member-Secretary

- **Head of the Body:** Prof. S. Choudhuri, Former and Head, BCKVV, Kalyani.
- **Address of main office and its Branches:** Department of Biotechnology, Block 2, C.G.O. Complex, New Delhi – 110 003.
- **Frequency of Meetings:** Twice in a year
- **Can public participate in the meetings?** No
- **Are minutes of the meetings prepared?** Yes

12. Task Force on Basic Research in Modern Biology

- **Name and address of the Affiliated Body:** Task Force on Basic Research in Modern Biology
- **Type of Affiliated Body (Board, Council, Committees, Other Bodies):** Committees
- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities):**

Year of Establishment – 2003

Objectives:

(i) To support basic research in the following priority and emerging areas identified by the working group for the formulation of 10th five year plan are:

Biology of Infectious agents & tropical pathogens

Protein Engineering to generate novel useful products

Cell Surface & Signal Transduction

Human Genetics

Microbial Technology

Plant Molecular Biology

Macromolecular crystallography & molecular modelling

(ii) To fund need based R&D facilities in collaboration with other funding agencies.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others):**

Advisory

- **Structure and Member Composition**

Prof. P. Balaram, Director, Indian Institute of Science, Bangalore	Chairman
Prof. Parul Chakrabarti, Department of Chemistry, Bose Institute, 93/1 APC Road, Kolkata	Member
Prof. N.K. Mehra Transplant Immunology & Immunogenetics, All India Institute of Medical Sciences, Ansari Nagar, New Delhi	Member
Dr. Murali Sastry, Scientist, Materials Chemistry Division, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune	Member
Dr. Dinkar M. Salunke National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi	Member
Dr. P. Gunasekaran, Prof. & Head, Madurai Kamaraj University, Department of Genetics, School of Biological Sciences, Palkalai Nagar, Madurai	Member
Prof. S. Biswas, Department of Computer Science and Engineering, Indian Institute of Technology, Kanpur	Member
Dr. N. K. Singh Principal Scientist, NRC Plant Biotechnology Indian Agricultural Research Institute New Delhi	Member
Dr. Chetan Chitnis, International Center for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi	Member
Dr. J. Gowrishankar, Centre for DNA Fingerprinting & Diagnostics, ECII Road, Nacharam, Hyderabad	Member
Dr. Amit Ghosh Director, School of Biological Sciences Indian Institute of Advanced Research (The Puri Foundation), Block No.2, First Floor Udyog Bhawan, Sector 11, Gandhi Nagar Gujarat	Member
Dr. Harnek Singh Garcha, 36 Shant Park, Near Agar Nagar-I, Ludhiana Punjab.	Member
Prof. Bharat B. Chattoo Professor, Department of Microbiology and Biotechnology Centre, M.S. University, Baroda (Gujarat)	Member
Dr. K.K. Tripathi, Advisor, DBT	Member
Sh. Arvind Duggal, Adviser, DBT	Member Secretary

- **Head of the Body:** Prof. P. Balaram, Director, IISc., Bangalore

- **Address of main office and its Branches:**

Department of Biotechnology, Block-2, 6-8th Floor, Lodi Road, New Delhi.

- **Frequency of Meetings:** Twice in a Year
- **Can public participate in the meetings?** No.
- **Are minutes of the meetings prepared?** Yes

13. Task Force on Biotech Product and Process Development

Name and address of the Affiliated Body: Task Force on Biotech Product and Process Development

Type of Affiliated Body (Board, Council, Committees, Other Bodies): Committee

Brief Introduction of the Affiliated Body (Establishment Year, Objective/Main Activities):

Reconstituted on 27th May 2005.

Objectives/ Main Activities

to jointly identify, examine and facilitate effective implementation of the priority area of research projects/programmes in Biochemical Engineering, Microbial and Industrial Biotechnology for Product and Process Development through interactive meeting(s), supports etc.;

to explore the possibilities of funding public funded institutions jointly with the industry to facilitate the evolution of products or processes faster for application/industrial use;

to help in generating new projects/programmes for the Biotech Product and Process Development;

to evolve procedures and mechanisms for technology transfer, commercial application and further exploitation of various research leads emanating out of various research projects/programmes;

to review the progress of various on-going projects/programmes of the Department in the above specified areas of research and suggest mid-course corrections, if any;

to frame modalities in the training /research/teaching in the above areas for the promotion of Biotechnology in the country;

any other programme that facilitates the promotion of the above objectives.

Role of the Affiliated Body (Advisory/Managing/Executive/Others): Advisory

Structure and Member Composition:

1. **Dr. V.P. Kamboj** Chairman
Emeritus Scientist,
Central Drug Research Institute
Chattar Manzil, Lucknow-226001

- | | | |
|-----|--|--------|
| 2. | Prof. P. Rama Rao
Director
National Institute of Pharmaceutical Educational
and Research (NIPER)
Sector 67, SAS Nagar
Mohali- 160 062, Punjab | Member |
| 3. | Dr. J. Gowrishankar
Staff Scientist VI,
Laboratory of Bacterial Genetics
Centre for DNA Fingerprinting & Diagnostics,
ECIL Road, 4-87/1
Nacharam, Hyderabad-500 076 | Member |
| 4. | Prof. N.G. Karanth
Dy. Director & Head
Fermentation Technology & Bioengineering
Central Food Technological Research Institute,
Mysore-570013 | Member |
| 5. | Dr. G.K. Garg
Dean
College of Basic Sciences & Humanities
G.B. Pant University of Agriculture and Technology
Pant Nagar-263145
District U.S. Nagar (Uttaranchal) | Member |
| 6. | Dr. Naresh Kumar
Scientist 'G' and Head
Project and Technology Management Group
Institute of Microbial Technology
Sector 39A, Chandigarh-160 036 | Member |
| 7. | Dr. Ranjana Srivastava
Scientist-F, Division of Microbiology
Central Drug Research Institute
Chattar Manzil, Lucknow-226001 | Member |
| 8. | Dr. Ch. Mohan Rao
Dy. Director
Centre for Cellular & Molecular Biology
Uppal Road, Hyderabad-500 007 | Member |
| 9. | Prof. Subrata Sinha
Professor & Head
Department of Biochemistry
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110 029 | Member |
| 10. | Dr. Rup Lal
Professor, Molecular Biology
Department of Zoology
University of Delhi
Mall Road, Delhi-110 007 | Member |

11.	Dr. Banwari Lal Director Environmental and Industrial Biotechnology Division The Energy and Resources Institute (TERI) Darbari Seth Block, IHC Complex Lodhi Road, New Delhi-110 003	Member
12.	Prof. Syed Akhtar Husain Professor & Head, Department of Biosciences Jamia Millia Islamia New Delhi-110 025	Member
13.	Dr. S.R. Nair Managing Director Biotech Consortium India Limited (BCIL) 5 th floor Anuvrat Bhawan 210 Deen Dayal Upadhyaya Marg, New Delhi-110 002	Member
14.	Dr. Laxman Prasad Scientist 'G' Department of Science & Technology Ministry of Science & Technology Mehrauli Road, New Delhi- 110 067	Member
15.	Dr. K.K. Tripathi, Adviser, DBT	Member
16.	Dr. (Mrs.) Suchita Ninawe, Scientist 'E', DBT	Member - Secretary

Head of the Body: Dr. V.P. Kamboj, Emeritus Scientist, Central Drug Research Institute
Chattar Manzil, Lucknow-226001

Address of main office and its Branches: Department of Biotechnology

Frequency of Meetings: Twice a year.

Can public participate in the meetings? No

Are minutes of the meetings prepared? Yes

14. Task force committee on Plant Biotechnology

Name and address of the Affiliated Body: Task force committee on Plant Biotechnology, Department of Biotechnology, Ministry of Science & Technology, Block No: 2, CGO Complex, Lodi Road, New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees, Other Bodies):
Committee

Brief introduction of the Affiliated Body (Establishment year, objective / main activities)

- i. To identify new gap areas in Plant Biotechnology
- ii. To consider/generate specific product-oriented project proposals for funding
- iii. To recommend project proposals for funding
- iv. To critically review/monitor the progress of the on-going projects vis-à-vis objectives and milestones and to recommend corrective measures as and when required

v. To recommend on-the-spot evaluation/site visit as and when required

vi. The Task Force would meet once in six months or more frequently if deemed necessary.

The terms of the Task Force will be for a period of three years w.e.f date of issue of this order, or until further orders

Role of the Affiliated Body (Advisory / Managing/ Executive / Others):

Advisory

Structure and Member Composition

Prof. Sipra Guha Mukherjee - Member
Garden Estate
MA 1/6 – 3C
Gurgaon - 122002

Dr. P. S. Rao - Member
B-801, Shivanjan Apts.,
ITI Layout, Kathriguppe Main Road,
Banashankari 3rd State,
Bangalore-560085

Dr. G. Kalloo - Member
DDG, Horticulture
Krishi Anusandhan Bhawan-II
Pusa Gate, New Delhi-110012.

Prof. S. K. Sopory - Member
ICGEB, P.B. No. 10504
Aruna Asaf Ali Marg
New Delhi- 110 067

Dr. S.P Ghosh, - Member
Ex-DDG (Horticulture, ICAR)
68 Qutub View Apartments,
Katwaria Sarai,
New Delhi-110016

Prof. K. V. Peter - Member
Vice Chancellor
Kerala Agriculture University
Vellanikkara, Trichur – 680 656, Kerala

Dr. K.R Solanki, - Member
ADG (Agroforestry), ICAR,
Krishi Bhavan, New Delhi

Dr. K. Gurumurthi, - Member

62/4, Block-2, Leela Apartments
Ponnayarajapuram
Coimbatore – 641 001

Dr. R. Raghavendra Rao, - Member
Centre Institute of medicinal & Aromatic Plants
Allasandar, Yelhanka,
Bangalore-560065

Dr. Ramesh Aggarwal, - Member
Centre for Cellular and Molecular Biology,
Uppal Road, Tarnaka,
Hyderabad-500007

Dr. Malathi Lakshmikumaran, - Member
84/158, Safdarjung Enclave,
New Delhi-110029

Dr. Usha Vijayaraghavan - Member
Dept. of MCBL
Indian Institute of Science, Bangalore-560 012.

Dr. Renu Swarup, Member Secretary
Advisor, DBT

Dr. Meenakshi Munshi, Member Secretary
Scientist 'E' DBT

6. **Head of the Body:** Prof. A. K. Sharma, Dept. of Botany, University of Calcutta, 35, Ballygunge Circular Road, Calcutta – 700 019.
7. **Address of main office and its Branches:** Department of Biotechnology Ministry of Science & Technology, Block No: 2, CGO Complex, Lodi Road, New Delhi – 110 003
8. **Frequency of Meetings:** At least twice a year or as frequently as required
9. **Can public participate in the meeting?** No
10. **Are minutes of the meetings prepared?** Yes

15. Scientific Advisory Committee on Biofuels and Bioenergy

Name and address of the Affiliated Body: Scientific Advisory Committee on Biofuels and Bioenergy, Department of Biotechnology, Ministry of Science & Technology, Block No: 2, CGO Complex, Lodi Road, New Delhi – 110 003

Type of Affiliated Body (Board, Council, Committees, Other Bodies): Committee

Brief introduction of the Affiliated Body (Establishment year, objective / main activities):

To critically review/monitor the progress of the ongoing projects vis-à-vis the objectives and milestones and to recommend corrective measures as and when required.

- (ii) To recommend on-the-spot evaluation/site visit as and when required
- (iii) To recommend project proposals for funding.
- (iv) To identify new gap areas
- (v) The SAC would meet once in six months or more frequently if deemed necessary.
- (vi) The SAC will report to the Task Force on Plant Biotechnology
- (vii) The terms of the SAC will be for a period of three years w.e.f. date of issue of this order.

Role of the Affiliated Body (Advisory / Managing/ Executive / Others):

Advisory

Structure and Member Composition:

Dr. V. K. Bhatia, Scientist G (Retd.), D-96, Race Course, Dehradun – 248 001	-	Member
Dr. G. Subramanian, E-204, Vasanth Vihar Apartments, I Cross West, Extension, Thillainagar, Tiruchirappalli – 620 018	-	Member
Dr. K. R. Solanki, ADG, Agro Forestry, ICAR, Krishi Bhawan, New Delhi – 110 001	-	Member
Dr. Prakash Kumar, National Oilseeds and Vegetable Oil Development Board (NOVOD), 86, Sector –18, Institutional Area, Gurgaon – 122 015	-	Member

Dr. R. L. Srivastava, Director, Arid Forest Research Institute, P.O. Krishi Mandi, New Pali Road, Jodhpur – 342 005	-	Member
Dr. Aditi Pant, Flat – 20, Golden Galaxy, Someshwarwadi, Pune – 411 008,	-	Member
Dr. D. K. Tuli, Chief Research Manager, Indian Oil Corporation Research & Development Centre, Sector – 13, Faridabad –007	-	Member
Dr. J. B. S. Girdhar, Director, MNES, Block No. 14, CGO Complex, Lodhi Road, New Delhi	-	Member
Dr. P. Ghosh, Executive Director, Birla Institute of Scientific Research Statue Circle, Jaipur – 302 001	-	Member
Prof. L. M. Das, Centre for Energy Studies, Indian Institute of Technology, Hauz Khas, New Delhi- 110 067	-	Member
Dr. D. N. Bowmick, institute of Chemical Technology (Autonomous) University of Mumbai, Nathalal Parikh Marg, Matunga, Mumbai – 400 019	-	Member
Dr. Sunil Khanna, Thapar Centre for Industrial Research and Development, Thapar Technology Campus, Bhadshah Road, P.B. No. 68, Patiala –147 004.	-	Member
Dr. Subhash Chand, Department of Biochemical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi – 110 067.	-	Member
Dr. Meenakshi Munshi, Scientist ‘E’, DBT	-	Member Secretary

6. **Head of the Body:** Prof. A. K. Sharma, Department of Botany, Ballygunge Circular Road, Kolkatta – 700 019
7. **Address of main office and its Branches:** Department of Biotechnology Ministry of Science & Technology, Block No: 2, CGO Complex, Lodi Road, New Delhi – 110 003
8. **Frequency of Meetings:** At least twice a year or as frequently as required
9. **Can public participate in the meeting?** No
10. **Are minutes of the meetings prepared?** Yes

16. Task Force on Biotechnology based Programmes for women

- **Name and address of the Affiliated Body:** Task Force on Biotechnology based Programmes for women, Department of Biotechnology, Ministry of Science & Technology
- **Type of Affiliated Body (Board, Council, Committees, Other Bodies):** Committee
- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities):**

The Committee was constituted in April 1997 and was reconstituted after every three years. The current Task Force was reconstituted in October 2004. The main activities of the committee are (i) to examine new proposals and (ii) to review the progress of ongoing as well as completed projects.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others):** Executive
- **Structure and Member Composition:**

1. **Dr. M.S. Bamji,** **Chairman**
Chairperson, Dangoria Charitable Trust(DCT),
1-7-1074, Musheerabad, Hyderabad-500 020
2. **Dr. Nita Bhandari,** **Member**
Deptt. Of Pediatrics,
All India Institute of Medical Sciences, Ansari Nagar,
New Delhi- 110 029
3. **Dr. Madhulika Kabra**
Member

Additional Professor
Genetics Unit, Old O.T. Block
Department of Pediatrics,
All India Institute of Medical Sciences (AIIMS), Ansari Nagar,
New Delhi - 110 029. (INDIA)

4. **Dr. Alice George,** **Member**
Deptt. of Obstetrics and gynaecology
Christian Medical College & Hospital,
Unit – 1, Perinatal Medicine and Family Welfare
489, Civil Supplies Godown Lane,
Vellore - 632 002.
5. Dr. J.K. Jena, **Member**
Senior Scientist
Central Institute of Freshwater Aquaculture (CIFA)
Indian Council of Agricultural Research (ICAR)
P.O.: Kausalyaganga, Bhubaneswar- 751 002, Orissa
6. Dr. Dharam Vir Singh, **Member**
Head, Division of Mycology & Plant Pathology
Indian Agricultural Research Institute (IARI)
Pusa Campus, Delhi-110 012
7. Dr. Chandrashekharaiyah, **Member**
Director, Andhra Pradesh State Sericulture Research &
Development Institute (APSSRDI),
Kirikera, Hindupur, Andhra Pradesh.-515 211
8. Dr. P.N. Bhat, **Member**
D-I/102 –A, Satya Marg,
Chanakypuri, N.D.- 110 021
9. Dr. M.R. Uniyal, **Member**
Director, Maharishi Ayurveda Products,
NEPZ, Plot No. 17-18, Noida-201 305
10. Dr. Sudha Nair, **Member**
MS Swaminathan Research Foundation,
3rd Cross Street, Taramani Instt. Area, Chennai –600 113
11. Secretary, **Member**
Deptt. of Women & Child Development
Ministry of Human Resource Development, Shastri Bhawan,
New Delhi-110 001
12. Dr.Vinita Sharma **Member**
Science & Society Division
Deptt. of Science & Technology, New Mehrauli Road,
New Delhi

13. Dr. S. Natesh, Scientist 'G', DBT

Member

14. Dr. Hamida Abdi, Director, DBT

Member Secretary

- **Head of the Body:**

**Dr. M.S. Bamji, Chairperson, Dangoria Charitable Trust(DCT),
Hyderabad-500 020**

- **Address of main office and its Branches:**

Department of Biotechnology, Block-2, 7-8th Floor, CGO Complex, Lodhi Road,
New Delhi – 110 003.

- **Frequency of Meetings:** Twice or Thrice a year

- **Can public participate in the meetings?** No

- **Are minutes of the meetings prepared?** Yes

17. Task Force on “Biotechnological Approaches for Food and Nutritional Security”.

- **Name and address of the Affiliated Body**

Task Force on “**Biotechnological Approaches for Food and Nutritional Security**”.

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Type of Affiliated Body (Board, Council, Committees, Other Bodies)**

Task Force

- **Brief Introduction of the Affiliated Body (Establishment Year, Objective / Main Activities)**

Established : 07/04/2003 and revised on 29/06/2005

The Terms of References to this Task Force has been kept as under:

To identify products and process related to priority areas of food biotechnology and to evolve new R&D programmes.

To identify projects involving multidisciplinary approach for development of products and processes in the area of food and nutritional biotechnology.

To identify semi-finished techniques and processes for perfecting them to the stage of near commercialization, for use in the industry.

To catalyze the teaming up between the R&D institutions and industry so as to develop food products and processes utilizable for commercial gains through industry.

To review the progress of programmes and projects.

To identify people/groups having necessary competence to develop food biotech products/processes within a reasonable time frame and to generate R&D programmes for national economic gain.

To initiate protection and to transfer technologies to the industry, wherever matured and evolve suitable guidelines and procedures.

To generate information, reports and papers on policy issues related to food & nutritional security areas.

To take any such steps that would promote the furtherance of the above.

Development of nutrition related biological or biotechnologically produced products and their evaluation in humans for their impact on nutrition and health outcomes.

Translational nutrition biology including genomics.

- **Role of the Affiliated Body (Advisory / Managing / Executive / Others)**

Advisory

- **Structure and Member Composition**

List of members of the Task Force on “**Biotechnological Approaches for Food and Nutritional Security**”.(2006-2009)

Chairman: Dr.B.S. Narasinga Rao,
102, Brigade Hill View Apartments,
Govindpura main Road,
Bangalore- 560 019.

Member(s):

- i. Director, (ex-officio)
Central Food for Technological Research Institute,
Mysore - 570 013.
- ii. Director, (ex-officio).
National Institute of Nutrition,
Indian Council of Medical Research,
Jamai- Osmania P.O.,
Hyderabad-500 007 (A.P.)
- iii. Dr. S.P.S. Khanuja,
Director,
Central Institute of Medicinal & Aromatic Plants,
P.O. CIMAP, Lucknow - 226 015 (U.P.)
- iv. Dr. P.S. Ahuja,
Director,
Institute of Himalayan Bioresource Technology,
Post Box No. 6,
Palampur - 176 061 (H.P.)
- v. Prof. P.Rama Rao,
Director,
National Institute of Pharmaceutical Education and Research,
Ministry of Chemicals & Fertilizers,
Govt. of India, Sector 67,
S.A.S. Nager
Mohali - 160 062 (Punjab).
- vi. Prof. Srinath Reddy,
Cardiology Deptt.,

All India Institute of Medical Sciences,
New Delhi - 110 029

- vii. Dr. H.P. S. Sachdev,
Senior Consultant,
Pediatrics and Clinical Epidemiology,
Sitaram Bhartia Institute of Science and Research,
B-16 Outab Institutional Area,
New Delhi 110 016.
- viii. Dr. Satyajit Rath,
National Institute of Immunology,
Aruna Asaf Ali Marg,
New Delhi- 110 067.
- ix. Dr. C.S.Yajnik,
Director,
Diabetic Unit, KEM Hospital & Research Centre
Sardar Moodliar Road Rasta Peth,
Pune-411 011.
- x. Dr.K.V. Kurpad,
Dean,
Institute of Population, Health & Clinical Research,
St. John's National Academy of Health Sciences,
Bangalore - 560 034.
- xi. Dr. V.K. Batish,
Head,
Dairy Microbiology Division,
National Dairy Research Institute,
Karnal- 132 001
- xiii. Dr. Sanjay Nene,
Scientist, Department of Chemical Engineering,
National Chemical Laboratory,
Pune - 411 008
- xiv. Dr. G. Chandok, Scientist,
Central for Cellular & Molecular Biology,
Uppal Road,
Hyderabad - 500 007 (A.P.)
- xv. Dr. Mukul Das, Scientist,
Industrial Toxicology Research Centre,
Mahatma Gandhi Marg,
Post Box No. 80,
Lucknow - 226 001 (U.P.)

Chairman:

Dr. V. Prakash, Director, Central Food Technological Research Institute, Mysore

Co-Chairman:

Prof. H.P.S. Sachdev, Department of Pediatrics, Maulana Azad Medical College, New Delhi

Member(s):

- Dr. B. Sivakumar, Director, National Institute of Nutrition, Indian Council of Medical Research, Jamia – Osmania P.O Hyderabad – 500 007**
- Dr. A.S. Bawa, Director, Defence Food Research Laboratory, Siddarthanagar, Mysore – 570 011**
- Dr. V.K. Batish, Head, Dairy Microbiology Division, National Dairy Research Institute, Karnal – 132 001**
- Prof. Randhir Singh, Department of Biochemistry, Kurukshetra University, Kurukshetra,**
- Dr. Umesh Kapil, Professor, Department of Human Nutrition and Gastroenterology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi – 110 029**
- Prof. Ashok Pandey, Head, Biotechnology Division, Regional Research Laboratory, Trivandrum – 695 019**
- Dr. Stan F’ D Souza, Head, Nuclear Agriculture & Biotech Division, Bhabha Atomic Research Centre, Trombay, Mumbai**
- Dr. Surendra Singh, Assistant Director, Ministry of Food Processing Industries, Panchsheel Bhavan, August Kranti Marg, New Delhi – 110 049**
- Dr. P.K. Seth, CEO Biotech Park, Lucknow, Sector G, Jankipuram, Kursi Road, Lucknow-226021**
- Dr. Lakshmi Sita, Department of Microbiology, Indian Institute of Science, Bangalore-560 012**
- Dr. Ambika Banerjee, Head (R&D), M/s. East India Pharmaceuticals Works Ltd., 119 Biren Roy Road(West), Kolkata –700 061**
- Dr. S.S.Pillai, Vice President (Bioproducts), E.I.D.Parry (India) Ltd., No: 234, N.S.C. Bose Road, Chennai – 6000 001,**
- Dr. A.V.Kurpad, Dean, Institute of Population, Health & Clinical Research, St. John’s National Academy of Health Sciences, Sarjapur Road ,Bangalore- 560 034.**
- Dr. Ghafoornisa Dy. Director(Rtd), H.NO10-2-289/37AND37A, Maphar Comfortek Apts, Flat no 402 Shantinagar colony , Masab tank , Hyderabad 500028**
- Dr. C.S. Yajnik, Director, Diabetic Unit, KEM Hospital & Research Centre, Sardar Moodliar Road Rasta Peth, Pune411 011**
- Prof. Anup Mishra, Department of Medicine, All India Institute of Medical Sciences, Ansari Nagar, New Delhi**
- Prof. Umesh Varshney, Department of Microbiology, Indian Institute of Sciences, Bangalore- 560 012**
- Dr. S. Natesh, Scientist ‘G’, Department of Biotechnology, New Delhi**
- Dr. Rajesh Kapur, Scientist ‘G’, Department of Biotechnology, New Delhi (*Member Secretary*)**

- **Head of the Body**

Chairman: Dr. V. Prakash, Director, Central Food Technological Research Institute, Mysore- 570 013. prakash@cftri.com

Co-Chairman: Prof. H.P.S. Sachdev, Department of Pediatrics, Maulana Azad Medical College, New Delhi

- **Address of main office and its Branches**

Department of Biotechnology, Block 2, Floor 6-8, CGO Complex, Lodi Road,
New Delhi – 110 003

- **Frequency of Meetings**

At least twice a year

- **Can public participate in the meetings?**

Being a technical committee to discuss only R&D proposals participation of public
is not considered necessary

- **Are minutes of the meetings prepared?**

Yes

-Names and addresses of the Affiliated Body.

18. Task Force on Infectious Disease Biology

Dr. T. Jacob John 439, Civil Supplies Godown Lane, Kamalakshipuram, Vellore – 632 002, Tamil Nadu	-	Chairman
Dr. Satyajit Rath Sr. Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110 067	-	Co-chairman
Prof. S.K. Panda, Department of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110 029	-	Member
Prof. Dipankar Chatterjee Molecular Biophysics Unit, Indian Institute of Science, Bangalore – 560 012	-	Member
Dr. Shiv Lal, Additional DG & Director, National Institute of Communicable Diseases, 22, Shamnath Marg, Delhi -110054.	-	Member
Prof. Ramesh Kumar,	-	Member

(former Professor, AIIMS)

B-601,
Rishi Apartments,
Alaknanda,
New Delhi – 110 019

Prof. Vijay K. Chaudhary - Member
Department of Biochemistry,
University of Delhi,
South Campus,
Benito Juarez Road,

New Delhi - 110 021

Dr. H.S. Randhawa, - Member
Emeritus Scientist,
Department of Medicine Mycology,
V.P.Chest Institute,
University of Delhi,
Delhi – 110007.

Prof. Shobha Broor, - Member
Department of Microbiology,
All India Institute of Medical Sciences,
New Delhi- 10029

Dr. Seyed E. Hasnain, - Member
Vice Chancellor,
University of Hyderabad
Hyderabad – 500046

Dr. Anuradha Lohia, - Member
Scientist,
Department of Biochemistry,
Bose Institute,
P1/12 CIT Scheme VIIM,
Kolkata 700 054

Dr. R.S.Paranjape, - Member
Director,
National AIDS Research Institute,
73, G-Block, MIDC, Bhosari,
Pune- 411026.

Dr. A.K. Srivastava, - Member
Scientist E-I,
Department of Biochemistry,
Central Drug Research Institute,
Chattar Manzil Palace,
Lucknow - 226 001.

Prof. M. Vijayan, - Member
Associate Director,
Molecular Biophysics Unit,
Indian Institute of Science,
Bangalore – 560 012.

Dr. P.Rama Rao, Director, National Institute of Pharmaceutical Education & Research, Sector-67, SAS Nagar, Mohali-160062, Punjab	-	Member
Prof. Anil K. Tyagi, Department of Biochemistry, University of Delhi, South Campus, Benito Juarez Road, New Delhi - 110 021	-	Member
Dr. Kanury Rao, Sr. Scientist, International Centre for Genetic Engineering & Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi – 110 067.	-	Member
Dr Gowrishankar, Director, Centre for DNA Fingerprinting & Diagnostics, ECIL Road, Nacharam, Hyderabad - 500076	-	Member
Dr. Bhaskar Saha, Scientist -E, National Centre for Cell Science, NCCS Complex, Pune University Campus, Ganeshkhind, Pune - 411 007.	-	Member
Dr. Shahid Jameel, Sr. Scientist, International Centre for Genetic Engineering & Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi – 110 067	-	Member
Professor U.C. Chaturvedi Emeritus Scientist 201-Annapurna Apartments, No. 1 Bishop Rocky Street, Faizabad Road,	-	Member

Dr. B. S. Das Emeritus Medical Scientist, ICMR House No-117, Ratnakar Bag-1 BHUBANESWAR-751018	-	Member
Shri S.Sinha, Adviser, DBT	-	MEMBER SECRETARY
Dr. Shailja V. Gupta, Jt. Director, DBT	-	MEMBER SECRETARY

8. The Names, Designations and other particulars of the Public Information Officers

Department of Biotechnology:

Central Public Information Officers :

Sr No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Smt. Prachi Saroop	Director	011	2436 5972	2649 9888	2436 2884	psaroop@dbt.nic.in	530, Hawa Singh Block, Asiad Village, New Delhi
2.	Dr. George John	Scientist 'G'	011	2436 0984	2619 6808	2436 2884	gjohn@nic.in	R-23, Nivedita Kunj, R.K. Puram, Sector-10, New Delhi.
3.	Dr. T.S. Rao	Scientist 'G'	011	2436 4065	2688 7670	2436 2884	tsrao@dbt.nic.in	D-II/C-III, Moti Bagh-I New Delhi.
4.	Sh. S.L. Govindwar	Scientist 'G'	011	2436 3665	2649 6964	2436 2884	govind@dbt.nic.in	468, Hawa Singh Block Asiad Village, New Delhi
5.	Dr. K.S. Charak	Scientist 'G'	011	2436 9614	2617 4176	2436 2884	charak@dbt.nic.in	607, Vigyan Sadan, Sec.10, R.K.Puram, New Delhi.
6.	Dr. (Ms.)Renu Swarup	Scientist 'G'	011	2436 0064	2626 4831	2436 3018	swarup@dbt.nic.in	D-1/F-16,HUDCO Place, Andrews Gunj N.D
7.	Dr.	Scientist	011	2436	2643	2436	suman@dbt.nic.in	241, Aravali

	Suman Govil	'G'		9610	4697	2884		Apptts. Alakhananda, New Delhi
8.	Dr. T. Madhan Mohan	Scientist 'G'	011	2436 2788	2465 4929	2436 1813	madhan@dbt.nic.in	Type -V, No.49, Lodi Road Complex, Lodi Road, New Delhi.
9.	Dr. Hamida Abidi	Scientist 'F'	011	2436 3501	2439 2181	2436 2884	abdi@dbt.nic.in	F-102, P.V. Hostel, Lodhi Raod, New Delhi.
10	Dr. Rajesh Kapur	Scientist 'G'	011	2436 0745	2688 9664	2436 2884	kapur@dbt.nic.in	D-II/A-B, South Moti Bagh, New Delhi
11	Dr. S. R. Rao	Scientist 'G'	011	2436 0295	2584 2810	2436 2884	srrao@dbt.nic.in	7, B, Scientist Appt. IARI (Pusa), New Delhi.
12	Dr. Mohd. Aslam	Scientist 'F'	011	2436 3057	2610 9319	2436 2884	aslam@dbt.nic.in	1217, Type-IV Special, Sec.12, R.K.Puram, New Delhi.
13	Dr. A.K. Rawat	Scientist 'D'	011	2436 3656	----	2436 2884	akrawat@dbt.nic.in	1179, Sector-A, Pocket-A, Vasant Kunj, New Delhi
14	Dr. Shailja V Gupta	Scientist 'E'	011	2436 3748	2272 4058	2436 2884	shailja@dbt.nic.in	A-2/714, Ekta Garden, 9 Patpar Gunj, Delhi
15	Dr. Alka Sharma	Scientist 'D'	011	2436 3699	2508 9244	2436 2884	alka@dbt.nic.in	Plot No.39B, Flat No.604, Santosh Apartment Sec.6 Dwarka, New Delhi-45.
16	Smt. Rajlakshmi Murlidharan	Scientist 'D'	011	2439 3029	2277 1423	2436 2884	m.rajalakshmi@nic.in	124-C, Pocket B, Mayur Vihar, Delhi.
17	Dr. Suchita Ninawe	Scientist 'E'	011	2436 3722	2808 3246	2436 2884	sninawe@dbt.nic.in	228, DDA SFS Flats, Sector-5 Pocket-I Dwarka, New Delhi.

Assistant Public Information Officers :

NIL

Departmental Appellate Authority :

Sr No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Sh. N. S. Samant	Joint Secretary	011	2436 2982	2611 1020	2436 2884	nssamant.dbt@nic.in	D-1/220, Vinay Marg, Chanakayapuri, New Delhi.
2.	Dr. S. Natesh	Scientist 'G'	011	2436 4064	2271 3961	2436 4064	natesh@dbt.nic.in	408-II, Kirti Apartments, Mayur Vihar, Ph.I Extn. New Delhi.

AUTONOMOUS BODIES:**NATIONAL INSTITUTE OF IMMUNOLOGY**

Sr No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Dr. Ravi Dhar	Staff Scientist -IV	011	2670 3525	2670 3581	2671 7104		

NATIONAL CENTRE FOR CELL SCIENCE, PUNE**Public Information Officers:**

Sr No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Mr. B. G. Acharya	Controller of Admn.	020	2569 0922	2569 9455	2569 2259	bgacahrya@nccs.res.in	D-2, NCCS Res. Colony, Pune Univ. Campus, Ganeshkhind, Pune- 411 007
2.	Dr. D Mitra, (for all Scientific Matters)	Scientist E	020	2569 922	2569 8553	2569 2259	dmitra@nccs.res.in	D-4 (Spl.), NCCS Res. Colony, Pune Univ. Campus, Ganeshkhind, Pune- 411 007

Appellate Authority

1.	Dr. G C	Director	020	2569	2569	2569	gcmishra@nccs.r	Director's
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	Mishra			0 922	1064	2 259	es.in	Bungalow, NCCS Res. Colony, Pune Univ. Campus, Ganeshkhind, Pune- 411 007
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**CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS,
HYDERABAD:**

Sr · No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Sh. J Sanjeev Rao	Administrative Officer	040					

**NATIONAL BRAIN RESEARCH CENTRE, Nainwal More, Near NSG Camp,
MANESAR,-122 050.(Haryana).**

Sr · No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Shri K.V.S. Kameshwar Rao	Registrar	0124	2338 916	2574 834	2338 928	registrar@nbc.ac .in	B-8, Sector 22, Noida(U.P.).

NATIONAL CENTRE FOR PLANT GENOME RESEARCH, NEW DELHI

Sr · No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Mr. Sarjeet Singh	Technical Staff Grade-I (O)	011	3094 2829	3944 - 0512	2671 6658		

**INSTITUTE OF LIFE SCIENCES, BHUBANESWAR
(Nalco Square)**

Sr · No.	Name	Designation	ST D Code	Ph. No.		Fax	E.mail	Address
				Office	Home			
1.	Sh. B. B. Mishra	Administrative Officer	0674	230 2609	2471 722	2300 728	bbmishra3@yahoo.com	

**INSTITUTE OF BIORESOURCES AND SUSTAINABLE DEVELOPMENT,
Takyelpat Institutional Area, Imphal-795 001(Manipur).**

	Name			Ph. No.	Fax	E.mail	Address
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Sr . No.	Name	Designation	ST D Co de	Ph. No.		Fax	E.mail	Address
				Offi ce	Hom e			
1.	Shri Mahabir Singh Saunriyal	Sr. Administrative Officer	0385	2446 122		2446 120	lbsd_imp@sancharnet.in	IBSD, Takyelpat Institutional Area, Imphal- 795 001.

PUBLIC SECTOR UNDERTAKING:

**BHARAT IMMUNOLOGICALS AND BIOLOGICALS CORPORATION
LIMITED, Vill. Chola, BULANDSHAHR(U.P.).**

Sr . No.	Name	Designation	ST D Co de	Ph. No.		Fax	E.mail	Address
				Offi ce	Hom e			
1.	Shri Ajit Samal	Company Secretary	0573 2	2387 58				Vill.Chola,Bu landshahr,U.P

JOINT VENTURE:

**1. INDIAN VACCINES CORPORATION LTD., B-6/66, Lower Ground Floor,
Safdarjung Enclave, New Delhi-110 029.**

Sr . No.	Name	Designation	ST D Co de	Ph. No.		Fax	E.mail	Address
				Offi ce	Hom e			
1.	Shri.R.C Mittal	Managing Director	011	2617 1308	9512 0- 5359 00	2617 1308	vaccines@yahoo.com	B-6/66, Lower Ground Floor, Safdarjung Enclave, New Delhi

Flat No. 205, Vidya Enclave, 2nd Floor, Sector-56, Gurgaon

9. Procedure followed in Decision Making Process

What is the procedure followed to take a decision for various matters?

The Department of Biotechnology provides grant-in-aid to various research institutes, universities, voluntary organizations and other laboratories for implementation of projects on research and development, technology demonstration and validation, centers of excellence, programme support, human resource development and bioinformatics. It has under seven autonomous bodies under its administrative control.

The department has laid down a detailed procedure for consideration, processing and sanction of new projects, review and release of grant for ongoing projects and final settlement of accounts for completed projects. For new project generation and priority areas identification also standardized procedure such as meetings of the Expert Committee, Brain Storming Session, etc are organized. Detailed procedures are documented as given below.

Standardized Procedure

There is a standardized procedure for sanction of new projects, and processing of ongoing projects for release of grant.

New projects proposals:

R&D projects are generally received directly by the Department and are submitted to the project registry where they are given a serial number depending up on the area, and entered in the database. Thereafter the project proposals are examined by an Internal Screening Committee (ISC) which is chaired by an Advisor and all Scientific Officers of the Department are Members of the ISC. The Member Secretaries Programme officers of the respective areas present the project proposals to the ISC for consideration. The recommendations of the ISC are put up to Secretary for final approval. The projects recommended by ISC are processed further and sent to a minimum of five experts for comments. The project proposals along with the comments of the referees (preferably a minimum of three) are placed before the respective Task Forces for final recommendation. The project proposal is discussed by the Task Force based on the referees comments and also based on the presentation made by the PI in some cases, specially for projects costing Rs. 25 lakhs and above. (this may vary from Task Force to Task Force and also on case to case basis). The Task Force then makes its final recommendation on the project. Based on these recommendations, approved by the Chairman of the Task Force, the proposal is processed by the programme officer for financial concurrence.

In some cases the projects are generated through a Brain Storming Session or an Expert Group based on the priority areas identified by the Department either through the recommendations of the Task Force or the Expert Advisory Committees such as BRPC, SAC-DBT or SAC-O. The Expert Group identifies the project areas and institutes, in some cases, for submitting the project proposals. The pre-proposals are discussed by the Expert Group/ Working Group and thereafter detailed proposals are called for. These proposals are then presented before the Expert Committee/ Task Force for final recommendations. In such cases the written comments of the Experts are not mandatory. These generated projects are registered in the project registry, however, they are to be put up to the ISC only as reporting items.

For the programmes on Societal Development (SC, ST, Rural Development and Women) there is a separate Departmental Screening Committee chaired by the concerned Advisor which considers the projects in the same manner as the Internal Screening Committee. The recommendations are put up to Secretary for approval and there after the proposals are processed by the Programme officer as per process outlined as above.

All project proposals under consideration in the Department which cost above Rs. 1 crore and above are put up to the BRPC for consideration and recommendation. The routine projects are put up to BRPC only after receiving the recommendations of the

respective Task Forces. For the projects generated by Expert Committees/ Brain Storming Session, the BRPC considers proposals only with the recommendations of the relevant committee.

Processing for IFD Concurrence:

The proposals with the recommendations of the relevant committee/TF/BRPC are put up to IFD for concurrence by the Programme officer through the concerned Advisor. The project after concurrence by the concerned Finance officer is sent to JS & FA and Secretary for final approval.

Releases for on-going projects :

For ongoing releases, the Finance Officers up to Director level are authorized to concur in proposals up to Rs. 25.00 lakh, however release more than Rs. 10.00 lakhs require approval of Secretary.

An release above Rs. 25.00 lakhs is with the concurrence of JS & FA and approval by Secretary.

Advisors are authorized to approve the carrying forward of unspent grant.

What are the arrangements to communicate the decision to the public?

The department has a separate web site and information regarding the new priority areas, list of projects, achievements of the ongoing projects and recommendation of scientific meeting and major policy issues are put on the web for information to public.

Who are the officers at various levels whose opinions are sought for the process of decision making?

Details of the officers at various levels have been provided as given as above.

Who is the final authority that wets the decision?

For all decisions regarding project sanction, grant release etc., Secretary is the competent Authority. For major decisions and approval of projects costing above Rs. 5 crore necessary approval of the Minister in-charge is required. New schemes are implemented after necessary approval by Cabinet.

10. Directory of the officers of the Department of Biotechnology

S.No.	Name of the Officer	Designation	Room No.	Telephone No.
1.	Dr. M.K. Bhan	Secretary	722	24362950
2.	Dr. S. Natesh	Scientist –H	714	24364064
3.	Mr. N.S. Samant	Joint Secretary	711	24362982
4.	Mr. A.K. Harit	Statistical Adviser	808	24360718

5.	Dr. George John	Scientist – G	719	24360984
6.	Dr. V.P. Gupta	Scientist – G	603	24362931
7.	Dr. Seema Wahab	Scientist – G	606	24362338
8.	Dr. K.K. Tripathi	Scientist – G	805	24361559
9.	Dr. T.S. Rao	Scientist – G	819	24364065
10.	Mr. S.L. Govindwar	Scientist – G	611	24363665
11.	Dr. Rajesh Kapur	Scientist – G	708	24360745
12.	Dr. R.R. Sinha	Scientist – G	607	24369613
13.	Sh. S. Sinha	Scientist – G	811	24363760
14.	Dr. T.Madhan Mohan	Scientist – G	707	24362788
15.	Dr. Arvind Duggal	Scientist – G	620	24361215
16.	Dr. Suman Govil	Scientist – G	619	24369610
17.	Dr. K S Charak	Scientist – G	709	24369614
18.	Dr. Renu Swarup	Scientist – G	710	24360064
19.	Dr. S.R. Rao	Scientist – G	715	24360295
20.	Dr. Bindu Dey	Scientist – G	813	24369611
21.	Dr. Hamida Abidi	Scientist – F	621	24363501
22.	Dr. Mohd. Aslam	Scientist – F	810	24363057
23.	Mrs. Prachi Saroop	Director	723	24365972
24.	Mrs. Maushumi Rudra	Director	725	24367192
25.	Mr. Virendra Kapoor	Dy. Secretary	807	24360940
26.	Mr. Nand Kishore	Dy. Secretary	716	24363505
27.	Dr. Suchita Ninawe	Scientist – E	706	24363722
28.	Dr. Shailja V. Gupta	Scientist – E	605	24363748
29.	Dr. Sandeep Sarin	Scientist – E	726	24363725
30.	Dr. Alka Sharma	Scientist – E	713	24363699
31.	Dr. Meenakshi Munshi	Scientist – E	705	24361035
32.	Dr. Arun Kumar Rawat	Scientist – D	612	24363656
33.	Mrs. Rajlakshmi Muralidharan	Scientist – D	809	24363029
34.	Dr. Gulshan Wadhwa	Scientist – D	602	24369612
35.	Mr. S. C. Aggarwal	Under Secretary	802	24362363
36.	Mr. K.K. Khattar	Under Secretary	724	24366268
37.	Ms. Mahalakshmi Ramakrishnan	Under Secretary	820	24361129
38.	Mr. Bakshi Ram	Under Secretary	817	24362961
39.	Mr. Harish Kumar	Under Secretary	604	24363656
40.	Mr. Gulshan Lal Chopra	DD (OL)	610	24363989
41.	Dr. Anamika Gambhir	Scientist – C	602	24369612
42.	Dr. G.M. Lingaraju	Scientist – C	815	24364447
43.	Dr. Mercy Kutty M.J.	Scientist – C		2436
44.	Dr. Varun Kulshrestha	Scientist – C		2436
45.	Ms. Shubhlata Sharma	Scientist – B	614	24360053
46.	Dr. M. S. Shashi Kumar	Scientist – B	815	24364447
47.	Mr. U.S. Rawat	PPS to SBT	722	24362881
48.	Mr. Rajesh Chandwani	PS to Sc.'G'SW	617	24362338
49.	Mr. Ashok Kumar	PA to JS	712	24362982
50.	Mr. Sureshanand	PS to Sc.'G'VPG	618	24362931
51.	Mr. Anil Kukreti	PS to Sc.'G' KKT	804	24361559
52.	Mr. Arun Kumar	S.O.	704	24361822
53.	Mr.R.N. Dhanjal	S.O.	817	24362961
54.	Mr. S.K. Gairola	S.O.	806	24362363
55.	Mr. S.L. Bairwa	S.O.	701	24363706

56.	Mr. Matis Bihan	S.O.	701	24363706
57.	Mr. Anil Kumar	S.O.	701	24363706
58.	Mr. Prakash Ekka	S.O.	615	24363757
59.	Mr. Deonis Kujur	S.O.	615	2436 3757
60.	Mr. Himanshu Gandhi	S.O.	820	24361129
61.	Mr. K. Srinivasu	DDO	821	24361129
62.	Mrs. Kiran Gupta	JA	609	24360983
63.	Mr. C.L. Choudhary	JA	707	24364160
64.	Mr. K.K. Dash	JA	804	24360057
65.	Mr. Sajit Kr. Das	JA	614	24363726
66.	Ms. Archana Sinha	JA	609	24360983
67.	Mr.S Rugmini	JA	615	24363757
68.	Mr. Arvind Thapliyal	JA	615	24363757
69.	Dr. Peyush Goyal	JA	609	24360983

11. The Monthly Basic Pay received by each employee of the Department

As on 30/09/2007

The Monthly Basic Pay Received by each employee of the Department for the month of September, 2007

Sl.No	Name of the employees	Designation	Basic Pay (in Rs.)
1	Dr. M. K. BHAN	SECRETARY	26000
2	Dr. S. NATESH	SCIENTIST-'H'	23450
3	Dr. V. P. GUPTA	SCIENTIST-G	22400
4	Dr. T. S. RAO	SCIENTIST-G	21900
5	Dr. S. SINHA	SCIENTIST-G	20400
6	Dr. (Mrs) SUMAN GOVIL	SCIENTIST-G	20400
7	Dr. S. L. GOVINDWAR	SCIENTIST-G	21900
8	Dr. T. MADHAN MOHAN	SCIENTIST-G	20400
9	Dr. (Miss.) RENU SWARUP	SCIENTIST-G	19900
10	Dr. (Mrs) SEEMA WAHAB	SCIENTIST-G	22400
11	Shri. ARVIND DUGGAL	SCIENTIST-G	20400
12	Dr. S. R. RAO	SCIENTIST-G	19900
13	Dr. KULDEEP SINGH CHARK	SCIENTIST-G	20400
14	Dr. KRISHAN KUMAR TRIPATHI	SCIENTIST-G	22400
15	Dr. (Mrs) BINDU DEY	SCIENTIST-G	18650
16	Dr. RAJESH KAPUR	SCIENTIST-G	20900
17	Dr. R. R. SINHA	SCIENTIST-G	20400

18	Dr. GEORGE JOHN	SCIENTIST-G	22400
19	Shri. N. S. SAMANT	JOINT SECRETARY	20900
20	Dr. (Miss.) HAMIDA ABDI	SCIENTIST-F	18650
21	Dr. MOHD. ASLAM	SCIENTIST-F	16850
22	Dr. (Mrs) SUCHITA ARUN NINAWA	SCIENTIST-E	15500
23	Dr. (Mrs) SHAILJA VAIDYA GUPTA	SCIENTIST-E	14700
24	Dr. (Mrs) ALKA SHARMA	SCIENTIST-E	14300
25	Dr. SUNDEEP SARIN	SCIENTIST-E	14300
26	Dr. (Mrs) MEENAKSHI MUNSHI	SCIENTIST-E	14300
27	Dr. ARUN KUMAR RAWAT	SCIENTIST-D	12750
28	Dr. GULSHAN WADHWA	SCIENTIST-D	12375
29	Smt. RAJALAXMI MURALIDHARAN	SCIENTIST-D	12000
30	Dr. (Mrs) ANAMIKA GAMBHIR	SCIENTIST-C	10975
31	Shri. G M LINGARAJU	SCIENTIST-C	12275
32	Ms SHUBH LATA SHARMA	SCIENTIST-B	9375
33	Dr. M.S. SHASHI KUMAR	SCIENTIST-B	8000
34	Mrs. PRACHI SAROOP	DIRECTOR	15500
35	Shri. AJAY KUMAR	DIRECTOR	19100
36	Mrs. MAUSHUMI RUDRA	DIRECTOR	15100
37	Shri. VIRENDRA KAPOOR	DEPUTY SECRETARY	15750
38	Shri. NAND KISHORE	DEPUTY SECRETARY	14625
39	Shri. GULSHAN LAL CHOPRA	DEPUTY DIRECTOR(OL)	10975
40	Shri. S. C. AGRAWAL	UNDER SECRETARY	14550
41	Smt. SUPARNA S. PACHOURI	UNDER SECRETARY	11300
42	Shri. K. K. KHATTAR	UNDER SECRETARY	12600
43	Shri. BAKSHI RAM	UNDER SECRETARY	12925
44	Shri. HARISH KUMAR	UNDER SECRETARY	12600
45	Ms MAHALAKSHMI RAMAKRISHNAN	UNDER SECRETARY	12925
46	Shri. U. S RAWAT	PRINCIPAL PRIVATE SECRETARY	12925
47	Shri. JAI PRAKASH	PRINCIPAL PRIVATE SECRETARY	12925

48	Shri. PRAKASH EKKA	SECTION OFFICER	7500
49	Shri. MATIAS BIHAN	SECTION OFFICER	7500
50	Shri. SHANKAR LAL BAIRWA	SECTION OFFICER	8000
51	Shri. S. K. GAIROLA	SECTION OFFICER	8700
52	Shri. R. N. DHANJAL	SECTION OFFICER	8900
53	Shri. ARUN KUMAR	SECTION OFFICER	8000
54	Shri. D. KUJUR	SECTION OFFICER	8000
55	Shri. ANIL KUMAR	SECTION OFFICER	8550
56	Mr. K SRINIVASU	SECTION OFFICER	8000
57	Shri. YOGINDER SINGH	SECTION OFFICER	8275
58	Shri. HIMANSHU GANDHI	SECTION OFFICER	8550
59	Shri. V P GULATI	SECTION OFFICER	9100
60	Mrs. KIRAN GUPTA	JUNIOR ANALYST	9900
61	Shri. C. L. CHOUDHARY	JUNIOR ANALYST	8900
62	Dr. PEYUSH GOEL	JUNIOR ANALYST	8500
63	Shri. K K DASH	JUNIOR ANALYST	7700
64	Shri. ARVIND THAPLIYAL	JUNIOR ANALYST	7900
65	Smt. RUGMINI M MENON	JUNIOR ANALYST	8300
66	Shri. SAJIT KUMAR DAS	JUNIOR ANALYST	7500
67	Miss. ARCHANA SINHA	JUNIOR ANALYST	3450
68	Shri. K J JOY	JUNIOR ACCOUNTS OFFICER	6025
69	Smt. USHA BASHYAM	JUNIOR ACCOUNTS OFFICER	6200
70	Shri. K K VERMA	ASSISTANT	8300
71	Shri. B. CHANDNA	ASSISTANT	7700
72	Shri. JAI PRAKASH	ASSISTANT	7500
73	Shri. S. K. BHANOT	PRIVATE SECRETARY	13250
74	Shri. SURESHANAND	PRIVATE SECRETARY	11575
75	Shri. J. N. SHARMA	PRIVATE SECRETARY	12600
76	Shri. RAJESH CHANDWANI	PRIVATE SECRETARY	8100
77	Shri. ANIL KUKRETI	PRIVATE SECRETARY	7900
78	Shri. JETINDER PRABHAKAR	PRIVATE SECRETARY	8100
79	Mrs. S. R. BHATIA	PERSONAL ASSISTANT	8900
80	Shri. S. K. DOBHAL	PERSONAL ASSISTANT	8300
81	Smt. ANITA	PERSONAL ASSISTANT	6700
82	Ms SUKHNINDER KAUR	PERSONAL ASSISTANT	6500
83	Shri. RAJENDER BALI	SR.HINDI TRANSLATOR	8500
84	Shri. SURENDER KUMAR	JR,HINDI TRANSLATOR	6375

	ROHILLA		
85	Smt. BHARATI	STENOGRAPHER	4900
86	Shri. PRADEEP RANA	STENOGRAPHER	4900
87	Shri. PRAMODH KUMAR GHILDIYAL	STENOGRAPHER	4400
88	Ms LAXMI BAI MEENA	STENOGRAPHER	4000
89	Shri. V J POLI	UPPER DIVISION CLERK	5200
90	Shri. RANJIT SINGH	UPPER DIVISION CLERK	5200
91	Smt. MADHU SHARMA	UPPER DIVISION CLERK	5200
92	Shri. A K HALWASIA	UPPER DIVISION CLERK	5200
93	Shri. SUNIL KUMAR	UPPER DIVISION CLERK	5200
94	Smt. SUSHMITA ROY	UPPER DIVISION CLERK	5200
95	Shri. D P YADAV	UPPER DIVISION CLERK	5300
96	Shri. HANSRAJ KUMAR	UPPER DIVISION CLERK	4300
97	Shri. NARENDER KUMAR	UPPER DIVISION CLERK	4200
98	Shri. SANSAR CHAND	UPPER DIVISION CLERK	4300
99	Smt. UTTRA YADAV	LOWER DIVISION CLERK	3425
100	Shri. YOGENDRA KUMAR	LOWER DIVISION CLERK	3725
101	Smt. SUSHILA NEGI	RECEPTIONIST	4700
102	Shri. WILLIAM	PHOTO-MACHINE-OPERATOR	4030
103	Shri. SATISH KUMAR	PHOTO-MACHINE-OPERATOR	4030
104	Shri. AFLATOON	DESPATH RIDER	3725
105	Smt. INDU GUPTA	DATA ENTRY OPERATOR GRADE-'D'	6725
106	Smt. ALKA MANKAD	DATA ENTRY OPERATOR GRADE-'D'	6725
107	Smt. ANITA BHATIA	DATA ENTRY OPERATOR GRADE-'D'	6725
108	Smt. SONIA MAHAESWARI	DATA ENTRY OPERATOR GRADE-'D'	6725
109	Shri. PREM LAL	DATA ENTRY OPERATOR GRADE-'D'	6725
110	Shri. VINOD KUMAR	DATA ENTRY OPERATOR GRADE-'D'	6725
111	Shri. RAVI BHASKAR	JUNIOR TECHNICAL ASSISTANT	6650
112	Shri. VIVEK BHATNAGAR	JUNIOR TECHNICAL ASSISTANT	2117
113	Shri. SUNIL NAYAK	JUNIOR TECHNICAL ASSISTANT	6350
114	Shri. SANJEEV SARIVASTAVA	JUNIOR TECHNICAL ASSISTANT	6050

115	Shri. ONKAR NATH TIWARI	JUNIOR TECHNICAL ASSISTANT	5750
116	Shri. B. C. PANT	DATA ENTRY OPERATOR GRADE-'B'	6500
117	Smt. SEEMA JAIN	DATA ENTRY OPERATOR GRADE-'B'	6350
118	Shri. ASHOK KUMAR	DATA ENTRY OPERATOR GRADE-'B'	6350
119	Smt. KUSUM CHOUDHARY	DATA ENTRY OPERATOR GRADE-'B'	6200
120	Shri. VIPIN CHANDRA	DATA ENTRY OPERATOR GRADE-'B'	5875
121	Mrs. RASHMI	DATA ENTRY OPERATOR GRADE-'B'	5750
122	Smt. RAJNI DOGRA	DATA ENTRY OPERATOR GRADE-'B'	5625
123	Shri. R. RENGANATHAN	DATA ENTRY OPERATOR GRADE-'B'	5500
124	Shri. ANIL KUMAR KAMBOJ	DATA ENTRY OPERATOR GRADE-'B'	5250
125	Smt. RAJNI KUSHWAHA	DATA ENTRY OPERATOR GRADE-'B'	5125
126	Shri. MOHD. FARUK	EEQ-OPTR-CUM- PHOTOGRAPHER	4700
127	Shri. S K BHATTACHARYA	MANAGER GRADE-III	4390
128	Shri. HARI BHAN	HALWAI	4500
129	Shri. PURAN SINGH	LIBRARY ATTENDANT	3800
130	Shri. SURAJ PAL	SENIOR PEON	3720
131	Shri. SRI PAL	DAFTRY	4025
132	Shri. RADHAKRISHAN	FARASH (ACP)	3650
133	Shri. SURESH KUMAR	FARASH (ACP)	3440
134	Shri. CHARAN DAS	SAFAIWALA	3580
135	Shri. ASHOK KUMAR	SAFAIWALA	3580
136	Shri. HANS RAJ SINGH	SAFAIWALA	3510
137	Shri. GAIN CHAND	SAFAIWALA	3650
138	Shri. RAM PAL	SAFAIWALA	3440
139	Shri. AMIR CHAND	PEON-CUM-MESSENGER	3580
140	Shri. CHETAN SHARMA	PEON-CUM-MESSENGER	3440
141	Shri. RAJ KUMAR	PEON-CUM-MESSENGER	3580
142	Shri. RODAS KUMAR	PEON-CUM-MESSENGER	3510
143	Shri. DEV RAJ	PEON-CUM-MESSENGER	3510
144	Shri. LEKH RAJ	PEON-CUM-MESSENGER	3580
145	Shri. CHANDER BHAN	PEON-CUM-MESSENGER	3580

146	Shri. VED PRAKASH	PEON-CUM-MESSENGER	3580
147	Shri. DHARAM VIR BANSAL	PEON-CUM-MESSENGER	3720
148	Shri. DAYA RAM MEENA	PEON-CUM-MESSENGER	3510
149	Shri. ASHOK KUMAR	PEON-CUM-MESSENGER	4025
150	Shri. PRAKASH CHAND	PEON-CUM-MESSENGER	4325
151	Shri. BABU LAL	PEON-CUM-MESSENGER	4175
152	Shri. RAM PRASAD	PEON-CUM-MESSENGER	4400
153	Shri. MAHAVIR SINGH	PEON-CUM-MESSENGER	3510
154	Shri. SUNDER LAL	PEON-CUM-MESSENGER	3510
155	Shri. RAJINDER	PEON-CUM-MESSENGER	3510
156	Smt. MEENA DEVI	PEON-CUM-MESSENGER	3510
157	Shri. SURESH CHAND	PEON-CUM-MESSENGER	3440
158	Shri. AZAD SINGH	PEON-CUM-MESSENGER	3440
159	Smt. SHASHI JUYAL	PEON-CUM-MESSENGER	3140
160	Shri. SHIV PRASAN MEHTO	PEON-CUM-MESSENGER	3140
161	Shri. PREM PAL	BEARER	3590
162	Shri. RAKESH KUMAR	BEARER	3590
163	Shri. BIR PAL	TEA MAKER	3590
164	Shri. RAMESH CHAND	WASH BOY	3475
165	Shri. PRAKASH CHAND	STAFF CAR DRIVER	5250
166	Shri. JAIPAL SINGH	STAFF CAR DRIVER	5250
167	Shri. FAYYAZ AHMED	STAFF CAR DRIVER-II	4400
168	Shri. BAIJNATH MANJHI	STAFF CAR DRIVER-II	4400
169	Shri. RAM GOPAL	STAFF CAR DRIVER(OG)	4475
170	Shri. SHIV DUTT	CHOWKIDAR	3580
171	Shri. SUBHASH SINGH	CHOWKIDAR	3510
172	Shri. TRILOKI MEHTO	CHOWKIDAR	3510
173	Shri. GANESH	MALI	3440
174	Smt. POORNIMA JAYASANKAR	PERSONAL ASSISTANT(ADHOC)	6700
175	Smt. RENU SHARMA	PERSONAL ASSISTANT(ADHOC)	6700
176	Shri. NANDAN SINGH NEGI	PERSONAL ASSISTANT(ADHOC)	6700
177	Shri. AJAY KUMAR JUNEJA	PERSONAL ASSISTANT(ADHOC)	6700
178	Shri. ASHOK KUMAR	PERSONAL ASSISTANT(ADHOC)	7100
179	Mrs. PUSHPA BHANDARI	PERSONAL ASSISTANT(ADHOC)	7100
180	Mr. SURESH KUMAR	PERSONAL	6700

		ASSISTANT(ADHOC)	
181	Shri. GIRENDRA KUMAR MATHUR	PERSONAL ASSISTANT(ADHOC)	7100
182	Smt. NIRMAL SHARMA	PERSONAL ASSISTANT(ADHOC)	7100
183	Shri. NALWA SAHIB	PERSONAL ASSISTANT(ADHOC)	7500
184	Shri. RAJESH KUMAR	PERSONAL ASSISTANT(ADHOC)	7100
185	Shri. C PAUL MOHAN	PERSONAL ASSISTANT(ADHOC)	7100
186	Shri. J. N. TRIPATHI	PERSONAL ASSISTANT(ADHOC)	7053
187	Shri. T C GHARIA	ASSISTANT(ADHOC)	7500
188	Smt. GOMATHI	ASSISTANT(ADHOC)	6700
189	Shri. LAJPAT RAI GULATI	ASSISTANT(ADHOC)	6700
190	Shri. RAJESHWAR	ASSISTANT(ADHOC)	6700
191	Smt. NEELAM BUBLANI	ASSISTANT(ADHOC)	6700
192	Smt. SARLA KHIANI	ASSISTANT(ADHOC)	6700
193	Smt. RAJBALA GARG	ASSISTANT(ADHOC)	6500
194	Smt. REENA GHOSH	Jr.HINDI TRANSLATOR(ACP)	7900
195	Shri. A. K. HARIT	STATISTICAL ADVISER	18400
196	Shri. PYARE LAL	CARETAKER	4270
197	Shri. C K SHARMA	PRIVATE SECRETARY (AD-HOC)	9300
198	Smt. RENU JAIN	UPPER DIVISION CLERK(ADHOC)	3800
199	Shri. PANKAJ KUMAR	UPPER DIVISION CLERK(ADHOC)	4000
200	Smt. BABITA SAINI	STENOGRAPHER	5100

12. The Budget Allocated to each Agency

Demand No.83	
DEPARTMENT OF BIOTECHNOLOGY	
DETAILS OF THE BUDGET FOR DIFFERENT ACTIVITIES UNDER DIFFERENT SCHEMES FOR THE YEAR 2007-2008	
12.01	FOR PUBLIC AUTHORITIES RESPONSIBLE FOR DEVELOPMENT, CONSTRUCTION, TECHNICAL WORKS.
	Information may be treated as 'Nil'.
12.02	FOR OTHER PUBLIC AUTHORITIES
(Rs. In Lakhs)	

S. No.	HEAD OF ACCOUNT MAJOR HEAD/MINOR/DETAILED HEAD	PROPOSED BUDGET	SANCTIONED BUDGET	AMOUNT RELEASED/ DISBURSED (NO. OF INSTALLMENTS)
	MAJOR HEAD '3425'			
1	Scientific Institutions/Professional Bodies			
1.01	National Institute of Immunology			
	Grants-in-Aid	3600.00	3600.00	1800.00
1.02	National Centre for Cell Science			
	Grants-in-Aid	3150.00	3150.00	2720.00
1.03	Centre for DNA Finger Printing and Diagnostics			
	Grants-in-Aid	2160.00	2160.00	860.00
1.04	National Brain Research Centre			
	Grants-in-Aid	1710.00	1710.00	802.00
1.05	National Centre for Plant Genome Research			
	Grants-in-Aid	1300.00	1300.00	650.00
1.06	Institute of Bioresources & Sustainable Development			
	Grants-in-Aid	400.00	400.00	0.00
1.07	Institute of Life Sciences			
	Grants-in-Aid	1000.00	1000.00	500.00
	Scientific Institutions/Professional Bodies	13320.00	13320.00	7332.00
2	Human Resource Development	3060.00	3060.00	2581.55
3	Bioinformatics	2250.00	2250.00	1296.25
4	Research and Development	21600.00	21600.00	13307.36
5	Biotechnology for Societal Development	1350.00	1350.00	522.15
6	Grand Challenge Programme	4500.00	4500.00	3258.80
7	Programme for Promotion of Excellence and Innovation	4770.00	4770.00	2505.54
8	Biotech Facilities	2250.00	2250.00	1236.91
9	I&M Sector - Assistance for Technology Incubators, Pilot Projects, Biotechnology Parks, and Biotech Development Fund	900.00	900.00	53.04
10	I&M Sector - Public Private Partnership	5400.00	5400.00	2734.88
11	International Cooperation	1350.00	1350.00	918.09
12	North Eastern Areas	6750.00	6750.00	5.28
	TOTAL =	67500.00	67500.00	35751.85

Particulars of Recipients of Concessions, permits or authorization granted by it

Academic Institutions and those institutions involved in research and development all over India.

13. Norms set by it for the discharge of its functions

The details of commitments, values, standards, enquiries and mode of implementation mentioned in the Citizen's Charter are as follows :

Commitments

1. To be courteous, polite and prompt in dealing with public.
2. To pledge to uphold confidentiality of information disclosed.
3. It shall be the endeavor to simplify the procedures consistent with the need of the Government to minimize delays in the decision making process.
4. Consultation with the scientists, the industry and people of different walks of life to review policies and procedures and bring in changes at the earliest to provide prompt benefits to the public in the form of improved services.
5. To upgrade the information system to introduce computerized operations as early as possible.
6. To promptly bring out to the public any changes in major policies and procedures through publicity in journals, magazines, seminars etc.
7. To facilitate the scientists and the entrepreneurs in promoting technology transfers, establishing a strong relationship among the academia, research institutes and industry, guiding for entrepreneurships and securing protection to inventions emanating from Indian labs.
8. To generate eco-friendly and consumer acceptable, easy-to-use and affordable biotech products and services for the common man.
9. To harness the fruits of biotechnology research for sustainable socio-economic development of the country.

Values

Fully committed to integrity, courtesy, transparency, promptness and respecting human values.

Standards

1. To respond to public inquiries promptly.
2. R&D Projects and other fund seeking projects: To acknowledge the receipt promptly. To process the projects as early as possible and to communicate the decision to the applicants thereafter.
3. Industrial applications: Shall dispose off all issues referred to the department as early as possible. Applicants would be kept informed on matters requiring longer time for disposal.
4. Recombinant DNA research and applications: All applicants would be intimated about the decision immediately from the receipt of initial queries. Applicants would be kept informed on issues requiring longer time of disposal.

5. Seminar / Symposia: All applications will be acknowledged promptly and the final outcome will be made known well in advance before the due date of the Seminar / Symposia to the applicants, in case of applications complete in all respects.

Enquiries

To be dealt with by the individual scientific programme officers and to settle complaints relating to R&D projects and other technical matters promptly. If the complaint remains unanswered the complainant can bring it to the notice of the concerned Group Leader.

14. The Information related to various schemes which are available in electronic format in the Department of Biotechnology

1. DBT Website (<http://www.dbtindia.gov.in>)

Site Map

ABOUT DBT

ORGANIZATION

- **SAC-DBT**
- **SAC-O**
- **BRPC**
- **TASK FORCES**
 - **Agriculture Biotechnology**
 - **Animal Biotechnology**
 - **Aquaculture and Marine Biotechnology**
 - **Basic Research Modern Biology**
 - **Biodiversity Conservation and Environment**
 - **Biofertilizers**
 - **Bioinformatics**
 - **Biopesticides and Crop Management**
 - **Biotech Product and Process Development**
 - **Biotechnology Programmes for SC/ST & Rural population**
 - **Biotechnology Programme for Women**
 - **Food and Nutrition Security**
 - **Human Genetics and Genome Analysis**
 - **Human Resource Development**
 - **Infrastructure & Centers of Excellence.**
 - **Medicinal and Aromatic Plants**
 - **Medical Biotechnology, Immunology diagnostics and vaccines**
 - **Plant Biotechnology**
 - **Seri biotechnology**
 - **Stem Cell Biology**
- **ADMINISTRATION**
- **SCIENTIFIC GROUPS**
- **INTEGRATED FINANCE**

CHARTER

Mission

Modalities of Implementation

General

Grievance Machinery

Staff Welfare

Office Automation

Progressive Use of Official Language in the Department

PROGRAMMES

HUMAN RESOURCE DEVELOPMENT

BIOINFORMATICS

INFRASTRUCTURE FACILITIES

- **BIOTECH FACILITIES**
- **PROGRAMME SUPPORT AND CENTER FOR EXCELLENCE**

• **AREAS OF RESEARCH**

- **BASIC RESEARCH**
- **AGRICULTURE**

CROP BIOTECHNOLOGY

BIOFERTILIZERS

BIOPESTICIDES AND CROP MANAGEMENT

ANIMAL BIOTECHNOLOGY

AQUACULTURE

- **PLANT BIOTECHNOLOGY**

PLANT TISSUE CULTURE

BIOPROSPECTING AND MOLECULAR TAXONOMY

BIOFUELS

MEDICINAL AND AROMATIC PLANTS

MEDICAL BIOTECHNOLOGY

- **VACCINES**
- **DIAGNOSTICS**
- **DRUG DEVELOPMENT**

- HUMAN GENETICS AND GENOME ANALYSIS
- SERI BIOTECHNOLOGY
- STEM CELL
- FOOD BIOTECHNOLOGY
- ENVIRONMENTAL BIOTECHNOLOGY
- BIOTECH PRODUCT AND PROCESS DEVELOPMENT
- SOCIETAL DEVELOPMENT
 - Women Biotechnology
 - Programme for Rural Areas
 - SC/ST Population
- INTERNATIONAL COOPERATION
- JAI VIGYAN NATIONAL S & T MISSIONS
- NATIONAL BIORESOURCES BOARD
- PATENT FACILITATING CELL

INSTITUTIONS

AUTONOMOUS INSTITUTIONS

- Centre For DNA Fingerprinting And Diagnostics (CDFD), Hyderabad
- Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur
- Institute of Life Sciences, Bhubaneswar
- National Institute Of Immunology, New Delhi
- National Institute For Plant Genome Research (NIPGR), JNU, New Delhi (<http://www.ncpgr.nic.in>)
- National Bioresource Development Board
- National Brain Research Centre (NBRC), Gurgaon
- National Centre For Cell Sciences, Pune

PUBLIC SECTOR UNDERTAKINGS

- Bharat Immunologicals & Biologicals Corporation Limited, Bhubaneswar
- Indian Vaccines Corporation Limited, Gurgaon

PROFORMA FOR SUBMISSION OF RESEARCH PROJECTS FOR FINANCIAL SUPPORT

Proforma-I	For submission of R & D and Demonstration Projects.
Proforma-II	For submission of projects under Biotechnology- based programmes for SC/ST population.
Proforma-III	For submission of projects under Biotechnology-based programmes for Rural Development.
Proforma-IV	For submission of projects under Biotechnology-based programmes for Women

Proforma-V	For submission of Bioinformatics R & D Projects
Proforma-VI	For submission of Projects under Human Resource Development Programme (M.Sc./ M.Tech./ M.V.Sc Biotechnology)
Proforma-VII	For submission of application for financial assistance for holding National /International Seminar / Symposium / Conference on thrust areas of "BIOTECHNOLOGY"
Proforma-VIII	For Submission of Application form for Travel Support.
Proforma-IX	For submission of application proforma for financial assistance for organizing popular lectures on Biotechnology by experts
Proforma-X	For submission of proposals for conducting short term training courses in "Biotechnology"
Proforma-XI	For submission of project proposals on creation of Infrastructural Facilities.

PUBLICATIONS

- **Annual Reports**
- **DBT Newsletter**
- **Applications & Proformae**
- **Biotechnology - A Vision**
- **Biotechnology - In Pursuit of Excellence and Relevance for Human Kind**

WOMEN S&T

- **Discussion Forum**
- **Pre-conference Proceedings**
- **Post conference Proceedings**
- **Participants List**
- **Recommendations**
- **Programme**

POLICIES

- **National Biotechnology Development Strategy (Draft)(MS WORD Format) (PDF Format)**
- **Regulatory Reforms in Biotechnology**
- **Ethical Policies on the Human Genome, Genetic Research & Services**
- **r-DNA Vaccines Guidelines**
- **Ethical Issues And Consent Process Pertaining To Stem Cell Research**

DATABASES

- List of projects approved by DBT for funding

RESEARCH FELLOWSHIPS

India joins TWAS in promoting South-South cooperation in science through Biotechnology fellowships for doctoral and postdoctoral studies

AWARDS

- NATIONAL WOMAN BIOSCIENTIST AWARDS
- NATIONAL BIOSCIENCE AWARDS FOR CAREER DEVELOPMENT

- Biotech Product & Process Development & COMMERCIALIZATION AWARDS

Guidence for the students who wants to pursue career in Biotechnology

BIORESOURCES TRAINING : FEEDBACK FORM

10+2 Scholarships

Post Graduate & Post Doctoral fellowships

MSc Biotechnology Syllabus

2. BTISNET Website (<http://btisnet.gov.in>)

Site Map

ABOUT BTISNET

Introduction

Structure

Task Force

Objectives

Achievements

BTISNET CENTRES

Apex Centre

Centres of Excellence

Distributed Information Centres

Distributed Information Sub Centres

PROGRAMMES

Graphic Facilities

Mirror Sites

HRD in Bioinformatics

R&D in Bioinformatics

BIOGRID INDIA

FELLOWSHIP

TRAINING

Traineeship & Studentship

Training at DIC & Sub-DIC

RESOURCES

Database

Software

MEETINGS

Coordinators meet

Reports

PUBLICATIONS

STRATEGY

SERVICES

3. Scientific Areas

Project Monitoring System (PMS):

The Department of Biotechnology is providing financial support to various organizations to promote Biotechnology R&D and industrial activities. Starting

from receiving a project till its completion, all the activities are monitored and effectively managed through this PMS. The approved projects of DBT is made available through DBT website.

2. CONSORTIUM ON MICROPROPAGATION RESEARCH AND TECHNOLOGY DEVELOPMENT

Micropropagation, a proven means of producing millions of identical plants by culturing plant tissues or organs under germ-free conditions, is an essential component of plant biotechnology. India has pioneered a number of discoveries in the field of plant tissue culture.

Unfortunately, till a decade ago most of these remained confined to the laboratory. However, with DBT's initiative several plant tissue culture laboratories and commercial facilities have been set up, which are generating quite a large number of tissue culture-raised commercial crops and forest trees. To bridge the gap between research and the field and also to testing commercial crops, the DBT (Department of Biotechnology), Government of India, took the initiative of setting up pilot-scale facilities for mass cloning, testing clonal fidelity through molecular markers and established facilities for virus certifications. Apart from protocols, products, these facilities also generate information during different stages of research and production. In order to effectively disseminate this information and the benefits of tissue culture in India, Department of Biotechnology, Government of India has established this Consortium on Micropropagation Research and Technology Development. For more information please visit <http://www.dbtmicropropagation.nic.in>.

15. Particulars of the facilities available to citizens for obtaining information

1. Website of the Department
2. Annual Reports
3. Notice Board
4. Participation in Exhibitions on Biotechnology organized at various places including outside the country
5. Through News papers
6. Training calender (Published every year from BTIC)
7. Guidelines on various subjects.
8. News Letters
9. Technical Brouchres

Kalisena-An ecofriendly biopesticides-cum-biofertilizers from *Aspergillus niger* AN27. (IARI, New Delhi)

Steinernema carpocapsae-A potential biopesticide (Nematode DD-136) for major pest of Commercially important vegetables. (Allahabad Agricultural Institute, Allahabad-211007)

Sugarcane protection from *Chilo sacchariphagus indicus* using pheromone technology. (SPIC Science Foundation, Chennai –600 032)

Control of ESB in Sugarcane (SPIC Science Foundation, Chennai –600 032)

Nemic germplasm collections for fundamental and applied research services. (IARI, New Delhi)

Biopesticides for pest and disease management. (TNAU Coimbatore, Tamil Nadu)

Biopesticides for disease management in tea. (TES, Tea Research Association, Jorhat-785 008, Assam)

Neem- The fascinating biocontrol agent for the control of virus vectors and diseases of plants. (University of Lucknow-226 007)

Neem products for nematode management in pulse crops. (IARI, New Delhi)

Yeast bio-formulation for post-harvest disease management. (University of Lucknow, Lucknow)

Development of Lepidopteran cell lines for baculovirus studies. (National Institute of Virology, ICMR, Pune, Maharashtra)

Fungal bioagents for the management of root-knot nematode infecting vegetables. (IARI, New Delhi)

Biotic Stresses in Tobacco. (CTRI, Rajahmundry, A.P.)

Development of Biocontrol agent for the control of pests in agriculture using chitin as a target.(NCL, Pune)

Nomuraea rileyi : A potential biocontrol agent (UAS, Dharwad, Karnataka)

Integrated management of diseases and insects of tomato, chilli and cole crops. (IIVR, Varanasi)

Amrood phal rog : Nidan evam jaiwik niyantran (in Hindi) (Bioved Research & Communication Centre, Allahabad)

Biological control of Fsarial wilt and root knot of legumes (AMU, Aligarh)

16. Other Useful Information

1. . **Application fee** - Rs.10/- in the name of Drawing & Disbursement Officer, DBT.
2. . **Appellate authorities:**
 - (a) For Administrative and other matters: **Shri N. S. Samant, Joint Secretary**, Room No. 711, Block No. 2, CGO Complex, Lodi Road, New Delhi-3.
 - (b) For Scientific matters: **Dr. S. Natesh, Sc. 'H'**, Room No. 714, Block No. 2, CGO Complex, Lodi Road, New Delhi-110 003.
