

ANNUAL REPORT  
2011 - 12



**National Biodiversity Authority**

(An Autonomous and Statutory body under the  
Ministry of Environment and Forests, Government of India)




सत्यमेव जयते

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TICEL Bio Park, 5th Floor, CSIR Road, Taramani, Chennai - 600 113



Published by

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Ministry of Environment and Forests, Government of India)

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## **Dr. Balakrishna Pisupati**

Chairman,  
National Biodiversity Authority,  
Chennai



# Foreword

**B**iodiversity is the variety of life on Earth. India is one of the megabiodiverse countries in the world harbouring significant biological wealth and associated traditional knowledge.

The Government of India has enacted the Biological Diversity Act, 2002 to fulfill its obligations as a contracting party to the Convention on Biological Diversity (CBD).

The Act mandates implementation through a decentralized system with the National Biodiversity Authority at national level, the State Biodiversity Boards at State level and Biodiversity Management Committees at local body level.

I am thankful to the Ministry of Environment and Forests and the Hon'ble Members of the Authority, for their efforts to achieve the objectives of the Act and mandate of the National Biodiversity Authority.

I wish to place on record my appreciation to the officers and staff of the NBA and all those who have contributed in bringing out this Annual report. I hope that the publication will provide a glimpse of the activities carried out during the year 2011-12.

**Balakrishna Pisupati,**  
Chairman, NBA



## **C. Achalender Reddy, IFS.,**

Secretary,  
National Biodiversity Authority,  
Chennai



# *Acknowledgements*

**A**nnual report of the National Biodiversity Authority for the year 2011-12 compiled as per provisions of section 28 of the Biological Diversity Act, 2002 reflects the activities carried out by the NBA besides giving glimpse of the achievements of the implementation of the Act.

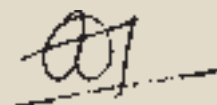
I sincerely thank the Chairman, NBA for his valuable advice and continued motivation in all our endeavours without which we could not have achieved set goals in an effective manner.

I express my deepest gratitude to the Ministry of Environment and Forests for the continued guidance, support and assistance extended in effective implementation of the provisions of the Biological Diversity Act, 2002.

I am pleased to place my sincere thanks to the Members of the Authority and Expert Committees for having offered invaluable assistance, support and guidance in furthering the activities of the secretariat of NBA.

I acknowledge with gratitude the complementary role of the Chairpersons and Member Secretaries of State Biodiversity Boards in compiling this report. I also thank the Principal Director of Audit (Scientific Audit) for having furnished the Audit Certificate in time.

I wholeheartedly appreciate the efforts of all the officers and staff of the NBA Secretariat in bringing out this report.

A handwritten signature in black ink, appearing to be 'C. Achalender Reddy', written over a horizontal line.

**C. Achalender Reddy**  
Secretary, NBA



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## 1

## Executive summary

India harbours a rich diversity of life at ecosystem, species and varietal levels and is a vast repository of traditional knowledge associated with biological resources. India is a signatory to the Convention on Biological Diversity (CBD).

In response to its obligations to the CBD and in order to provide a national framework to deal with conservation, sustainable use and fair and equitable sharing of benefits from such use, Government of India enacted the Biological Diversity Act in 2002 (BD Act) and notified relevant Rules in 2004.

Realizing the need to ensure action at national, regional and local levels, the Act calls for implementation through the establishment of National Biodiversity Authority (NBA), the State Biodiversity Boards (SBBs) and Biodiversity Management Committees (BMCs). Each of these entities is a statutory and autonomous body with specific mandates and powers to facilitate effective implementation of provisions of the Act and the Rules.

NBA's mandate is to advise the Government of India on matters relating to conservation of biodiversity, sustainable use of its components and equitable sharing of benefits arising out of utilisation of biological resources; regulate activities and issue guidelines for access to bioresources and fair and equitable benefit sharing in accordance with the Sections 3, 4 and 6 of the Biological Diversity Act and take necessary measures to oppose the grant of intellectual property rights in any country outside India on any biological resource obtained from India or knowledge associated with such biological resource derived from India illegally.

At the State level, State Biodiversity Boards (SBBs) are established by the State Governments with the authority to deal with matters relating to access to bioresources by Indians for commercial purposes and restrict any activity which violates the objectives of conservation, sustainable use and fair and equitable sharing of benefits. The BMCs are set up by institutions of local self-government in their respective areas for

conservation, sustainable use, and documentation of biodiversity and chronicling of knowledge relating to biodiversity. The NBA provides technical guidance and financial assistance to the SBBs and BMCs and thereby plays a lead role in enhancing the effective implementation of the provisions of the BD Act.

The present report comprehensively deals with the activities undertaken and achievements during the year 2011-12 by the NBA.

With official and non-official members providing their inputs and guidance to shape the work of the NBA, five meetings of the Authority were held during 2011-2012. The key decisions arrived at during this period include, seeking of financial provision for NBA in the 12th five-year plan, approving guidelines for selection and management of Biodiversity Heritage Sites, the decision to proceed legally against unlawful access and use of local brinjal varieties without the prior approval of the Authority and various technical and administrative matters.

Expert Committees (EC) on various subjects constituted by NBA met several times in this year and suggested recommendations. The Expert Committee (task force) on BMC made several sittings and undertook field visits to Karnataka and north eastern states in order to prepare the draft guidelines for operationalization of BMCs in consultation with different stakeholders. The EC on agro-biodiversity which was reconstituted deliberated on draft Guidelines on exchange of germplasm developed by DARE/ICAR, emerging issues and challenges in the field of research, commercialization and related issues within the ICAR, CGIAR systems and compliance issues.

Considering the need to clarify the principles and operationalization of the Access and Benefit Sharing (ABS) issues, NBA established an expert committee on ABS in October 2005 to assist the Secretariat in reviewing and deciding on the ABS applications that results in legally binding ABS agreements with the users of India's biological resources. This

committee met four times in the course of the year and examined about 60 applications received by the NBA, for access of bioresources and/or associated knowledge, seeking no objection for obtaining IPR and third party transfer of bioresources. Approval was accorded for 7 applications which were transformed into agreements on mutually agreed terms to ensure benefit sharing.

A full review of the ABS applications was carried out to enhance the efficiency of decision making in a timely manner that resulted in streamlining engagement with SBBs, Government agencies and applicants. Being a techno-legal issue that has significant social and economic links, ABS related actions received considerable attention during the reporting period resulting in a series of capacity building and awareness raising programmes for diverse stakeholder groups ranging from SBBs to private sector.

In order to have focused capacity building activities related to implementing the ABS provisions at SBB and BMC levels, NBA began implementing the first national level ABS project under the Global Environment Facility (GEF), in five states in India, viz., Andhra Pradesh, Gujarat, Himachal Pradesh, Sikkim and West Bengal. This four-year project aims to develop specific pilots and models to deal with emerging issues on ABS implementation at local level, including development of pilot ABS agreements in the project states.



Securing high level policy support to implement the Biological Diversity Act and the Rules in India was possible through a United Nations Development Assistance Framework (UNDAF) project in India under United Nations Development Programme (UNDP) national project. This project, being piloted in the states of Madhya Pradesh and Jharkhand, has already started yielding results at the local levels by supporting and strengthening the institutional base, piloting innovative enterprise development and securing local livelihoods.

The second half of the year 2011-2012 received attention to strengthen the State Biodiversity Boards and establishment of the Biodiversity Management Committees. Support to SBBs was provided in the form of funding for recruitment of core personnel, undertaking specific pilot actions and securing linkages with other stakeholders at state level. This support resulted in better and efficient functioning of the SBBs which were otherwise besieged with issues of lack of manpower and outreach. Support to SBBs and local organisations across the country resulted in better awareness on issues related to BMC establishment (such as a state level initiative in Tamil Nadu and Kerala), their functioning (such as in Andhra Pradesh, Jharkhand, Madhya Pradesh), delivery of mandates (such as in Kerala, Gujarat, West Bengal) to name a few impacts. The seventh National meeting of the State Biodiversity Boards was organised in January 2012 that provided opportunities for direct engagement of SBBs on implementation of BD Act and Rules using innovative agenda that included organisation of “clinics” at the meeting.



Realising the importance of linking with stakeholder groups other than the SBBs and BMCs, the year saw some innovative approaches by NBA to connect with sectors such as economics and trade, banking and finance, industry and investment and with a range of

NGOs and CBOs in raising awareness about the Act and Rules and focusing on better implementation at national and local levels.

Recognizing that the face of NBA is its website, the website of NBA was revamped in January 2012 with provisions for user-friendly and interactive features. All the SBBs are now directly connected through this website along with a range of national, regional and international agencies that have potential contributions to make towards effective implementation of the Act and Rules. The number of visits to the website has now increased to around four lakhs per month with updates being provided on weekly basis. A special SBB and BMC component, a resource material page and special pages that provide explanations to the Act and Rules have been added to the website now.

With increasing awareness about the Act and Rules, NBA also felt it necessary to focus on issues that need better clarity and policy guidance to stakeholders. In this direction, a series of expert consultations such as the one on normally traded commodities (NTCs), economics of biodiversity and ecosystems, developing revisions to the People's Biodiversity Registers (PBRs), finalising the guidelines for BMCs and others were organized.



Based on an invitation from the Indian Science Congress Association, NBA organized a Special session on "Biodiversity Governance - Role of women" in the 99th Indian Science Congress held on 4th January 2012 at KIIT, Bhubaneswar, Odisha in collaboration with the Ministry of Environment and Forests. The outcomes of the discussions were included in a report prepared by National Biodiversity Authority on biodiversity governance that was launched in April 2012 as a background document for discussions in preparation for the United Nations Conference on Sustainable Development (UNSCD, Rio+20) as well as during the eleventh meeting of Conference of Parties to the Convention on Biological Diversity (CBD-CoP-11).

NBA in association with SEVA, Madurai and Life Network organized "National Breed Saviour Award

Ceremony 2011" at NBA premises, Chennai on 10th January 2012. Cash awards of Rs. 10,000 and certificates were distributed to 20 livestock keepers for conserving native livestock breeds in the respective breeding tracts in different states.



NBA has brought out an array of publications ranging from awareness creation fact sheets to biodiversity policy related books viz., fact sheets on activities of NBA/SBB/BMC, case studies on biodiversity and livelihoods, know Your Biological Diversity Act and Rules, tamil version of the PBR format, proceedings of the National Consultation cum workshop on PBR and proceedings of 7th SBB meeting and others.

NBA also initiated the "Pledge for life" campaign targeting the school children across the country to raise awareness about biodiversity and seek their commitment to conserve and suitably manage our bioresources.



With India hosting the eleventh meeting of Conference of Parties to the CBD (CBD-CoP 11) in October 2012, the NBA is already to assist the Ministry of Environment and Forests and other stakeholder groups to deliver on a successful and impactful CoP-11 meeting.

The Annual Accounts for 2011-12 and Annual Plan for 2012-13 are also dealt with in this report.

Earth's biological resources are vital to humanity's economic and social development. As a result, there is a growing recognition that biological diversity or biodiversity is a global asset of tremendous value to the present and future generations. Biodiversity encompasses the variety of all life on the earth including terrestrial, marine and other aquatic ecosystems. It comprises of diversity at three levels: genetic diversity (within species), species diversity (between species) and ecosystem diversity.

India is one of the 17 mega-diverse countries in the world covering an area of 329 Mha and is the seventh largest country in the world. With only 2.5% of the land area, it accounts for 7-8% of the global recorded species. The varied edaphic, climatic and topographic conditions and years of geological stability have resulted in wide range of ecosystems and habitats such as forests, mountains, grasslands, wetlands, deserts, coastal and marine ecosystems.

India has ten biogeographic zones. It is endowed with vast forest resources. The recent report of Institute of Forest Genetics and Tree Breeding (ICFRE) states that the total forest and tree cover of the country is 23.81% of the geographic area. The recorded forest extends to 23.41% covering an area of 76.96 Mha.

India houses 4 of 34 global biodiversity hotspots, which is an indicator of high degree of endemism in India. About 5,150 plant and 1,837 animal species are endemic. India is one of the eight primary centers of origin of cultivated plants with about 379 closely related wild species including rice, pulses, millets, vegetables, fruits and fiber plants. There are nearly 255 breeds including regional, international trans-boundary domesticated animals such as cattle, sheep, goat, camel, horse and poultry in India. India stands seventh in the world in terms of contribution of species to agriculture and animal husbandry, the second largest producer of fresh fruits and vegetables globally and the largest exporter of spices and cashew.

India accounts for about 5% of the world's mangroves, including Sundarbans delta-the largest mangrove forest in the world. Coral reefs in India occupy an extent of 2375 sq. km., including the Andaman Islands, which have rich coral diversity. The Sacred

Grove Information System holds data on 3000 groves in the country out of an estimated number of 100,000. India is also equally rich in traditional and indigenous knowledge, both coded and informal.

A network of 668 Protected Areas has been established, extending over 1,61,221.57 sq. kms. (4.90% of total geographic area), comprising 102 National Parks, 515 Wildlife Sanctuaries, 47 Conservation Reserves and 4 Community Reserves. 39 Tiger Reserves and 28 Elephant Reserves have been designated as species-specific reserves for management of tiger and elephant habitats. UNESCO has designated five Protected Areas in India as World Heritage Sites. As the ecosystems and species do not recognize political borders, the concept of Trans-boundary Protected Areas has been initiated for coordinated conservation of ecological units and corridors with bilateral and/or multilateral cooperation of the neighboring nations.

The unprecedented loss of biological diversity at global level resulted in convening of various conferences and conventions at international level, which expressed serious concerns over this depleting bioresources and culminated in the Convention on Biological Diversity at the Earth Summit in Rio de Janeiro in June, 1992. As stated earlier, India is a party to this Convention along with 193 countries and enacted a significant piece of legislation called the "The Biodiversity Act (BD Act), 2002". This is in conformity with the avowed principles of the Earth Summit with focus on (i) conservation of biological diversity; (ii) sustainable use of its components; and (iii) fair and equitable sharing of benefits arising out of utilization of bioresources. The BD Act provides for creation of an autonomous body for implementing its provisions. Thus came into being the National Biodiversity Authority.

#### Functions of NBA

- ◆ Advise the Government of India on matters relating to conservation of biodiversity, sustainable use of its components and fair and equitable sharing of benefits arising out of utilization of biological resources.
- ◆ Regulate activities and issue guidelines for access to biological resources and for fair and equitable benefit sharing in accordance with

sections 3, 4 and 6 of the Biological Diversity Act, 2002. Certain individuals/ nationals/ organizations require prior approval of NBA for obtaining biological resources and/or associated knowledge for use.

- ◆ Take necessary measures to oppose the grant of intellectual property rights in any country outside India on any biological resource obtained from India or knowledge associated with such biological resource derived from India illegally.
- ◆ Advise the State Governments in the selection of areas of biodiversity importance to be notified as heritage sites and suggest measures for their management.
- ◆ NBA and SBB provide guidance and technical support to Biodiversity Management Committees for documenting People's Biodiversity Registers.
- ◆ Perform such other functions as may be necessary to carry out the provisions of BD Act.

The SBBs are established by the State Governments by notification in the official gazette in accordance with Section 22 of the Act. For the Union Territories, NBA shall exercise the powers and functions of SBB. NBA may delegate all or any of its powers or functions to such person or group of persons as specified by the Central Government.

The SBBs are established by the State Governments with a Chairperson, five ex-officio members representing the departments concerned and five members appointed from experts in matters relating to conservation of biological diversity, sustainable use of biological resources and fair and equitable sharing of benefits arising out of their use.

#### Functions of SBB

- ◆ Advise the State Governments, subject to guidelines issued by the Central Government, on matters relating to conservation of biodiversity, sustainable use of its components and fair and equitable sharing of benefits arising out of utilization of biological resources.
- ◆ Regulate, by granting approvals or otherwise, the request for commercial utilization or bio-survey and bio-utilization of any biological resource by Indians.
- ◆ Perform such other functions as necessary to carry out the provisions of this Act or as prescribed by the State Governments.

Local bodies constitute the Biodiversity Management Committees in accordance with Section 41 of the BD Act, within their area of jurisdiction for the purpose of promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of landraces, folk varieties and cultivars, domesticated stocks and breeds of animals, microorganisms and chronicling of knowledge relating to biological diversity. BMC is constituted in accordance with rule 22(1) of the Biological

Diversity Rules, 2004. It consists of a chairperson and six persons nominated by the local body, of whom one-third are women and 18% are scheduled castes/ scheduled tribes.

#### Functions of BMCs

- ◆ Prepare, maintain and validate People's Biodiversity Register (PBR) in consultation with the local people. The BMC is to maintain a Register giving information about the details of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefits derived and the mode of their sharing.
- ◆ Advise on any matter referred to it by the State Biodiversity Board or Authority for granting approval, to maintain data about the local voids and practitioners using the biological resources.

#### Role of Central and State Governments

Establish National Biodiversity Authority, State Biodiversity Board and Biodiversity Management Committee.

- ◆ Develop national strategies, plans, programmes for the conservation, promotion and sustainable use of biological diversity.
- ◆ Issue directives to the State Governments concerned to take immediate ameliorative measures for the protection of biodiversity-rich habitats, threatened by overuse, abuse or neglect.
- ◆ Integration of the conservation, promotion and sustainable use of biological diversity into relevant sectoral or cross-sectoral plans, programmes and policies. Endeavour to respect and protect the knowledge of local people relating to biological diversity, as recommended by the NBA.
- ◆ Assess the impact of projects on environment and biodiversity, and regulate, manage or control the risks or adverse impact of use and release of living modified organisms on conservation; and sustainable use of biological diversity and human health.
- ◆ The Central Government may, in consultation with NBA, a) notify threatened species and prohibit or regulate their collection, rehabilitation and conservation; b) designate institutions as repositories for different categories of biological resources and c) exempt certain biological resources normally traded as commodities.
- ◆ State Governments, in consultation with the local bodies, notify biodiversity heritage sites, and frame rules for management and conservation of all the heritage sites (in consultation with Central Government) and launch schemes for compensation /rehabilitation of affected people.

## Consultations and seminars held during the year

The NBA organized various events like seminars, exhibition, campaign, conferences, consultations, competitions, rewarding biodiversity conservers aimed at awareness generation among the researchers, students, scientists and general public about the importance of conserving and protecting the biodiversity.

A Stakeholders' consultation and launching of UN Decade on Biodiversity for Asia and Pacific was organized by the Ministry of Environment and Forests on 23rd May 2011 at New Delhi. This was followed by a technical session on State Biodiversity Boards chaired by Shri.D.K.Ved, Advisor, FRLHT, Bangalore and Dr. Indrani Chandrasekharan, Advisor (E&F), Planning Commission. The Member Secretaries of the SBBs of Karnataka, Madhya Pradesh and Andhra Pradesh outlined the achievements of their SBBs. The Chairman and Members of the best performing BMCs also shared their experience in the implementation of Biological Diversity Act in their respective villages/gram panchayats. The event was also graced by participation of members of NBA.

As a prelude to the ensuing first meeting of Inter-governmental Committee on Nagoya Protocol (ICNP-1) on ABS, MoEF organized an Inter-ministerial cum Expert meeting on 30th May 2011 at New Delhi. In this meeting NBA was represented by Shri C. Achalender Reddy, Secretary and Dr. K.P.Raghuram, Technical Officer (BS). During the meeting discussions were held on the preparatory work relating to the impending conclave.



As a mark of respect to Mahatma Gandhi, his 143rd birth anniversary was celebrated by NBA by organizing a meeting on "People and Biodiversity: Mahatma's vision in a changing world" at Chennai on 2nd October 2011. Dr.Kalyanam, then Private Secretary to Mahatma Gandhi presided over the function and gave a thought-provoking speech on the vision of Gandhiji. Prof. M. S. Swaminathan, Chairman, MSSRF delivered a key note address. Dr.Balakrishna Pisupati, Chairman, NBA and Shri C.Achalender Reddy, Secretary, NBA in their speeches focused on the contributions made by Gandhiji. The meeting attracted college students, scientists, and officials from government departments, NGO's and media personnel in large number.

With a view to project India's preparedness for implementing the recommendations of the Convention on Biological Diversity (CBD) in the SBSTTA-15 meeting to be held in Montreal, Canada during October-November 2011, a discussion on 'Traditional Knowledge, Invasive Alien Species and Taxonomy' was held at NBA, Chennai on 18th October 2011 to generate salient points on the issue. This, along with inputs from various stakeholders, experts from field and scientific fraternity were summarized and sent to MoEF to serve as a source material for preparing India's position for the International meet.



MoEF, partnering with GIZ and IIFM, Bhopal organised a two-day workshop on the study of 'Economics of Ecosystems & Biodiversity' (TEEB) in Sep 2011. The Ministry along with the GEF Secretariat, Washington DC conducted a GEF National Dialogue at Goa from

08.09.2011 to 10.09.11. Dr. Balakrishna Pisupati, Chairman, NBA and Shri. C. Achalender Reddy, Secretary, NBA participated in the meetings.

A Regional Workshop on “Access to Genetic Resources and the Fair and Equitable Sharing of benefits arising from their Utilization (ABS): Understanding Nagoya Protocol” was held on 25 and 26 October, 2011 at Manila under the auspices of the Government of Philippines through the Department of Environment and Natural Resources and the ASEAN Centre for Biodiversity. The Chairman, NBA presented a paper on “ABS/Nagoya Protocol and COP 11 (possible agenda/issues at COP 11)” in this event.

### Meeting of the Committee on Subordinate Legislation, Rajya Sabha

The Committee on Subordinate Legislation, Rajya Sabha held its meeting on 25th June 2011 at Munnar, Kerala for discussion on the Biological Diversity Rules 2004. Shri C. Achalender Reddy, Secretary, NBA gave a graphic presentation on BD Act 2002 with special reference to Biological Diversity Rules 2004 while Smt. Ishita Roy, Secretary, Environment and Forests, Government of Kerala and Dr.R.V.Varma, Chairman of Kerala Biodiversity Board made presentation on Kerala Biological Diversity Rules 2008 and elaborated on the activities of State Board.





## Constitution of the Authority

The NBA is headed by a Chairperson, who is an eminent person, having knowledge and experience in sustainable management of biodiversity. The NBA consists of ten *ex-officio* members from related Ministries of Government of India, and five non-official members, who are experts in different aspects of biodiversity management.

The Constitution of the Authority, as provided in the Biological Diversity Act 2002 is as under:

### Chairperson

Sl. No.	Name	Period	
		From	To
1	Shri.Vishwanath Anand IAS	01.10.2003	14.07.2004
2	Dr. S.Kannaiyan	20.05.2005	19.05.2008
3	Shri.G.K.Prasad IFS*	20.05.2008	30.09.2008
4	Shri. P.R.Mohanty IFS*	01.10.2008	31.12.2008
5	Dr.P.L.Gautam	31.12.2008	03.11.2010
6	Shri M.F.Farooqui IAS*	11.11.2010	11.08.2011
7	Dr. Balakrishna Pisupati	12.08.2011 onwards	

\* Additional charge

### Members

#### Ex-officio members appointed under section 8 (4) (b):

1. Joint Secretary to the Government of India or an officer of an equivalent rank in the Ministry of Tribal Affairs.
2. Additional Director General (Forests), Ministry of Environment and Forests, Govt. of India.
3. Joint Secretary to the Government of India dealing with the subject in the Ministry of Environment and Forests.

#### Ex-officio members appointed under section 8(4) (c):

4. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Agricultural Research and Education, Ministry of Agriculture.
5. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Department of Biotechnology.
6. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Department of Ocean Development.
7. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Department of Agriculture and Cooperation.
8. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Department of Indian Systems of Medicine and Homoeopathy.
9. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Department of Science and Technology.
10. Joint Secretary to the Government of India or an officer of an equivalent rank dealing with the subject in the Department of Scientific and Industrial Research.

**Non-official Members (appointed u/s 8 (4) (d)):**

The term of office for the five non-official members of the NBA is for a period of three years from the date of notification. The list of members nominated w.e.f. 22.02.2010 was notified vide Gazette Notification S.O.389 (E) dated 15th February, 2010. The non-official members areas follows:

S. No	Name	Period	
		From	To
1.	Dr. S. Subramaniyan, 54,VGP-Golden Sea View, Part II, 2nd Main Road, 5th Cross Street, Palavakkam, Chennai 600 041	22.02.2007 21.02.2010	22.02.2010 21.02.2013
2.	Dr. R.S. Rana, Chairman, Bio-Link,D-43, Indraprastha Apartments, Sector-14, Rohini, New Delhi-110 002	22.02.2010	21.02.2013
3.	Dr. Uppeandra Dhar, 11, SBI Apartments, Near Eicher School, Sector-46, Faridabad-121 002, Haryana.	22.02.2010	21.02.2013
4.	Dr. K.M. Bujarbaruah, Vice-Chancellor, Assam Agricultural University, Jorhat-785 013.	22.02.2010	21.02.2013
5.	Dr. Darshan Shankar, Advisor, FRLHT, & Chairman, Institute of Ayurveda and Integrated Medicine (I-AIM), Yelahanka, Bengaluru-560064.	22.02.2010	21.02.2013

**Secretary:**

S. No.	Name	Period
1.	Dr.G.Sarat Babu	28.05.2003 – 23.07.2003
2.	Dr.K.Venkataraman	24.07.2003 – 11.03.2009
3.	Shri. C. Achalender Reddy IFS	12.03.2009 onwards



## Meetings of the Authority

Five meetings of the National Biodiversity Authority were held during 2011-12 and important decisions were taken as elaborated below.

### 19th Authority Meeting



The 19th Authority Meeting was held at CSIR, Ghaziabad on 4th May, 2011 and following items were discussed in detail:

- ◆ Devising of strategy for accelerating documentation of PBR.
- ◆ Seeking of financial provision for NBA in the 12th Five Year Plan for effectively addressing issues relating to threat assessment and species recovery plans and
- ◆ Action to be taken by NBA and SBBs on violators of the provisions of the BD Act 2002.

The Authority approved the model guidelines for selection and management of the Biodiversity Heritage Sites and also decided that a communication may be sent to all Ministries stating that while approving international collaborative research projects a rider may be added by reproducing para 5 of collaborative research guidelines dt. 8th November 2006.

### 20th Authority Meeting

The 20th Authority Meeting was held at New Delhi on 20th June, 2011. Dr.L. Pushpakumar, Expert Consultant made a presentation on Nagoya protocol and its legal implications for India based on which suggestions/inputs were given by the Authority in preparation for 1st Meeting of ICNP. Deliberations were held on the priority areas to be focused by NBA in

future and the time line for the activities. The Authority decided that a workshop on People's Biodiversity Register may be held in October 2011. Further, it was decided to proceed legally against M/s Mahyco and its collaborators for accessing and using local brinjal varieties without prior approval of the Authority.

### 21st Authority Meeting

The 21st Authority Meeting was held at New Delhi on 9th August 2011. The issues discussed were draft guidelines for exchange of germplasm for research purpose and checklist for processing applications to be checked by NBA Secretariat and Expert Committee on ABS. The Authority decided to hold a meeting with the seed industry in the month of Jan/Feb 2012 with a view to clarify the requirements of the industry with reference to different provisions of the BD Act.

### 22nd Authority Meeting



The 22nd Authority Meeting was held at Chennai on 22nd November 2011. Prior to the commencement of the proceedings two minutes silence was observed to pay respect to the departed soul of Late Prof. Dr. S. Kanniyar, former Chairman, NBA. In his introductory address Dr. Balakrishna Pisupati, Chairman, NBA elaborated NBA's vision, work plan, time line, mandate and functions, strategic issues, partnership for the ensuing CBD-CoP-11 next year in India and also the challenges ahead. The guidelines for National Biodiversity Fund, operational suggestions on issues faced by the seed industry and the issue of export of seaweed (*Kappaphycus alvarezii*) were the key issues discussed in the meeting. It was decided that the guidelines for designated repositories may be reviewed and sent to the repositories on approval by the Authority.

### 23rd Authority Meeting



The 23rd Authority Meeting was held at Chennai on 17th February, 2012. The voting on issue of the alleged violation on access of local brinjal varieties was carried out and the final decision to initiate legal action against the violators was made on basis of majority votes received. The matters discussed include review of the Proceedings of 1st Interface meeting of the NBA, ICAR, DARE and NBPGR, proposal of Breed Saviour Award by NBA and the designation of National Bureau of Agriculturally Important Insects as National Repository u/s 39 of the BD Act. The Authority agreed in principle to the proposal and guidelines on "Breed Saviour Award".



## Expert Committees

The following committees were constituted by the NBA as per section 13 of the Biological Diversity Act, 2002, to ensure effective implementation of various provisions of the Act and the Rules framed thereunder. The purpose and composition of each Expert Committee are as under:

### 1. Expert Committee on “Access and Benefit sharing” for processing the applications received by NBA.

Applications seeking access to biological resources and/or associated knowledge for research, bio-survey and bio-utilization and commercial utilization (made under Section 3 by the applicants who are not Indian



citizens), besides applications seeking transfer of research results, applications for invention based on biological resources and/or associated knowledge, or transfer of already accessed biological resources to others, received by the NBA are evaluated by the Expert Committee on Access and Benefit Sharing [EC-ABS] which make suitable recommendations for consideration of the Authority. During the reporting period, around 60 applications have been evaluated of which 7 have been cleared.

### 2. Expert Committee (Task force) for Preparation of Guidelines on Creating Structures, Running Administration and Maintaining Accounts and other matters pertaining to Biodiversity Management Committees

Recognising that India is a large and diverse country geographically, politically, socially, culturally and



economically and it may not be possible to have a uniform approach of establishing and managing BMCs, an Expert Committee to prepare guidelines on BMCs was constituted and its 4th meeting was held on 28-29 June 2011 at NBA, Chennai. The Committee made several sittings and undertook field visits to Karnataka and north eastern states and has prepared the draft report and guidelines for operationalization of BMCs in consultation with different stakeholders. The draft guidelines were discussed and further action suggested by NBA.

### 3. Expert committee on Agro-biodiversity

An Expert Committee on Agro-biodiversity was constituted in 2005 as mandated in Section 13(1)



of the Biological Diversity Act, 2002, to discuss and recommend on issues relating to agro-biodiversity within the framework of the Biological Diversity Act, 2002 and Rules 2004. The Committee was reconstituted in January 2012, with Dr. E.A. Siddiq, Ex-DDG, ICAR as its Chairman.

The reconstituted committee met on 24th February 2012 at Chennai and deliberated on draft Guidelines on exchange of germplasm developed by DARE/ICAR, emerging issues and challenges in the field of research, commercialization and related issues within the ICAR, CGIAR systems and compliance issues. The EC also discussed on patenting of virus resistant traits of Indian melon by M/s. Monsanto, USA. The committee also suggested formation of two sub committees to deal with specific issues of providing further inputs to the draft guidelines submitted by ICAR-DARE on exchange of germplasm to NBA and on emerging issues and challenges to research, commercialization and related issues within ICAR, CGIAR system and compliance with the Act.

#### 4. Expert Committee on Medicinal Plants

Several issues concerning medicinal plants have come into public domain and intellectuals and media have raised issues of importance on this. In order to deal with emerging issues on medicinal plants comprehensively, the Expert Committee was reconstituted in March 2012 under the Chairmanship of Dr. Darshan Shankar and Shri. D.K. Ved as Vice-Chairman.

#### 5. Executive Committee on UN Decade

An Executive Committee for facilitating the implementation of strategic objectives of the “UN Decade on Biodiversity (UNDB) 2011-2020” chaired by Dr. Balakrishna Pisupati, Chairman, NBA was constituted on 5th April 2012. The First meeting of the Executive Committee was organised by the NBA on 10th April 2012 at the NASC Complex, New Delhi. Shri. C. Achalender Reddy, Secretary, NBA welcomed the participants and Dr. Balakrishna

Pisupati, Chairman, NBA briefed the participants on the purpose and mandate of the committee and gave the background of the issue to be discussed. An outline of the millennium development goals and multilateral environmental agreements provided by Chairman, NBA enabled the members in furthering the discussions. The outcome of the meeting was drawn based on the inputs provided by the members.



NBA has taken the following steps relating to different aspects of conservation and sustainable use of biodiversity during the period:-

### 1. Creating awareness

During the reporting period, NBA officials including the Chairman and Secretary presented special address and participated in the following meetings to increase awareness about the Act and the Rules.

19.08.2011	Second meeting of the Working Group on Ecosystem Resilience, Bio-diversity and Sustainable livelihood for formulation of 12th Five Year Plan held at ATREE, Bangalore (Main), Royal Enclave, Srirampura, Jakkur Post, Bangalore 560064, Karnataka organised by the Planning Commission.
23.08.2011 & 24.08.2011	Inception Meeting of UNEP-GEF-Govt. Of India Project titled “Strengthening the implementation of the Biological Diversity Act and Rules with focus on Access and Benefit Sharing Provisions” at GRT Grand Hotel, Chennai
25.08.2011	Meeting on Nagoya Protocol Implementation Fund (NPIF) at GRT Grand Hotel, Chennai
29.08.2011	Key-note address during the National Conference on Environmental Protection and Management at Loyola College, Chennai 600034.
05.09.2011	Key-note address in MEA training programme organised by the International Environmental Law University of Eastern Finland, Joensuu Campus, Finland in Bangkok
10.09.2011	The GEF National Dialogue organised by the Ministry of Environment and Forests in India, Holiday Inn Hotel, Goa
16.09.2011	Workshop on the India TEEB Study meeting at Indian Institute of Forest Management, Bhopal organised by Ministry of Environment and Forests
19.09.2011	First meeting of the National Group for organizing CoP-11 to the CBD being held in the office of the Chief Secretary to Government of Andhra Pradesh, Hyderabad.
29.09.2011	Opening address at the 5th India-European Union Environment Forum on Securing Biodiversity Meeting - EU-India Forum, Indian Habitat Centre, New Delhi
02.10.2011	Discussion meeting “People and Biodiversity - Mahatmas Vision in a changing world” organised by the National Biodiversity Authority.
07.10.2011	Discussion meeting with Jc. Prabha Sridevan, Hon’ble Chairman, IPAB along with Mrs.S.Usha, Hon’ble Vice-Chairman, Shri D.P.S.Parmar, Hon’ble Member (Patent), MR. Navneetha Krishnan, Advocate General and Shri T. Suresh, Head Of Office of IPAB in NBA
11.10.2011	Stakeholder Consultation for Long Term Funding Mechanism of the project “Conservation and Sustainable use of Gulf of Mannar Biosphere Reserve’s Coastal Resources” at Hotel Regency Towers, T.Nagar, Chennai organised by the Foundation for Ecological Research Advocacy and Learning.

14.10.2011	Working Group meeting on 'Ecosystem Resilience, Biodiversity and Sustainable Livelihood in Yojana Bhawan, New Delhi organised by Planning Commission.
17.10.2011	Wangari Maathai Commemoration Lecutre & Launching of Network of Indian Universities on Cultural and Biological Diversity held in Tirupati organised by the Network of Indian Universities on CBD, Tirupati.
20.10.2011	Second meeting of the Steering Committee for drafting the Twelfth Plan Chapter for the Environment, Forestry and Climate Change in Room No.101, Anusandhan Bhawan, CSIR Head Quarter, Rafi Marg, New Delhi.
21.10.2011	Sitting of the Parliamentary Committee on Agriculture in Room No.62, First Floor, Parliament House, New Delhi on the subject "Cultivation of Genetically Modified Food Crops - Prospects and Effects"
25.10.2011 & 26.10.2011	Workshop on ABS: Understanding the Nagoya Protocol being held at EDSA Shangri La Hotel, OrtigasCentere, Manila jointly organised by Government of Phillippines through D/o Env& Nat Res. And ASEAN Centre for Biodiversity (ACB).
31.10.2011 to 04.11.2011	The Seventh meeting of the Ad Hoc Open-ended Working Group on Article 8(j) and related Provisions (WG8J-7) held under the aegis of United Nations Convention on Biological Diversity (CBD) as a member of the Government of India delegation in Montreal, Canada
11.11.2011	The Launch Meeting of UNEP-GEF-Govt. Of India Project titled "Strengthening the implementation of the Biological Diversity Act and Rules with focus on Access and Benefit Sharing Provisions" In Andhra Pradesh, Hyderabad
18.11.2011 & 19.11.2011	The 6th CMS VATAVARAN Award Jury Meeting in Hotel Silver Fern, Saket Community Centre, New Delhi.
25.11.2011	Panel presentation at the session on Valuing & Securing Biodiversity at the Sustainability Solutions Summit being organized by CII in The Lalit Hotel, Barakhamba Lane, New Delhi.
26.11.2011	The discussion Meeting focusing on issues of implementation of Biological Diversity Act, India in light of Nagoya Protocol and the related organized by the NBA, New Delhi.
01.12.2011	Launch Meeting of UNEP-GEF-Govt. Of India Project titled "Strengthening the implementation of the Biological Diversity Act and Rules with focus on Access and Benefit Sharing Provisions" in West Bengal at Kolkata
2.12.2011	Meeting with Mr.C.V.Sankar, IAS, Pr. Secy to Govt. Env& For Dept. Tamil Nadu on strengthening Tamil Nadu State Biodiversity Board.
4.12.2011	Keynote speech at the First State Level Consultation on Biodiversity Management Committee at Madurai Collectorate, Madurai.
06.12.2011	The CBD Sub-regional Workshop for South, East and South-East Asia on Capacity-Building for implementation of the CBD Programme of Work on Protected Areas being held in Wildlife Institute of India, Chandrabani, Dehradun as Panelist during NBSAP session.
09.12.2011	The Asian Conservation Film makers Summit as a Speaker and Panelist at the CMS VATAVARAN Open Forum on Biodiversity Conservation at New Convention Centre, Jai Singh Road (near Jantar Mantar), New Delhi.
09.12.2011	CBD Sub-Regional Capacity-Building Workshop for South Asia on the Clearing-House Mechanism in Forest Survey of India, Dehradun.
19.12.2011	The 9th Indian Fisheries Fourm organised by the Central Marine Fisheries Research Institute- Kochi in association with Asian Fisheries Society Indian Branch (AFSIB), Mangalore, Chennai as guest of honour



03.01.2012	A plenary presentation on “Science Policy Making” during the 99th Indian Science Congress.
04.01.2012	The Indian Science Congress-Panel Discussion “Biodiversity Governance Role of Communities and Women in 99th Indian Science Congress 2012 in Bhubaneswar
04.01.2012	Meeting with Mr. R.C.Sharma, IAS, Pr.Secy to Govt. & Chairman, SBB Orissa, Mr.Deepak Mohanty, Addl.Secy & Mr.B.P.Singh, Member Secretary, Government of Orissa, Bhubaneswar on strengthening the Orissa State Biodiversity Board.
13.01.2012	Publication and launch of the book titled “Ēthnobotany of Kondh, Paraja, Gadaba and Bonda of the Korput region of Odhisha” - authored by Merlin Franco and Dr.D.Narasimhan, Madras Christian College at NBA Con. Hall.
17.01.2012	Launch Meeting of UNEP-GEF-Govt. Of India Project titled “Strengthening the implementation of the Biological Diversity Act and Rules with focus on Access and Benefit Sharing Provisions” in Gujarat, Ahmedabad
18.01.2012	Meeting on Ecological and Economic Indicators attended by Environmental experts and economists and Planning Commission.
27.01.2012 & 28.01.2012	7th National Meet of State Biodiversity Boards in Chennai
30.01.2012	Popular Lecture at the State Science week on taxonomy
17.02.2012	2nd meeting of Joint Working Group of PPVF & RA on issues regarding ITPGRFA
19.02.2012 & 22.02.2012	20th session of Meeting of Inter-Governmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge Folklore, Geneva representing Government of India.
24.02.2012	Valedictory address during National Conference on New Vistas in Indian Aquaculture organised by CIBA, Chennai
29.02.2012	KeyNoteAddress in the Inaugural Session of International Consultation on “Ecotechnology and Sustainability Science” Biodiversity Conservation & Sustainable Development, Tirupati organised by the Indian Science Congress Association, Tirupati Chapter and Network of Indian Universities on Cultural and Biological Diversity (NIUCBD) and Indian Network on CBD (INCBD) and Sri Venkateswara Vedic University
8.03.2012 & 09.03.2012	Symposium on Domestic Measures to Implement the Obligations of Nagoya Protocol and Informal Meeting on Domestic Measures to Implement the Obligations of Nagoya Protocol and Preparations for ICNP2 jointly organised by the Foreign Affairs Department, Government of Japan and UN University
12.03.2012	National Seminar on “Farmers’ Rights” organised by the National University of Advanced Legal Studies Centre for Law, Kerala

With a view to create awareness on biodiversity related issues among the public at large and stakeholders in particular, NBA has organized / sponsored / facilitated various programmes during the year, as summarised below:

### **Celebration of International Day for Biological Diversity 2011**

The UN General Assembly adopted 22nd May as International Day of Biological Diversity and for the year 2011 the theme is declared “Forest Biodiversity” in order to highlight the importance of forests for sustaining human life on this planet. Forests are biologically diverse systems, representing some of the richest biological areas on Earth. They offer a variety of habitats for plants, animals and micro-organisms. However, forest biodiversity is increasingly threatened as a result of deforestation, fragmentation, climate change and other stressors. Hence, the CBD Secretariat encourages all parties to the Convention and all organizations that deal

in some way with the issue to organize activities and events to celebrate the IDB 2011 and to take advantage of it to raise public awareness and showcase their work on Biodiversity and Forests.

NBA, in collaboration with the Institute of Forest Genetics and Tree Breeding, Coimbatore celebrated the International Day for Biological Diversity 2011 on 22<sup>nd</sup> May 2011 at Coimbatore. Dr.J.C. Kala, Former Director General of Forests, MoEF, inaugurated the celebration which consisted of painting, elocution, essay and quiz competitions for school and college students.

The NBA and UNDP Project team jointly celebrated the IDB 2011 on 20th May 2011 at NBA, Chennai. Dr.R.S.Rana, Member, NBA chaired the Technical Session. While Dr.C.Thomson Jacob, Expert Consultant spoke about the Forest Biodiversity of India and its importance, Dr.Abbinayaa, Project Associate, NBA-UNDP gave a presentation on the activities carried out in Madhya Pradesh and Jharkhand under the project on 'strengthening institutional structures to implement the Biological Diversity Act.' This apart, many State Biodiversity Boards have celebrated the event in a befitting manner in their respective States.

#### **Launching of the UNDP-GEF & MoEF project**



The UNEP – GEF & MoEF, Government of India project on “Strengthening the Implementation of the Biological Diversity Act & Rules with focus on its Access and Benefit Sharing provisions” was launched on 23rd August, 2011 at Chennai. The project is being implemented in five states viz., Andhra Pradesh, Gujarat, Himachal Pradesh, Sikkim and West Bengal.

#### **Celebration of Gandhi Jayanthi on 2nd October, 2011**

As a mark of respect to Mahatma Gandhi his 143rd birth anniversary was celebrated by NBA by organizing a meeting on “People and Biodiversity: Mahatma’s vision in a changing world” at Chennai

on 2nd October 2011. Dr.Kalyanam, then Private Secretary to Mahatma Gandhi presided over the function and gave a thought-provoking speech on the vision of Gandhiji. Prof. M. S. Swaminathan, Chairman, MSSRF delivered a key note address. Dr.Balakrishna Pisupati, Chairman and Shri C.Achalender Reddy, Secretary, NBA in their speeches focused on the contributions made by Gandhiji. The meeting attracted college students, scientists, and officials from government departments, NGO’s and media personnel in large number.

#### **Meeting on Traditional Knowledge, Invasive Alien Species and Taxonomy**

With a view to projecting India’s preparedness for implementing the recommendations of the Convention on Biodiversity (CBD) in the SBSTTA-15 meeting to be held in Montreal, Canada during October-November 2011, a discussion on Traditional Knowledge, Invasive Alien Species and Taxonomy was held at NBA on 18th October 2011 at Chennai which generated salient points on the issue. This, along with inputs from various stakeholders, experts from field and scientific fraternity were summarized and sent to MoEF to serve as a source material for preparing India’s position for the International meet.

#### **Discussion on issues related to linkages between Nagoya Protocol and the Biological Diversity Act, Rules**

The meeting on issues related to linkages between Nagoya Protocol and the Biological Diversity Act, Rules was held in NAASC Complex, New Delhi on 26th November 2011. The discussion was chaired by Dr. Balakrishna Pisupati, Chairman, NBA, Shri. Hem Pande, Joint Secretary, MoEF, Dr. Sujata Arora, Director, MoEF, and legal experts participated in the meet. The discussion focused on understanding the Biological Diversity Act and Rules, Nagoya Protocol and its legal implications for India. The linkages between Nagoya Protocol and ABS and current provisions of the BD Act and Rules, the need to review new draft agreements by NBA to deal with ABS applications, delegation of the Authority and the issue of incompatibility between State Rules and BD Act/Rules were discussed at length. The NBA is further working on the matter.

#### **Meeting on Issues related to Normally Traded Commodities**

The National Biodiversity Authority organized a one-day meeting on issues related to Normally Traded Commodities (NTC) at Bengaluru on



21 December 2011. The meeting was held to review the issues related to NTC with respect to Section 40 of the Biological Diversity Act, 2002 (BD Act). Dr. Balakrishna Pisupati, Chairman, NBA, Shri. C. Achalender Reddy, Secretary, NBA, distinguished technical and legal experts and representatives of ADMA participated in the discussions. The meeting focused on the need for better understanding of the provision under Section 40 of the BD Act which lead to the issue of notification on normally traded commodities by the Govt. of India for the effective implementation of the Act. In the meeting inter alia it was decided to hold a national meet to sort out the issue.

#### **National Consultation cum Workshop on People's Biodiversity Registers**

The National Biodiversity Authority (NBA) in collaboration with Karnataka State Biodiversity Board (KBB), United Nations Development Programme (UNDP), Global Environment Facility (GEF) and Institute of Ayurveda and Integrative Medicine (I-AIM) conducted a National Consultation-cum-Workshop on People's Biodiversity Registers (PBRs) to accelerate preparation of PBRs, on 22nd and 23rd December 2011 at Bengaluru. The main focus of the Consultation was to review the process and structures of PBRs currently available, learn lessons from the process of developing the PBRs and their subsequent use, suggest elements for future approaches that are linked and responsive, put forward means to strengthen the process of developing the PBRs and to identify plans for explicitly linking PBRs to achieve the objectives of the BD Act and Rules. Eighty eight delegates including Chairpersons and Member Secretaries of SBBs of Andhra Pradesh, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Manipur, Punjab, Rajasthan, Sikkim, Tripura, Tamilnadu, Uttar Pradesh and West Bengal, and representatives from leading Research Organizations, NGOs and CBOs also participated in the workshop. The



outcome of the meeting is made available in the NBA website to elicit opinion from public and stakeholders.

#### **Special session on Biodiversity Governance – Role of women in the 99th Indian Science Congress**

The National Biodiversity Authority, joining hands with MoEF, organized a Special session on “Biodiversity Governance – Role of women” in the 99th Indian Science Congress held on 4th Jan 2012 at KIIT, Bhubaneswar, Odisha. The event was well attended by the experts in the field of biodiversity. The Session was addressed by an eminent set of panelists led by Dr. R. Chidambaram, Principal Science Adviser to Government of India, Dr. P. Balakrishna Pisupati, Chairman, NBA, Dr. A.K. Bansal, IG Forests, Government of India, Ms. Lucy Mullenkei, International Indigenous Forum on Biodiversity, Dr. S. Subramanian, member, NBA, Dr. Luigi Bonzi of University of Rome and others. The outputs of the event are proposed to be used in the conference of Rio+20 as well as at CoP-11.

### National Breed Saviour Award ceremony

NBA in association with SEVA, Madurai and Life Network organized “The National Breed Saviour Award Ceremony 2011” at NBA premises, Chennai on 10 Jan 2012. Cash awards of Rs. 10,000 and certificates were distributed by Dr.B.K. Joshi, Director, NBAGR, Karnal to 20 livestock keepers for conserving native livestock breeds in the respective breeding tracts in different states. Breed Saviour Award is being conferred annually on individuals or farmers involved in conserving native breeds of animals since 2009. A booklet on Kharai Camel – Amazing camel breed of Kachchh edited by M/s. Sahjeevan-Bhuj, Gujarat was released by Dr. B.K Joshi, Director, NBAGR on the occasion. Around 100 participants from different walks of life took part in the event. It was suggested to institutionalize the awards by NBA from 2012. Guidelines and related issues are being finalized now.

### Expert Consultation on Linking Economic and Ecological Indicators

NBA organized an expert consultation on “Linking Economic and Ecological Indicators” at the NBA, Chennai on 18 January 2012. The consultation focused on reconciling economic and ecological indicators, and performance review on environment and development parameters. Eminent experts in the field of forestry, IT, banking sector and NGOs took part in the meeting. The report of the meeting is hosted on NBA's website.

### Consultation meeting with representatives of Seed Industry on compliance of provisions of BD Act and related matters

NBA and Andhra Pradesh Biodiversity Board organized a Consultation meeting with representatives of Seed Industry on compliance of provisions of Biological Diversity Act 2002 and related matters in Hyderabad on 20th Jan 2012. About 50 delegates representing National Seed Association of India, scientists



and legal experts participated in the event. The deliberations included subjects like, scope of NBA for seed industry; definition/clarity on biological resources/ biological diversity; gazette notification exempting certain crops traded as commodity, the rationale behind this exemption; defining the scope of Article/ Section 3(2) on foreign holdings/shares etc; harmonization of ABS between NBA and PPV&FRA

### Seventh National Meeting of the State Biodiversity Boards

The 7th National Meeting of the State Biodiversity Boards was organised by the National Biodiversity Authority at Chennai on 27th and 28th January 2012. The meeting was inaugurated by Smt. Jayanthi Natarajan, Hon'ble Minister of State (Independent charge) for Environment and Forests, Gol who delivered her presidential address. Dr. K. Kasturirangan, Member, Planning Commission delivered the key note address and Dr. T. Chatterjee, IAS, Secretary, MoEF also participated. Group discussions and clinics focused on “Mapping of issues relevant to SBBs”, “Financing, Biodiversity Fund and implementation of the Act” and “Legal and statutory issues”. Five Chairpersons and Member Secretaries of 15 SBBs, Dr. Darshan Shankar, Member, NBA, Dr. S. Subramaniyan, Member, NBA, technical and legal experts were present in the said event. Shri. Hem Pande, Joint Secretary, MoEF gave a presentation about ongoing preparations for CoP-11 and desired





the effective co-operation of NBA and SBBs in certain activities in this mega event.

Dr. R. Hampaiah, Chairman, Andhra Pradesh SBB gave brief presentation on the activities undertaken for the said global event. NBA also launched its re-designed website on 27<sup>th</sup> Jan 2012. Besides, a set of promotional and information material on the Act were prepared and distributed.

### Training on implementation of BD Act to the IFS officers

NBA conducted a one day training programme on the implementation of Biological Diversity Act to the IFS officers undergoing skill upgradation training at Indira Gandhi National Forest Academy, Dehradun on 29<sup>th</sup> January 2012 at Chennai. Around 35 participants including faculty member attended the programme. Shri C.Achalender Reddy, Secretary, NBA delivered a lecture on “Convention on Biodiversity and its inter-linkages with forestry” on 17<sup>th</sup> Jan 2012 at Indira Gandhi National Forest Academy, Dehradun.

### Publications brought out for generating awareness

NBA released an array of publications aimed at creating awareness on biodiversity, which included Fact sheets on NBA, Case Studies on Biodiversity and Livelihoods, Know Your Biological Diversity Act (2002) and Rules (2004), Proceedings of the National Consultation cum Workshop on People’s Biodiversity Register

and Biodiversity Governance authored by Dr. Balakrishna Pisupati, Chairman, NBA.

## 2. Establishment of State Biodiversity Boards

As of 2012, State Biodiversity Boards (SBBs) have been established in 26 states in India. Fifteen States viz. Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Rajasthan, Tripura, Sikkim, West Bengal and Uttar Pradesh have also notified the State-specific biodiversity rules in accordance with the provisions of the Act.

## 3. Establishment of Biodiversity Management Committee

So far, 29,672 BMCs have been constituted by the local bodies in 18 States - Andhra Pradesh, Arunachal Pradesh, Chhattisgarh, Himachal Pradesh, Karnataka, Madhya Pradesh, West Bengal, Kerala, Goa, Nagaland, Manipur, Uttarakhand, Uttar Pradesh, Gujarat, Punjab, Mizoram, Tamil Nadu and Tripura. The status of BMCs and preparation of PBRs is given below.

S. No	States	BMCs formed	PBRs documented
1.	Andhra Pradesh	94	1
2.	Arunachal Pradesh	15	--
3.	Assam	--	--
4.	Chhattisgarh	27	--
5.	Goa	5	--
6.	Gujarat	11	--
7.	Haryana	--	--
8.	Himachal Pradesh	9	1
9.	Jharkhand	--	3
10.	Karnataka	3,844	240
11.	Kerala	948	412
12.	Madhya Pradesh	23,743	663
13.	Maharashtra	--	--
14.	Manipur	39	3
15.	Meghalaya	--	--
16.	Mizoram	238	2
17.	Nagaland	10	--
18.	Odisha	--	--
19.	Punjab	51	--
20.	Rajasthan	--	--
21.	Sikkim	--	--
22.	Tamil Nadu	13	--

S. No	States	BMCs formed	PBRs documented
23.	Tripura	68	--
24.	Uttar Pradesh	5	2
25.	Uttarakhand	513	6
26.	West Bengal	39	29
	<b>Total</b>	<b>29,672</b>	<b>1325</b>

#### 4. Biodiversity Heritage Sites

Biodiversity is closely linked to ecological security and therefore, to human welfare. To strengthen the biodiversity conservation in traditionally managed areas and to stem the rapid loss of biodiversity in intensively managed areas, such areas need special attention. Section 37 of Biological Diversity Act, 2002 empowers the State Governments in consultation with local bodies to notify such areas as Biodiversity Heritage Sites (BHS) and frame rules for their management and conservation.

The Government of Karnataka has already notified three sites viz., Tamarind site at Nallur in Devanahalli Taluk, Hogrekan and University of Agricultural Sciences, GKVK Campus, as BHS

in the State and added one more in the list. Ambaraguda in Shimoga district, measuring 3857.12 hectares of revenue land, located between Sharavathi and Someshwara Wildlife Sanctuaries has been notified in 2011 as the fourth BHS in the State. The notified area has Shola vegetation which is a primitive and dense evergreen forest with montane grasslands in the Western Ghats.

#### Notification of Threatened Species

In exercise of the powers conferred under section 38 of BD Act and in consultation with the concerned State Governments, the Central Government may from time to time notify any species, which is on the verge of extinction or likely to become extinct in the near future, as threatened species and prohibit or regulate collection thereof for any purpose and take appropriate steps to rehabilitate and preserve those species. Plants and animals on the verge of extinction have been identified and notified in the States of HP, Kerala, UP, Uttarakhand, Mizoram, Orissa, Meghalaya, West Bengal, Goa, Bihar, Karnataka, Madhya Pradesh, Tamil Nadu and Tripura. Funds were provided to these 14 States for documentation of the notified species.



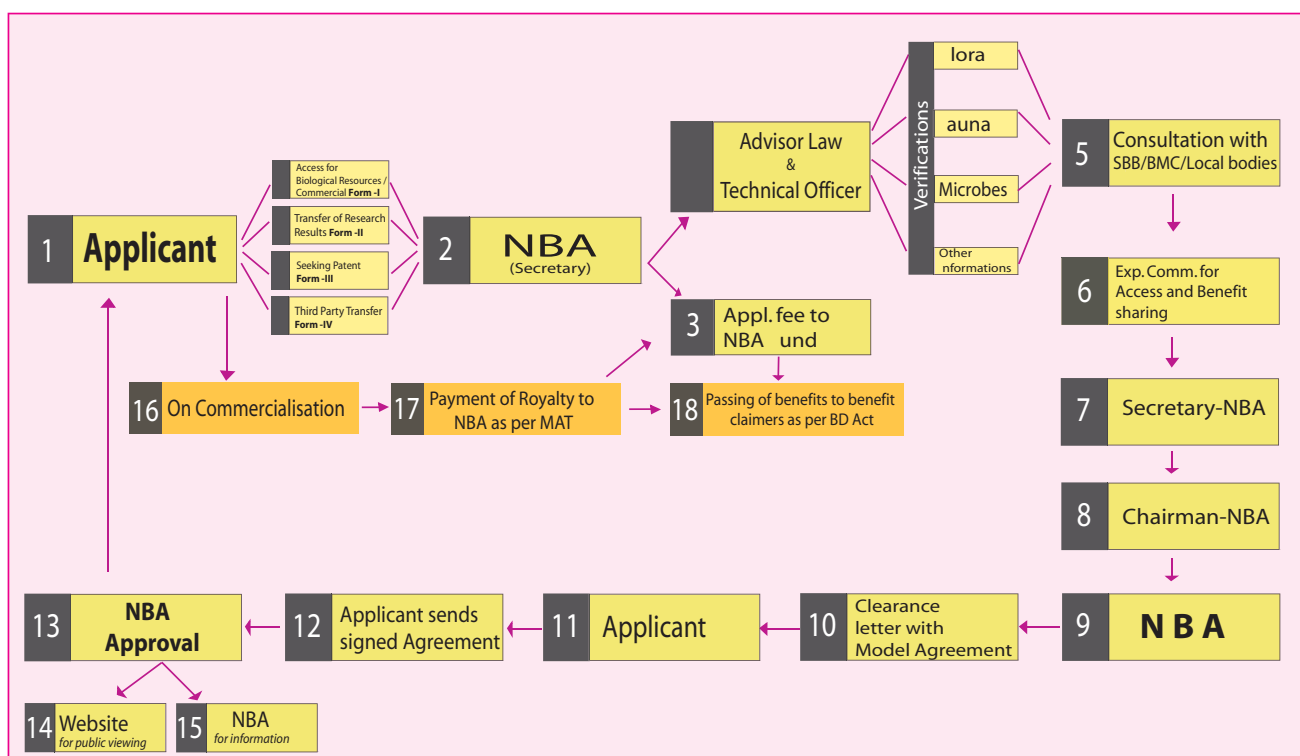
# Access and Benefit Sharing

## 1. Approval process

Access to bio-resources and / or associated knowledge from India is considered and approved by the National Biodiversity Authority in accordance with Sections 3, 4 and 6 of Biological Diversity Act, 2002 and Rules 14, 17, 18 and 19 of Biological Diversity Rules, 2004.

The applications received from public/private sectors and foreign nationals for approval of access to bio-resources and associated traditional knowledge are processed as elaborated below:

### Schematic Presentation of Processing of Applications under Biological Diversity Act, 2002 and Rules 2004



The request for access is examined by the Expert Committee on Access and Benefit Sharing constituted by the Authority and case by case recommendations made by the above committee are deliberated and considered in the Authority meeting. So far, NBA has so far received 685 applications related to access to bio-resources/ associated knowledge and benefit sharing. The request for access to bio-resources and associated knowledge is made in the following forms to enforce benefit sharing mechanism as and when commercialization of accessed biological / genetic resources is done.

Form	Category	Applications Received since 2004
Form I	Access to biological resources and associated traditional knowledge	106
Form II	Transferring the results of research to foreign nationals, companies, NRI's for commercial purposes.	34
Form III	Seeking no objection for obtaining Intellectual Property Rights	474
Form IV	Third Party transfer of the accessed biological resources and associated knowledge.	58
	Incomplete applications	13
	<b>Total</b>	<b>685</b>

## 2. Consultations with SBB and BMC

As per the Section 41(2) of BD Act, the NBA and SBB shall consult the BMC while taking any decision relating to the use of biological resources and knowledge associated with such resources occurring within the territorial jurisdiction of the BMC.

After the 13th meeting of the Authority, considering the establishment of SBBs in most of the States and BMCs in some of the States, NBA has started consulting SBBs and BMCs (through respective SBBs) for access/use to biological resources. Consents have been received from the SBBs for access requests by 50 applicants.

## 3. The status of the applications received by NBA during 2011-12

Details	Received	Cleared (applications received during 2011-12)	Cleared (applications received in the previous years)	Under Process (applications received during 2011-12)	Closure/ withdrawn (applications received during 2011-12)	Agreement Signed in 2011-2012 for the applications received during this year	Agreement Signed in 2011-2012 for the applications received in previous years
Form I (Access for Research/ Commercial)	10	2	4	8	0	0	1
Form II (Transfer of Research Results)	0	0	0	0	0	0	2
Form III (Seeking no objection for obtaining IPR)	35	1	38	34	0	0	6
Form IV (Third Party Transfer)	15	4	9	10	1	0	0
Total	60	7	51	52	1	0	9

## 4. Royalty received

During this period, the NBA has received an amount of Rs.1,98,603/- in the form of royalty from the applicants.



# India-UNDP Project on Strengthening Institutional Structures to Implement the Biological Diversity Act

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INDIA – UNDP Project on “Strengthening Institutional Structures to Implement the Biological Diversity Act” is being implemented since 2009 in the states of Jharkhand and Madhya Pradesh which have rich and globally significant biodiversity. Overall budget for the project is USD 1,180,000.

The project is being supported by UNDP and implemented by Ministry of Environment and Forests, Government of India with National Biodiversity Authority (NBA) as the responsible party. The project is addressing the challenges of implementing the Biological Diversity Act by strengthening the State Biodiversity Boards and by constituting Biodiversity Management Committees (BMCs) through capacity building, awareness generation, education, data base development and networking.

The main focus of the project is to strengthen the institutional capacities at various levels and of different stakeholders within the UN Development Assistance Framework (UNDAF) and to bring in changes to manage natural resources in an integrated, participatory and sustainable manner.

The Project Management Unit (PMU) which works at NBA, Chennai is involved in monitoring and evaluation of the project activities being undertaken by the State Project Units functioning in Bhopal in Madhya Pradesh and Ranchi in Jharkhand. The PMU makes periodical visits to BMCs and interact with the local community for the effectively implementation of the project activities thereby strengthening the bottom level institutional structures.

The project is being implemented in Hazaribag and Latehar districts of Jharkhand and in Hoshangabad, Rewa and Balaghat districts in Madhya Pradesh. The progress of the works are being coordinated and monitored by the State Project Units located in Ranchi and Bhopal respectively.

## Project outputs

- ◆ Institutional capacity of relevant National, State and Local Institutions enhanced for effective implementation of Biological Diversity Act

- ◆ Enhanced understanding at National, State and Local Institutions for conservation (*in situ* and *ex situ*) of bio-resources and ecosystems
- ◆ Knowledge sharing among National, State and Local Institutions for effective implementation of Biological Diversity Act

## Accomplishments

- ◆ Constituted 26 BMCs in Jharkhand and 795 BMCs in Madhya Pradesh
- ◆ Organized 13 awareness campaigns for effective implementation of Biological Diversity Act and Rules
- ◆ Developed 52 Peoples Biodiversity Registers
- ◆ Identified 8 Biodiversity Heritage Sites for notification
- ◆ Conducted 9 trainings for income generation through multiple livelihoods
- ◆ Creation of database on conservation and sustainable utilization of Bioresources
- ◆ Creation of database for ABS applications

In Madhya Pradesh, Biodiversity Interpretation Centers have been established in three places namely 1. Malajkhand in Balaghat District with the support of BMC of Nagar Palika Malajkhand, 2. Keonti in Rewa District in collaboration with Forest Department and the BMC of Keonti and 3. Government Post Graduate College, Hoshangabad.

In Jharkhand, World Forest Day and Water Day were celebrated at Chaibasa, Ranchi. In Madhya Pradesh, International Day for Biological Diversity was celebrated on 22<sup>nd</sup> May by orienting teachers of Janpad Pipariya, Hoshangabad with the officials of line departments and BMC members; and the same was also observed by Zila Panchayat, Rewa.

Publications on project activities and information dissemination material on the Biological Diversity Act

and its implementation mechanism was developed as awareness generation material. These were widely distributed. Medicinal plants that were used as raw material have been identified and the same were collected from Malajkhand BMC and an Access and Benefit Sharing (ABS) mechanism has been established with a Bangalore based pharmaceutical company, by name Natural Remedies, after suitable benefit sharing agreement was made.

In Madhya Pradesh and Jharkhand a website for INDIA – UNDP Biodiversity Project was launched. Project related information is being regularly updated and uploaded.

Nevertheless, lack of awareness of the BD Act, 2002 including roles and responsibilities is a major challenge for the effective implementation of the project at the level of BMCs. This in turn took considerable resource and energy of the project team. Besides, at the BMC level the expectation of immediate benefits from the project were high. These short term aspirations of people were met through capacity building for livelihood generation through micro enterprises.



# India–UNEP-GEF Project on Strengthening the Implementation of the BD Act & Rules with focus on its ABS provisions

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The UNEP – GEF & MoEF, Government of India project on “Strengthening the Implementation of the Biological Diversity Act & Rules with focus on its Access and Benefit Sharing provisions” was launched on 23<sup>rd</sup> August, 2011 at Chennai. The objective of the project is to increase the institutional, individual and systemic capacities of stakeholders to effectively implement the Biological Diversity Act, 2002 and Rules, 2004 in order to achieve biodiversity conservation through implementing Access and Benefit Sharing agreements in India.

NBA has received an amount of Rs. 1.31 crores towards the UNEP-GEF- India project on ‘Strengthening the implementation of BD Act with focus on its ABS provisions. This project is funded by UNEP-GEF (36% cash) and the Government of India (16% cash). The Ministry of Environment and Forests has routed a project for updating GEF-India brochure to GEF Secretariat covering the period from June-December 2011. Accordingly, NBA has received sum of Rs. 3,95,910/- as GEF grant on behalf of MOEF. The details of fund receipts are as follows:-

Sl. No	Name of the Project	From whom received	Amount received in US\$	Amount available in Indian Rupees
1	UNEP-GEF Project on Strengthening the implementation of Biodiversity Act and Rules with focus on the ABS provision	Global Environment Facility	294970	1,31,43,421/-
2	India OFP support for Updating of GEF India Brochure	Global Environment Facility	9000	3,95,910/-

The Project is being executed by National Biodiversity Authority (NBA) in collaboration with Five State Biodiversity Boards (Andhra Pradesh, Gujarat, Himachal Pradesh, Sikkim, West Bengal), Botanical Survey of India (BSI), Kolkata, Zoological Survey of India (ZSI), Kolkata, United Nations Development Programme (UNDP), New Delhi, United Nations Environment Programme – Division of Environmental Law and Conventions (UNEP-DELCO), Nairobi, United Nations University – Institute of Advanced Studies (UNU-IAS), Japan and Global Environment Facility (GEF), Nairobi.

## The key components of the project are as follows:

- 1) Identification of biodiversity with potential for ABS and their valuation in selected ecosystems such as forest, agriculture and wetlands.
- 2) Development of tools, methodologies, guidelines, frameworks for implementing ABS provisions of the Biological Diversity Act.
- 3) Piloting agreements on ABS
- 4) Implementation of policy and regulatory frameworks relating to ABS provisions at national level and thereby contribute to international ABS policy issues.
- 5) Capacity building for strengthening implementation of the ABS provisions of the BD Act.
- 6) Increase public awareness and education programmes.

This project deals with assessing and quantifying the economic value of biological diversity present at local, state and national levels using appropriate methodologies to determine benefit sharing which will help in better implementation of the Act and inform national decision makers on prioritizing conservation action. The project

also focuses on developing tools, methodologies, guidelines and frameworks inter alia, on Prior Informed Consent (PIC), Material Transfer Agreement (MTA), benefit sharing agreements for realising ABS provisions. This project facilitates and enhances efforts in stakeholder decision making on the provisions of access and decide benefit sharing components.

Establishing national, state and local level databases on biodiversity with ABS potential and developing ABS agreements as per the Act will help better use of country's biodiversity potential and facilitate better option for prospecting biological diversity. Establishing links to policy and regulatory frameworks on ABS provisions and promotion and strengthening of biodiversity funds at national, state and local levels; identifying and developing innovative financing mechanisms for implementation of the Act dealing with ABS applications and information management from the core of the project.

Carrying out public awareness activities on ABS and establishing state level platforms for local communities. NGOs and private sector stakeholder groups to partner and strengthen the ABS components of the Act is also a key part of the project. These activities will help in better coordination of activities besides ensuring multi-stakeholder involvement in the implementation of ABS provisions of the Act. This process would help in contributing to the conservation and sustainable use of biological resources.



# Regulations, Notifications and Litigations

## Notification

The State of Arunachal Pradesh notified State Biodiversity Rules vide notification no. SFRI/APBB/3/10 on 1st July 2011.

## Court cases and complaints on the alleged violation of the provisions of the BD Act

### 1. *Jatropha* misappropriation case, Raipur, Chhattisgarh

A communication was received from Dr. Sanket Thakur, Member, Board of Management, Indira Gandhi Agricultural University (IGAU), Raipur on January 26 2006, in connection with alleged misappropriation of germplasm of *Jatropha curcus* at IGAU by Dr. Sunil Puri, Scientist, IGAU and C.R. Hazara, VC of IGAU. Advisor (law) had sent a communication dated November 9, 2011 to Shri. R.N Bose, Assistant Law officer, IGAU requesting details on the current position of the case. The then Legal consultant, NBA went to Raipur to get the papers filed in the magistrate court. The case is sub-judice.

### 2. Export of embryos of Gir breed cattle from Gujarat to Brazil

A communication was received from MoEF on April 5, 2011 about reported export of embryos of Gir breed cattle to Brazil by a lab in Bhavnagar, Gujarat. A communication was sent to the Gujarat Biodiversity Board for collecting the information and evidence on the matter for taking appropriate action. The Gujarat Biodiversity Board vide letter dated 6th April, 2011, has intimated that the Director, Animal Husbandry, Govt. of Gujarat has been requested to arrange to conduct an enquiry into the matter and to submit report in this case. Further, the Board has informed that the details will be communicated as soon as the report is received

from the Animal Husbandry Department, Gujarat. The issue is under investigation by NBA and State Biodiversity Boards.

### 3. Alleged misappropriation of the viral resistant trait of Indian melons by M/s Monsanto

NBA received a communication from the Ministry of Environment and Forests, Govt. of India on the alleged misappropriation of viral resistant trait of Indian melon by M/s Monsanto, USA. M/s Monsanto had also obtained patent on the seeds containing the said virus-resistant trait from the European Patent Office. The US Department of Agriculture database revealed the place of collection of the seeds (family: Cucurbitaceae, *Cucumis melo subsp. melo*) as India. It was also found that the same was accessed from India in 1966. As NBPGR acts as a nodal institute at national level for acquisition and management of indigenous and exotic plant genetic resources for food and agriculture, a request was made to NBPGR to arrange screening of their record/database for the said species and inform such details to NBA. Based on the information provided by the NBPGR, a communication was sent to the Director, Indian Agricultural Research Institute as its office handled import and export of germplasm prior to the existence of NBPGR. The matter is under review and an appropriate decision will soon be taken.

### 4. Complaint in respect of Bt Brinjal

A background note on Bt brinjal in respect of alleged violation by the M/s. Monsanto Pvt. Ltd., and their collaborators for accessing and using the local brinjal varieties for development of Bt brinjal without prior approval of the competent authorities was discussed and it was decided during the 21st meeting of the Authority that NBA may proceed legally against the alleged

violation. Legal opinion on Bt brinjal on the alleged violation by the M/s. Mahyco/M/s Monsanto, and their collaborators for accessing and using the local brinjal varieties for development of Bt brinjal without prior approval of the competent authorities was discussed and it was decided that the NBA may proceed legally against M/s. Mahyco/ M/s Monsanto, and all others concerned to take the issue to its logical conclusion. The matter was put for voting in the 23rd Authority Meeting. Based on this it was decided that legal action be initiated against M/s Mahyco and its collaborators as appropriate.

#### **5. Export of Malabar breed goats from Kerala to Australia**

“Campaign for Conservation & Community Control Over Biodiversity” an NGO based in Noida, UP flagged a red alarm to NBA, through a communication stating concern on a report appeared in the media that the Kudumbashree Mission, Kerala has followed a proposal to ship

300 live Malabari goats of pure line to Australia for veterinary research. Moreover, first batch would be shipped by March. Kerala Livestock Development Board and various other NGOs expressed their concern on it.

NBA immediately intimated to Kerala SBB for their report on this violation of BD Rules. In response SBB informed that the letter received from the Government of India states that officials from Kudumbashree has denied any such illicit export even though they received a request and they assured that their activity will abide to Rules and Regulation in force.

Kerala SBB as recommended by NBA has also alerted the Custom and Port Authorities and requested to ensure the export of Bioresource should be in accordance with Biological Diversity Act-2002 and Biological Diversity Rules-2004. A copy of Biological Diversity Act 2002 and Biological Diversity Rule 2004 has been sent for their future guidance.



**NATIONAL BIODIVERSITY AUTHORITY  
TARAMANI, CHENNAI - 600113**

**Receipts and Payments Account for the year ended 31st March, 2012**

(Amount in Rs.)

Receipts	Current Year 2011-12	Previous Year 2010-11	Payments	Current Year 2011-12	Previous Year 2010-11
<b>I. Opening Balances:</b>			<b>I. Expenditures:</b>		
a) Cash in hand	10,000	5,000	a) Establishment Expenses	1,50,89,637	1,19,92,933
b) Bank Balances:			b) Administrative, E.C./ Authority Meetings & Travel Expenses	3,40,62,085	3,03,58,366
(i) In current A/c	26,915	45,201			
(ii) In Deposit A/c		21,25,000	<b>II. Payment made</b> towards Funding for Various Projects	32,85,883	31,71,872
(iii) In Savings A/c	2,20,80,192	55,56,910			
c) GEF Bank A/c	1,51,747	31,924	<b>III. Investments &amp; Deposits Made:</b>		
d) UNDP Cash	3,000	-	a) Out of Earmarked/ Endowment funds	-	-
UNDP Bank A/c	5,04,790	2,60,132	b) Out of own Funds	-	-
<b>II. Grants Received:</b>			<b>IV. Expenditure on Fixed Assets &amp; Capital Work -in- Progress</b>		
a) From Government of India	7,93,68,946	6,18,73,956	a) Purchase of Fixed Assets	31,04,212	9,39,163
b) From State Government	-	-	b) Expenditure on Capital Work-in progress	-	-
c) From other Sources	-	-			
<b>III. Income on-Investments from</b>			<b>V. Refund of Surplus money/Loans</b>		
a) Earmarked/Endowment Funds	44, 147	3,68,890	a) To the Govt. of India	-	-
b) Own Funds (Other Investments)	-	-	b) To the State Government	-	-
<b>IV. Interest received</b>			c) To other providers of funds	-	-
a) On Bank S.B.A/c	8,97,741	1,13,399			
b) Loans, Advances, etc.	-	-			
<b>V. Other incomes:</b>					
a) Application Fees	3,13,143	2,80,703			
b) Royalty	1,98,673	3,29,181			
c) Miscellaneous-Income	360	4,505			
d) Sale of Newspapers	1,548	2,002			
e) Sale of Assets	5,15,013	-			
f) RTI filing fees	125	80			

(Amount in Rs.)

Receipts	Current Year 2011-12	Previous Year 2010-11	Payments	Current Year 2011-12	Previous Year 2010-11
<b>VI. Amount Borrowed</b>	-	-	<b>VI. Finance -charges (Interest)</b>	-	1,25,386
<b>VII. Other Receipts:</b>			<b>VII. Other Payments</b>		
Earnest Money/Security	93,000	-	Security/Telephone	5,32,500	-
Deposit Recd. From Contractors	-	-	Deposits Paid		
Encashment of Fixed Deposit	-	-	SBBs. Share of Royalty	83,980	-
NBA CPF Bank A/c Transfer	96,000	2,27,575	Grants to State Bio-diversity Boards (SBB)	25,00,000	20,00,000
NBA Staff CPS Bank A/c Transfer	5,46,776	7,21,404	Fundings to State Bio-diversity Boards (SBB)	1,44,73,425	-
GEF. Project A/c	2,37,19,987	5,10,966	CPF Bank A/c Transfer	96,000	2,27,575
UNDP. Project A/c	32,18,060	1,07,17,546	NBA Staff CPS Bank A/c Transfer	5,46,776	7,21,404
			GEF. Project A/c	1,06,24,061	3,91,143
			UNDP. Project A/c	36,98,207	1,04,69,888
			<b>VIII. Closing Balances</b>		
			a) Cash in hand	15,000	10,000
			b) Bank Balances:		
			(i) Current A/c	19,198	26,915
			(ii) In deposit A/c	85,00,000	-
			(iii) Savings A/c	2,18,83,883	2,20,80,192
			c) GEF Bank A/c	1,32,47,673	1,51,747
			d) UNDP Cash	1,353	3,000
			UNDP Bank A/c	26,290	5,04,790
<b>Total</b>	<b>13,17,90,163</b>	<b>8,31,74,374</b>	<b>Total</b>	<b>13,17,90,038</b>	<b>8,31,74,374</b>

Sd/-  
SECRETARY

Sd/-  
CHAIRMAN





**NATIONAL BIODIVERSITY AUTHORITY  
TARAMANI, CHENNAI - 600113**

**Balance Sheet as at 31st March, 2012**

(Amount in Rs.)

<b>CORPUS/CAPITAL FUND AND LIABILITIES</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
CAPITAL FUND	<b>1</b>	3,81,46,623	2,21,60,051
RESERVES AND SURPLUS	<b>2</b>	---	---
EARMARKED/ENDOWMENT FUNDS	<b>3</b>	96,40,217	84,76,215
SECURED LOANS AND BORROWINGS	<b>4</b>	---	---
UNSECURED LOANS AND BORROWINGS	<b>5</b>	---	---
DEFERRED CREDIT LIABILITIES	<b>6</b>	---	---
CURRENT LIABILITIES AND PROVISIONS	<b>7</b>	2,40,69,789	13,89,571
<b>TOTAL</b>		<b>7,18,56,629</b>	<b>3,20,25,837</b>
<b>ASSETS</b>			
FIXED ASSETS	<b>8</b>	87,82,006	73,10,605
INVESTMENTS-FROM EARMARKED/ ENDOWMENT FUNDS	<b>9</b>	---	---
INVESTMENTS-OTHERS	<b>10</b>	85,00,000	---
CURRENT ASSETS, LOANS, ADVANCES ETC.	<b>11</b>	5,45,74,623	2,47,15,232
MISCELLANEOUS EXPENDITURE (To the extent not written off or adjusted)			
<b>TOTAL</b>		<b>7,18,56,629</b>	<b>3,20,25,837</b>
SIGNIFICANT ACCOUNTING POLICIES	<b>24</b>		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	<b>25</b>		

Sd/-  
SECRETARY

Sd/-  
CHAIRMAN

Given the increasing awareness about the Act in the country and the need to implement the provisions of the Act and Rules more effectively at national, state and local levels, NBA envisages to consolidate its actions on the ground on administrative, technical and legal issues with an intention to further strengthen the State biodiversity Boards and Biodiversity Management Committees, NBA wishes to focus on better and focussed engagement with these entities during 2012-2013.

With an aim to have impactful results on the ground and to prepare for the CBD-CoP 11 meetings, NBA wishes to engage with wide varieties of stakeholder groups to address the implementation challenges of the Act and Rules. The following is a summary of suggestive actions planned by NBA during 2012-2013.

1. Strengthen the functioning of State Biodiversity Boards in all the states and Union Territories (special bodies/councils) by providing necessary support and guidance of National Biodiversity Authority.
2. Extend support and financial assistance to the projects and awareness creation activities initiated by State Biodiversity Boards and other academic/research institutions, professional bodies, NGOs for conducting workshops, seminars, field camps, etc. for effective implementation of the Act and Rules.
3. Creating awareness through mass media and using suitable tools to communicate biodiversity issues.
4. Support formation of Biodiversity Management Committees in different States of India.
5. Facilitate/organize scientific conferences and awareness programs to various stakeholders on provision of the Act and Rules to enhance compliance and to raise awareness.
6. Strengthen preparatory process of documentation of People's Biodiversity Registers.
7. Celebrate International Day for Biological Diversity 2012 in a befitting manner that raises the profile of biological diversity at state and national levels.
8. Design and implement the Indian Biodiversity Information System (IBIS) portal -Phase I -through creation of appropriate technical platforms and partnerships.
9. Finalize the Access and Benefit Sharing guidelines for implementation of the ABS provisions under the Act and Rules.
10. Suggest and provide implementation options and appropriate models for BMC formation and related matters under various provisions of the BD Act as per the recommendation of the Task Force (Expert Committee) set up for the purpose.
11. Finalize guidelines for utilizing the National Biodiversity Fund.
12. Finalize the work under the Expert committee working on training programmed and modules for different stakeholder groups to better implement the Act and Rules.
13. Amend the access agreement formats as per the field operational requirements of ABS provisions.
14. Strengthen the legal cell in NBA.
15. Channel benefits (royalty received through access agreement) to benefit claimers/conservers of biological resources through approved mechanisms.
16. Facilitate successful organisation of CBD-CoP 11 by providing strategic and technical inputs to the Ministry of Environment and Forests including for the high level Ministerial segment.
17. Strengthen the functioning of Expert Committees established by NBA and implement their recommendation.
18. Develop and strengthen in-house technical and legal capacities of NBA at headquarters.
19. Prioritise acquisition of land for office building, land development and civil construction.

## 14

An Approach to the  
Twelfth Five Year Plan (2012-17)

NBA's inputs towards preparation of the 12th Five Year Plan document (2012 – 2017) on Environment and Forests has been that of effective implementation of the Biological Diversity Act (2002) and Rules (2004) at state and local levels. With its decentralized implementation structure to implement the Act at national, state and local levels and establishing statutory bodies at the three levels, the relevance of mainstreaming actions on the ground through the State Biodiversity Boards (SBBs) and Biodiversity Management Committees (BMCs) across a range of schemes and programmes under Environment and Forest Portfolio has been attempted.

The need to link various schemes and programmes during the 12th plan period has received inputs in the form of making BMCs as central structures to coordinate local actions to conserve, sustainably manage and use and share the benefits of biodiversity.

The following priorities have been identified by NBA for the effective implementation of the Act and Rules during the 12<sup>th</sup> Plan period.

- i) Achieving synergies and mainstreaming on biodiversity and related issues across ministries, sectors, schemes and programmes.
- ii) Ensuring awareness about biodiversity is enhanced amongst stakeholder groups throughout the country.
- iii) Building at State and BMC level to effectively implement the Act and Rules and
- iv) Securing needed financial, human-resource and technical expertise to NBA to deliver its mandate effectively.

NBA wishes to provide a platform to the Ministry of Environment and Forests to deliver on Government of India's mandate as party to biodiversity related Multi-lateral Environmental Agreements (MEAs) in general and the Convention on Biological Diversity (CBD) in particular and ensure into an institution that responds to creating and enabling environment in the country on issues of biodiversity, livelihoods and development.



## 1. Andhra Pradesh

The Andhra Pradesh Biodiversity Board has convened four quarterly Board meetings in May 2011, August 2011, November 2011 & February 2012 to discuss issues related to biodiversity management. Decisions were taken on the subject of geographical indications of different biological resources and 15 no-objection certificates for use of biological resources were issued to NBA in consultation with the Biodiversity Management Committees (BMCs).

The SBB has identified the areas of Timmamma Marrimanu, a 200 year old Banyan tree in Anantapur district, located about 35 km from town Kadiri and an agrobiodiversity site in Zaheerabad, comprising of 39 villages in Medak district as potential Biodiversity Heritage Sites for which proposals have been submitted to the State Government for notification. Five other sites including Timbaktu, Ankush, Srisailam, Kolleru and Tirumala hills are also under consideration. 59 new BMCs have been constituted by the local bodies, increasing the total number of BMCs in the State to 94.

### The following publications have been made by the Board:

- a) A booklet on Biodiversity Management Committee (Constitution, Rights & Responsibilities)
- b) Birds of Hyderabad
- c) A booklet on Alankarana Chepalu - Parichayam (in Telugu)
- d) A brochure on NAIP Project in Adilabad District
- e) A brochure on A.P.State Biodiversity Board
- f) A booklet on NAIP Project
- g) A booklet on Chepalu - Vantarakalu (in Telugu)
- h) A brochure on Success Stories of NAIP Project



The International Biodiversity Day 2011 was celebrated on 22.5.2011 at Jubilee Hall, A.P. Hyderabad in a befitting manner. The Hon'ble Minister for Forests, Sri Satrucharla Vijaya Rama Raju, the Hon'ble Minister for Horticulture Sri. Rami Reddy Venkat Reddy and Hon'ble MLA, Sri Damodar Reddy, Dr.S.K.Pareek, CPI, NAIP, New Delhi, Principal Chief Conservator of Forests, A.P. Hyderabad and several officials, farmers, and biodiversity conservers participated in the celebrations. An exhibition of Ongole bull, cow, ram etc., and exhibition of fish biodiversity and forest biodiversity was also arranged on the day which was witnessed by several dignitaries and public. A souvenir, Telugu version of Biological Diversity Act 2002, Biological Diversity Rules 2004 and A.P.State Biological Diversity Rules 2009 and other brochures were also released. Further, 22 biodiversity conservers were honoured during the celebrations. A competition on biodiversity was also conducted among the School Students and prizes were distributed to them. Biodiversity Management Committee in Amarchintha has entered into an agreement with the third party with benefit sharing mechanism. Further, the Board has submitted proposals to the Government for notifying guidelines on "Rules for the management and conservation of Biodiversity Heritage Sites 2011" and "Rules for financial and administrative guidelines of BMCs."

## 2. Arunachal Pradesh

In Arunachal Pradesh 15 BMCs have been constituted at the village/ Panchayat level in the financial year. As a part of International Biodiversity Day 2011 celebration, awareness programmes were conducted by SBB in two villages. The SBB has received 4 applications, of which consent was given for 2 applications.

## 3. Assam

The Assam State Biodiversity Board has been recently established and further establishment of BMC and PBRs are underway. Three board meetings were held during 2011-2012.

Under Section 23(B) two applications were approved and one under process for granting permission for commercial utilization or bio-survey and bio-utilization.

## 4. Gujarat

Gujarat Biodiversity Board constituted 75 BMCs at village/ panchayat level PBR documentation of 3 BMCs started in two districts, Gandhinagar & Panmahal.



Export of embryos of prized Cattle from Gujarat to Brazil by Sagwadi Gaushala Trust, Bhavnagar was enquired by the board and a report was submitted to NBA.

Two applications received under section 24 (1) for prior intimation of Indian/Indian organisation/ associations are under process.

NBA and Gujarat SBB have jointly launched UNEP-GEF project on "Strengthening Implementation of Biological Diversity Act and Rules with Focus on Access and Benefit Sharing (ABS) Provisions" at Gandhinagar on 7 February 2012. The declaration was done by Hon'ble Minister of Tribal Development, Forest & Environment Department, Government of Gujarat, Shri Mangubhai Patel and he emphasised the potential and need of conservation of Biodiversity of Gujarat in different Ecosystems and focused on need of development and benefit sharing of the biological resources for the betterment of the local people and the environment. Dr. Balakrishna Pisupati, Chairman, NBA was present as guest of honour because of his rich experience in the field of Biodiversity conservation and development. He gave a detailed account of Biodiversity conventions and its policy framework at

International Level. This project is being carried out in 5 states of India namely Andhra, Gujarat, Himachal Pradesh, Sikkim and West Bengal on the pilot basis to set the guidelines, manuals and standards for the Implementation of the provisions of Biological Diversity Act, 2002. Shri B.N. Srivastava, IFS, Principal Chief Conservator of Forests & Chairman, Gujarat SBB presented the details on Convention on Biological Diversity, UNEP-GEF Project and elaborated about BMC formation, PBR Preparation, BHS declaration, Implementation of the Biological Diversity Act, implementation of the new project on Access and Benefit Sharing and activities & outcome of the project. Shri Pradeep Khanna, IFS, PCCF & HoFF, spoke about the need of conservation & development of Biodiversity of the state. Dr. A.P. Singh, IFS, Member Secretary, GSBB, welcomed the guest, delegates and gave a brief account of the project and unique biodiversity of Gujarat. Shri B.J. Nayak, DCF, Gujarat BB proposed vote of thanks. Nearly 250 officers of forest, agriculture, horticulture, animal husbandry, fisheries department universities scientist science colleges NGOs sarpanches of village panchayat, Chairman and members of biodiversity management committees from different districts participated. An exhibition was also arranged, depicting various ecosystem, forest types, species diversity and matter relating to implementation of the act. A brochure was prepared for this event in both English and Gujarati. Participants were given literature on biological diversity act 7 rules and brief of the new project.

Awareness camps were organised at 4 districts Shamlaji, Godhra, Baria, Anand highlighting on importance on biodiversity conservation, development, on different dates.

The theme for International Day for Biological Diversity celebrated on May 22, 2011 at Sahakar Hall, Himmatnagar, Sabarkantha was "Forest Biodiversity", to reflect the rich biodiversity and to support for its sustainability. An awareness camp was organised with the help of Social Forestry division, Sabarkantha (N) which was attended by the Forests Staff working in Territorial and Social Forestry divisions. It was inaugurated by Dr. S.K. Nanda, IAS, Principal Secretary, Forests & Environment Department, Govt. of Gujarat and Shri B.N. Shrivastava, IFS, Chairman, Gujarat SBB, Gandhinagar was guest of honour and various government, forest officers and delegates of different departments deliberated on the conservation

and development of biodiversity, constitution of biodiversity management committees and preparation of People's biodiversity registers joined

#### 5. Haryana

The renotification of SBB has not been issued since its expiry on 13.11.2009.

#### 6. Himachal Pradesh

Fourteen BMCs have been formed in which five at Block/taluk level during the year. The following six sacred grooves have been identified as BHS on a pilot basis and the same would be notified

- Maa Tara Devi
- Bhat Devta
- Maa Bhima kali
- Devta Junga
- Jakhu
- Dinghu Mata

The Himachal Pradesh Biodiversity Board carried out following activities for implementation of Biological Diversity Act, 2002 in the State:

#### **Awareness campaign for implementation of Biological Diversity Act, 2001 in the State:**

Nine one-day awareness workshops on BD Act 2002 were organized on various dates for the stakeholders of Biodiversity at nine Development Blocks of the state. The stakeholders, mainly representatives of Panchayati Raj Institutions (Zilapradhan and other members of panchayat, including NGOs, Mahila Mandals, Yuvak Mandals, etc) were invited through the Block Development Officers. The resource persons were from different institutes of the state such as Indian Agriculture Research Institute, Regional Station, Amartara Cottage, Shimla, National Bureau of Plant Genetic Resource, Regional Station, Phagli, Shimla, H.P. and G.B Pant Institute Environment and Development, Mohal Kullu, State Council for Science Technology and Environment, H.P. Block Development Officer of the Blocks assisted the SBB. This was conducted in point to make the participants aware of the term "Biodiversity", its importance, conservation, accessing and benefit sharing.

#### **International Biodiversity Day Celebration**

Celebrated on 22.05.2011 on the theme "Forest Biodiversity - The Living Treasure" and the following activities were carried out:

Live discussion between Sh. Sanjeeva Pandey, Chief Conservator of Forest (Wildlife), H.P.

Forest Department and Dr. J.C. Rana, Principal Scientist and Head, National Bureau of Plant Genetic Resources, Phagli, Shimla, H.P. was aired through Doordarshan from 4:30-5:00 pm on 20.5.2011 on the theme "Forest Biodiversity-the Living Treasure". Even jingles/spots were relayed from 1.7.2011 to 10.7.2011 through All India Radio, Shimla and Reliance Broadcasting Network Limited, Kanlog, Shimla.

Essay writing Competition was organized in three categories (youth, women, and farmers) through publications of an advertisement in two newspaper: Dainik Bhaskar and Hindustan Times on themes Urbanization and Loss of Biodiversity, Role of Woman in Conservation of Biodiversity and Traditional Plants/Crops and farm conservation. The entries received by the Board were evaluated and the suitable winners were awarded prize money.

#### **Eco-Audit with special focus on Biodiversity training workshops organized**

The training on Environment Audit was conducted on five thematic areas i.e. water, air, land, energy and waste with special focus on biodiversity. The Board carried out Environment Audit to 42 Eco-clubs of Kangra, Chamba on September 29-30, 2011, Kullu and Mandi on February 17-18, 2012 in Technical collaboration with Centre for Science and Environment, New Delhi.

#### **Popularizing use of farm friendly agri./horti. practices in the State**

The board initiated programs to spread awareness among farmers in use of bio fertilizers and ecofriendly agriculture practices whereby reducing use of chemicals in farms.

#### **Popularizing Conversion of Pine needle biomass into briquettes**

The H.P. State Biodiversity Board every year carries out a programme for popularizing conversion of pine needle into briquettes for use of fuel in the households and for space heating during winter season in rural area. This year the board organised training cum demonstration at Gagret and Una, Distt. Una, H.P. (13-14 October, 2011) and at Prasada for Prasada-hawani, Ropri, Chowk and Janjhel Panchayats, Tehsil Sarkaghat, Distt.Mandi, H.P. (9 November, 2011).

Two-days training programme was organized at Appropriate Technology Centre, Sundernagar on December 21-22, 2012 where eight artisans from Anni Gohar and Dharampur Blocks participated.

Similar training-cum-demonstration was organised at Block development Office Chachyot at Gohar, Distt. Mandi on 22nd November 2011 and at village Keran, Panchayat Bhanwad, Tehsil Sundernagar, Distt. Mandi.

The biodiversity board published the following key publications:

- “Himachal Pradesh mein Jaivvidhta ki sthiti avam pahal”.
- Biodiversity Status and initiatives in Himachal Pradesh.
- “Chidkechilaru (pine needles) biomass se briquettes (koyla) taiyarkarne bare jankari”.
- “Himachal Pradesh mein Jaivvidhta, sambandhit samsyaen avam sarakshan hetu sujhav”.
- “Jaivvidhta Adhiniu-2002 avam Jaivvidhta, 2004 ke antargat Sthaniya Nikay/gram panchayat star par jaivvidhta prabandhan samitiyon kagathan”.
- Himachal Pradesh Sub-State Site (Lahaul & Spiti and kinnaur) Biodiversity Strategy and Action Plan.

## 7. Karnataka

The Karnataka Biodiversity Board has conducted 3 Board meetings (05/05/2011, 14/09/2011 and 20/01/2012) during 2011-12. The Board has notified four sites i.e, Nalluru tamarind grove, Hogrekhan, Gandhi Krushi Vignana Kendra and Ambaragudda as Biodiversity Heritage Sites. Ambaragudda in Shimoga district is located between Sharavati wildlife sanctuary and Someshwara wildlife sanctuary with unique shola vegetation and spreads over an area of 3857.17 acres. Nethrani Coral Reef Island in Uttara Kannada district is being considered for declaration as BHS. This site lies 11 nautical miles off the coast of Bhatkal in Arabian Sea. 222 BMCs at village/Panchayat level and 30 BMCs at block/mandal/taluk level have been formed during the financial year. 25 People's Biodiversity Register (PBRs) have been documented during the year, taking the total number of PBRs in the State to 240.

Brochures on Amirthmahal breed of Karnataka and Nalluru BHS were published in English and Kannada. Seventeen exhibit panels covering different issues on biodiversity and its conservation were prepared. Leaflets on importance of biodiversity were distributed as part of awareness programmes.

Of the three writ petitions, concerning declaration of Netrani islands as BHS, construction of link road through GKVK campus and protection of a Biopark in Padmanabhanagar, Bangalore, two are pending with the High court of Karnataka. Further, the Board has conducted inquiries with respect to the Bt Brinjal case.

Karnataka SBB has instituted 11 biodiversity awards in general and agrobiodiversity categories. The SBB has started a newsletter giving details of important information and articles from various sources on various components of biodiversity.

KSBB released its first quarterly News Letter on 2009, and 11 issues have been released since with 3 issues in 2011-12.

The Board has conducted several workshops/meetings/awareness and training programmes. The Deputy Director of the board attended a training program on Information Technology at Administrative Training institute, Mysore during 3rd week of July, 2011. Officers from the Board attended the meeting on Bt brinjal issues on 28th October 2011 at NBA, Chennai, National Consultation cum workshop on PBRs on 22<sup>nd</sup> and 23<sup>rd</sup> December 2011 at Bangalore, 7th meeting of SBBs on 27th January 2012 at Chennai. Video recording was prepared on 24th October, 2011 at State Institute for Rural Development, Mysore for awareness programme on Biodiversity Act 2002 in relation to local bodies to be telecast throughout Karnataka in which Mr. K.S Sugara, Member Secretary, KBB explained activities of KBB. Funds amounting to Rs. 40 lakhs was granted by the Board for research projects and special studies. The Karnataka Biodiversity Board has released over 50 publications on its own and in collaboration with Centre for Ecological Sciences, IISC, Bangalore.

## 8. Kerala

The Kerala Biodiversity Board conducted two meetings on 17.08.2011 & 28.11.2011. Five sites have been identified as Biodiversity Heritage Site and the process for notification has completed only for Kalasamal, Thrissur for presence of critically endangered tree *Syzygium travancoricum*.

Biodiversity Management Committees constituted by the Board at panchayat level is 30, 32 at municipality level and one at corporation level. 362 PBRs have been constituted resulting to a total of 412 PBRs at the end of the year.

The following documentary films were prepared as a part of awareness generation:





1. A documentary on 'Mangroves of Kerala'
2. Based on a wetland biodiversity conservation project of the Board a documentary on 'Maranchery a success story'

As part of biodiversity day celebrations KSBB distributed a translated version of a booklet by U.N. on 'Conservation of Forests'.

Citizen Charter of KSBB and the Directory of BMC Members (978 Panchayats) released by Hon. Chief Minister during the month of November 2011.

**As for awareness programmes, the following events were conducted:**

Celebrations on International Biodiversity Day on 22.05.2011 at Science & Technology Museum hall, Thiruvananthapuram, was inaugurated by Smt. Ishita Roy, Secretary to the Department of Environment, Government of Kerala. Eminent speakers like Prof. M.K. Prasad, Chairman, IT mission, Kerala and Shri K.P. Ouseph IFS, Chief conservator of Forests, talked on the biodiversity of forests of Kerala. Dr. A Bijukumar, Associate Professor, University of Kerala, conducted a quiz programme on biodiversity. 100 students from schools and colleges in Thiruvananthapuram participated in the function.

**Workshop/ Seminars/ Meetings**

A one day workshop was organised on 30.09.2011 by the Kerala State Biodiversity Board (KSBB) together with Department of Aquatic Biology and Fisheries, University of Kerala to provide vernacular names for all the freshwater fishes of Kerala - 'Meenu Oru Peru'. The workshop was inaugurated by Dr. B. Madhusoodana Kurup, Vice-Chancellor, Kerala University of Fisheries and Ocean Sciences. Dr. R.V. Varma, Chairman, Kerala State Biodiversity Board (KSBB) presided over the function.

Kerala State Biodiversity Board in an effort to conserve the medicinal plants and bioresources

conducted a meeting on 20.12.2011 at Hotel Chaithram, Thiruvananthapuram between the major and selected stakeholders. This meeting also focused on the issues like steady supply of raw materials to the Ayurveda industries and also effort for conservation the valuable resources as many herbs and shrubs are at the verge of extinction.

Heronry conservation programme was carried out by the Board in the districts of Kottayam and Alappuzha . A scheme was evolved through the Kottayam Nature Society to identify the stakeholders who are the conserving the heronries in the districts and incentives were distributed to stakeholders at a function held at Government High School Ayaparambu, Harippad on 12 August 2011.



**Awareness Programmes**

4th Children's Ecological Congress was held at the Institution of Engineers Hall, Thiruvananthapuram from 17 to 18 November, 2011. Competitions like painting, essay writing and quiz were held at primary, high school and higher secondary levels and prizes were distributed. The students also got an opportunity to visit the Museum and Zoos.

Under Mahatmaji Jaivodhyanam, Campus biodiversity conservation programme, Strengthening the campus biodiversity enhancement programme of the college of Forestry at Kerala Agricultural University Campus at Vellanikkara, various institutes , schools were distributed money to conserve the RET species.

Training programmes were conducted for BMC Members of selected Panchayats. Even trainings were given for PBR Consolidation -

Citizen Charter of KSBB and the Directory of BMC Members (978 Panchayats) released by Hon. Chief Minister during the month of November 2011

Awards instituted by the SBB in 2011-2012:

The KSBB has also recognised the promoters of biodiversity concept by instituting awards to deserving individuals and institutes as given below:

Green individual : Shri. Shyam P.S., Alappuzha and Shri. Shyam Kumar N., Palakkad

Green Institution : Tropical Institute of Ecological Science, Kottayam

Green School: Jawahar Navodaya Vidhyalaya, Wayanad and SVG VHSS, Pathnamthita

Green College: Nehru Arts & Science College, Kasargod

Green Electronics Media Persons (Malayalam): Smt. Sreekala M.S. & Shri T.R. Ratheesh (Camera) India Vision, Kochi

Green Media Person (Malayalam) : Shri R. Samban, Trivandrum



## 9. Madhya Pradesh

The Board released a book on rare, endangered and threatened plant, a field guide on snake and status of globally threatened birds of Madhya Pradesh as an awareness generation initiative. A solitary board meeting was held on 9th May 2011.

The rich biodiversity of medicinal plants, flora and fauna in areas of Koopijatashankar Chhatarpur and Navali and Savad in Mandsur and Kyoti falls in Rewa due to its historic background and existing cultural and floral biodiversity have been



identified as BHS and are in the process of being notified. 202 PBRs have been documented in the state in year.

The Board has approved 2 applications under Section 23(B) for granting approval for commercial or bio-utilisation or bio-survey. The International Biodiversity Day 2011 was celebrated in the capital city Bhopal and all district headquarters. As a regular yearly programme, Mowgli Utsav for school children was organized. In concurrence with creating awareness the Board organises annually The Best Biodiversity Garden Competition in each districts of the state and the winners are being awarded with a cash prize of Rs 5000/- to each district.

Two-day effective training was given to the forest officers for preparation of PBRs in 18 forest divisions and to the master trainers for imparting training to the BMCs at all local body level. Training workshop was organized for two days for sustainable harvesting of gums/resins from google plant to self help group with the help of BMC and Sujagriti Samaj Sevi Sansthan, an NGO in Morena district of M.P.

## 10. Maharashtra

The Maharashtra Biodiversity Board was constituted on 2.01.2012 and therefore the development programmes are undergoing. The board conducted one meeting on 6.03.2012.

## 11. Manipur

The Manipur Biodiversity Board was reconstituted vide Government of Manipur Order dated 28.05.2011. Their ninth Board meeting was held on 23.08.2011. To provide livelihood support to rural communities by supporting cultivation of economically important plants an advice was issued by SBB to Govt. of Manipur vide Office Memorandum dated 2.09.2011.

During this period 19 potential BHS were identified for notification. Twenty six BMCs were formed resulting in 37 total by the end of the financial year at village/Panchayat level. Three PBRs have been documented.

With the vision for conservation of biodiversity of the state two posters, one calendar and a brochure has been prepared.

## 12. Mizoram

The notification of the 'Mizoram State Biological Diversity Rules 2010' was issued on 25.04.2012.



- Two PBRs documented
- Brochures/pamphlets on endangered species of the state were published
- International Biodiversity Board 2011 was celebrated on 23.05.2011 at I & PR auditorium chaired by Dr. S.S.Garbyal, PCCF and Hon'ble Minister, E & F, chairman SBB and the theme was "Forest Biodiversity". A book titled Mizoram Biodiversity Souvenir 2010 was published by MBB was released by Shri Rohluna, Chairman, MBB.

### 13. Odisha

Odisha Biodiversity Rules U/s 63 of Biological Diversity Act-2002 have been drafted with consultation of Panchayati Raj Department and Housing & Urban Development Department and will be placed for approval before the cabinet after vetting by Law Department. Two posters on the theme "Ocean, Coasts, Islands" has prepared through DFO, Rajnagar Wild Life Division.

An allegation from an organization called 'People For Animal' was received from MoEF through NBA regarding export of antigen and antibodies of Rabbit and Rat by M/s Imgenex India to foreign nationals. The PCCF (WL), Orissa has been requested to conduct an enquiry.

Celebration of International Day on Biodiversity was held on 22.05.2012. The main focus was on creating awareness through District Environment Societies.

### 14. Rajasthan

The Rajasthan State Biodiversity Board convened two board meetings on 23.09.2011 and 14.02.2012 in the course of the financial year.

Five sites rich in plant and animal biodiversity were identified for notification as Biodiversity Heritage Sites. Moreover, four multicoloured posters were also published depicting myths and facts about monitor lizard (*Varanus griseus*), featuring cinereous vulture (*Aegypius monachus*) & Eurasian Griffon Vulture (*Gyps fulvus*), portraying tigress with a cub and a poster of the State Bird of Rajasthan- the Great Indian Bustard aiming to depict their importance for conservation of biodiversity. Additionally a poster highlighting rich biodiversity of Rajasthan titled "Eco-friendly doings brings Eco-friendly rewards" was also released.

International Day for Biodiversity was celebrated on 22.05.2011 at Jaipur, delineating importance of biodiversity and the modes through which one can contribute towards conservation and sustainable use to participants. As part of awareness program, water pots were tied on trees for birds and saplings of rare and endangered plant species were planted.



### 15. Tripura

In Tripura, forty seven BMCs at village/Panchayat level and twenty one BMCs at block/taluk level have been constituted in 2011-2012.

- A workshop was organized with the theme "Reduce, Recycle and Reuse" to celebrate International Year of Forestry, 2011 at Army Public School. This started with discussion on importance of Forests and contribution for its conservation. The highlight was showcasing the creativity of the students as they collected wastes from their home and created useful materials. The best three were awarded with a trophy and certificate. Participation certificate was awarded to all participants.

- TBB participated in the National Conference on Water Energy and Biodiversity with special reference to North East region, India.
- A national level conference on water, energy and biodiversity (WEB) was organised jointly by the National Institute of Hydrology, Roorkee and Institute of Engineers, Tripura Chapter Agartala from 20-22 August, 2011. The conference held with direct support from the state government.
- The SBB has sponsored two publications, a book on the Biodiversity of Tripura and a souvenir from Melaghar BMC.

## 16. Uttar Pradesh

The Uttar Pradesh Biodiversity Board has taken efforts to generate awareness and provide information on the concept of Biodiversity in relation to ecosystem services necessary for people's livelihoods and well beings. Various activities and celebrations were organized during the year.

On the occasion of Earth Day (20.04.2011) a "Village Mapping Competition" was arranged at school level of 2 districts namely Lakhimpur and Barabanki districts. Thirty nine students of class IX-XI from Adarsh Janta Inter College, Devkali, Lakhimpur Kheri, 20 students of class VI-VIII from 2 schools of Barabanki district participated in the completion. The best entries were awarded.

The board celebrated the International Day for Biological Diversity (IDB-2011) on 22.05.2011 at Dr. Ram Manohar Lohia National Law University Campus, Lucknow with a one-day National



Conference on "Forest Biodiversity-Earth's Living Treasure". The function was inaugurated by the Hon'ble Minister for Forests and Wildlife, U.P. Shri Fateh Bahadur Singh and the guest of Honour was Padamshree P.K.Sen, I.F.S.(Retd.). Over 400 delegates including officers from U.P. Forest Department and other states, various research organizations/institutes, universities as well as NGO's attended the conference. The conference

was organized to provide an effective platform for all those who are concerned or dealing with convention of biodiversity since it underpins the health and vitality of forests and also serves the basis for a wide range of ecosystem services necessary for people's livelihoods and well beings. Shri Chanchal Kumar Tewary, Principal Secretary (Forests) and Chairman, U.P. State Biodiversity Board, in his talk stated that biodiversity is directly linked with our livelihood



World Environment Day was celebrated in collaboration with Department of Zoology, University of Lucknow, Lucknow. a Quiz Competition for students of Class 6th-12th was organized at Regional Science City, Aliganj, Lucknow, which was further categorized into two groups (Class 6 - 8) & (Class 9-12). The total number of 86 students participated from various schools.

Two-days PBR Workshop was organized on 21 & 22 January 2012 involving 16 participants out of whom 11 participants were from the faculty of Biology of various Colleges and Universities in Uttar Pradesh.

In order to spread the message of biodiversity conservation in wetlands and to mark the celebration on World Wetland Day in accordance with Ramsar Convention on Wetlands on 2 February, the U.P. State Biodiversity Board on the same day also organised various activities and competition.

Wetlands Day is being celebrated globally every year. This particular date has been selected because it marks the adoption of the Convention on Wetlands, in the Iranian city of Ramsar on the 2nd February 1971. Every year, the Ramsar Convention selects a theme and raises awareness on specific types of wetlands or aspects of wetland management. This year the theme they have selected is Wetlands and Tourism. The slogan for this year is - "Wetland

Tourism: A Great Experience". The U. P. State Biodiversity Board organized the following competitions in the last week of January, 2012. Brief accounts of different competitions are as follows:

Essay writing Competition at school and college level was conducted. At school level, total of 38 students from class VI to VIII participated involving 5 schools with the theme "Are Wetlands Important to Us?". For college students the topic was "Sustainable Tourism in wetlands of India-Importance, Current Trends and Challenges". A total of 18 students from 6 colleges took part. Poster Competition for students of classes IX to XII was organised on the topic "Ecotourism in wetlands". A total of 16 students from 3 schools took part. At the college level the topic was "Sustainable Tourism in Wetlands". A total of 14 students from 5 colleges took part. Debate Competition for college students the topic for Debate Competition was "Is eco tourism possible in wetlands?" A total of 9 students from 3 colleges/institutes of Lucknow University took part.

The board on 29.02.2012 celebrated Leap Day. The aim was to raise awareness regarding Amphibian Conservation among the students through various competitions based on Amphibian topics. More than 300 students participated in the events like quiz competition, slogan writing competition on amphibian conservation, frog leap, art and puzzle competition. More than 200 Pamphlets on amphibians were distributed.

Another important day marked by SBB is 'World Sparrow Day' on 20.03.2012 to raise public awareness on the decline of the house sparrow. The SBB made a request through leading newspaper and the website of the board that the public should come out of their home in the morning at 7 am for half an hour and count the number of sparrows. Besides, a competition on colouring the picture of House Sparrow was also organized through the Board's website. Under different categories a total number of 73 entries were received from different schools/colleges of Lucknow in this regard. This encouraging effort was made to spread awareness about urban biodiversity.

One BMC has been constituted at village/panchayat level. The following publications were published:

- A Book on "Conservation of Potential Wetlands in District Sitapur- A First Hand Impression"

- Publication of souvenir on the occasion of IDB-2011
- A poster on U P State Symbols 400 copies of size 20"x30" in English

**A. Publication of Folder(s) involves the following:**

Harishankari, BudhVatika, MasihiVatika, Guru Ke Bagh, Kurani Vraksh Vatika, Tirthkar Vatika, Panchwati, Nachatra Vatika and Navgrah Vatika

Due to rich biodiversity of flora and fauna of Bhauwapar village, Gorakhpur District, was declared as People's Biodiversity Register (PBR). 58 species of crop plants, 12 pests of crops, 20 ornamentals, 6 wild aquatic species, 66 wild animals, 36 trees, shrubs, herbs, tubers, climbers, 10 medicinal plants, 13 timber plants, 9 wild relatives of crops, 4 fodder crops, 8 species of domesticated animals, 18 culture fisheries, 21 medicinal plants, 21 species of fruit plants and 16 weeds have been identified and documented.

**17. Uttarakhand**

The third meeting of Uttaranchal Biodiversity Board was held on 21.07.2011.

The following 17 sites given below are under process of notification as BHS:

**A. Sacred Forests within Reserve Forests or Protected Areas.**

1. Thalke Dhar Sacred Forest (Pithoragarh)
2. Deo Guru Sacred Forest (Nainital)
3. Kalsin (Dhakna village) Sacred Forest (Champavat)
4. Dholinag Sacred Forest (Bageshwar)
5. Shyani/Shyama Devi Sacred Forest (Almora)
6. Thatyur Sacred Forest (Dehradun)
7. Madheshwar Sacred Forest (Uttarkashi)
8. Tarkeshwar Sacred Forest (PauriGarhwal)
9. Hariyali Devi Sacred Forest (Rudraprayag)

**B. Sacred Forest Outside Reserve Forests or Protected Areas**

1. Chamunda Sacred Forest, Gangolihaat (Pithoragarh)
2. Hokara Devi Sacred Forest (Pithoragarh)
3. Akhil Tarini Sacred Forest (Champawat)
4. Lohathal dedicated Forest (Bageshwar)
5. Dhurka Devi Sacred Forest (Almora)
6. Maanhaat Sacred Forest (Dehradun)

7. Sem Mukhim Nag Sacred Forest (Tehri Garhwal)

8. Latu Devta Sacred Grove (Chamoli)

The number of Biodiversity Management Committees constituted by Board at village/ panchayat level is 2, Nagar Pallika/ Municipality level is 13 and Zilla Parishad/ panchayat level is 458. Documentation of six PBR is under progress.

The activities of State Biodiversity Board includes approval of three applications each, under section 23 (B) for commercial utilization or bio-survey and bio-utilization and under section 24 (1) for prior intimation and 2 in processing under the later mentioned section.

Painting competition and public forums were held in Dehradun, Haldwani, Mussoorie and uttarkashi districts of Uttarakhand on the occasion of International Biodiversity Day, 22 May 2011.

### 18. West Bengal

The International Day on Biodiversity was celebrated on May 22, 2011 by the West Bengal

Biodiversity Board. The activities of the Board included 7 seminars, 11 training/workshops and 2 nature study camps aimed at raising awareness for conservation of biodiversity.

The West Bengal Biodiversity Board held 2 board meetings on 11.07.2011 & 16.12.2011 during 2011-2012. 5 BMCs were constituted



at Block/Taluk/Mandal level and 12 PBRs were developed resulting in a total of 32 BMCs and 29 PBRs at the end of the year. The SBB accorded consent for 7 applications under Section 23(b) for approval of commercial utilization or bio-survey and bio-utilization and 2 applications under Section 24(1) for prior intimation.



## MEMBERS OF THE NATIONAL BIODIVERSITY AUTHORITY

The present members of the National Biodiversity Authority as per Section 8(4) of the Biological Diversity Act, 2002, are as under:

Chairperson : Shri M. F. Farooqui, IAS, Chairman (Addl. Full Charge), National Biodiversity Authority & Addl. Secretary, Ministry of Environment & Forests, New Delhi (From 11-11-2010 to 11-08-2011)

Dr. Balakrishna Pisupati, Chairman, National Biodiversity Authority, Chennai  
(From 12-08-2011 onwards)

Ex-Officio Members (Letter No 28-16/2008-CS-III MoEF, dated 17th July, 2008)

Sl. No.	Ex-Officio Member	Represented by
1.	Joint Secretary or an officer of an equivalent rank to the Government of India in the Ministry of Tribal Affairs	Shri A.K.Srivastava, Director, Director, Min. of Tribal Affairs, Shastri Bhawan, New Delhi.
2.	Additional Director General (Forests), Ministry of Environment and Forests, Government of India	Shri P.B. Gangopadhyay, IFS, ADG (Forests), Ministry of Environment & Forests, Paryavaran Bhawan, New Delhi.
3.	Joint Secretary to the Government of India dealing with the subject in the Ministry of Environment and Forests	Shri Hem Pande, IAS, Joint Secretary (CS), Ministry of Environment & Forests, Paryavaran Bhawan, New Delhi.
4.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Agricultural Research and Education, Ministry of Agriculture	Dr. Swapan Kumar Dutta, Deputy Director General (Crop Science), ICAR, Krishi Bhawan, New Delhi.
5.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Department of Biotechnology	Dr. Renu Swarup, Advisor, Dept. of Biotechnology, CGO Complex, New Delhi.
6.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Department of Ocean Development	Shri P. Madeswaran, Director, Min. of Earth Sciences, CGO Complex, Lodhi Road, New Delhi.
7.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Department of Agriculture and Cooperation	Shri Pankaj Kumar, IAS, Joint Secretary (Plant Protection), Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
8.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Department of Indian Systems of Medicine and Homoeopathy	Dr. Bala Prasad, IFS, Chief Executive officer, National Medicinal Plants Board, Chandralok Building, New Delhi
9.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Department of Science and Technology	Dr. B. Harigopal, Advisor, Department of Science & Technology, Technology Bhawan, New Delhi
10.	Joint Secretary or an officer of an equivalent rank to the Government of India dealing with the subject in the Department of Scientific and Industrial Research	Dr. Naresh Kumar, Head, R&D Planning Division, CSIR, Rafi Marg, New Delhi.

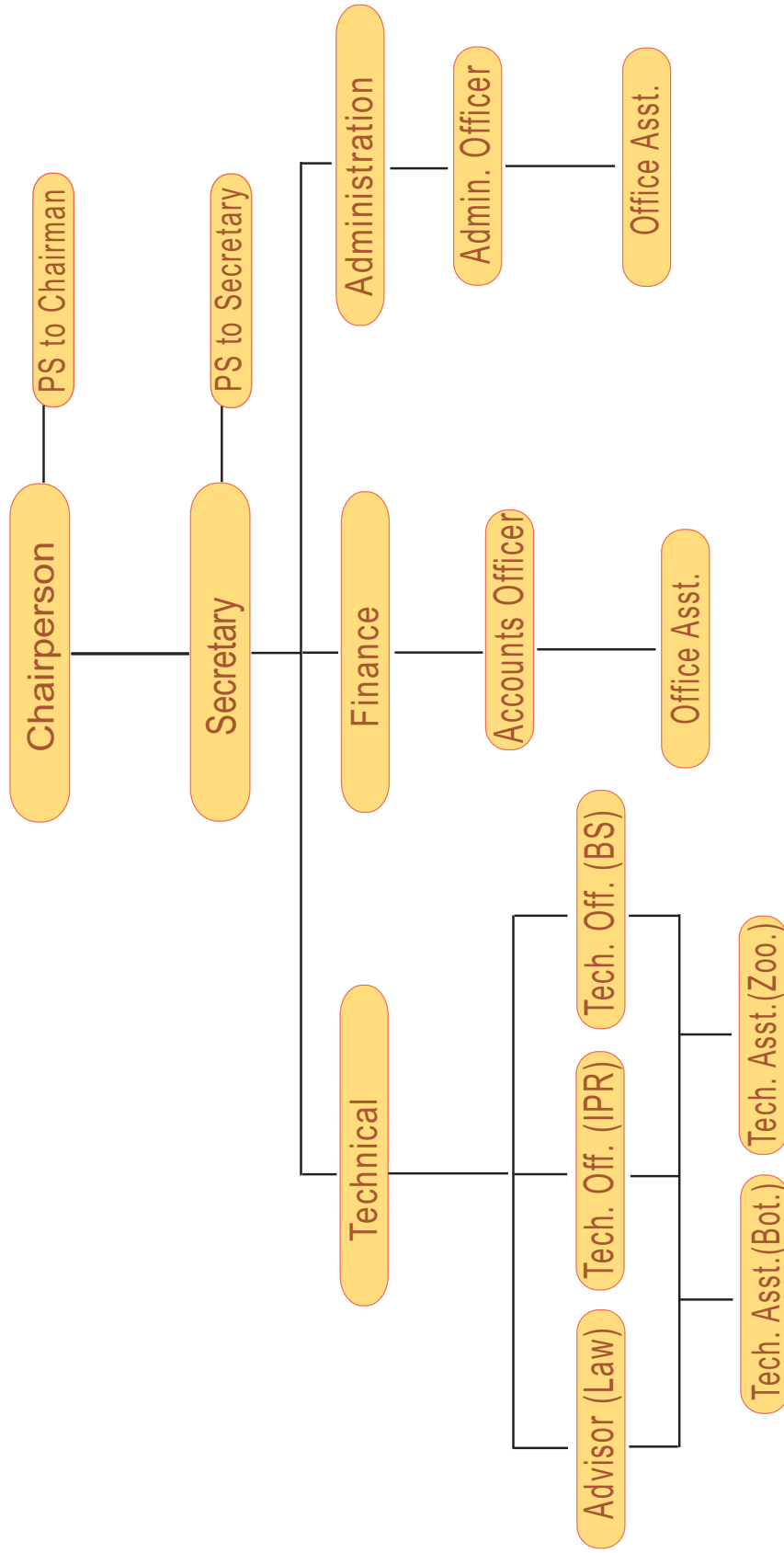
## Non-Official Members (vide Notification S.O.389 (E) dated 15th February, 2010)

1.	Dr. S. Subramaniyan, 54, VGP-Golden sea view, Part II, 2nd Main Road, Palavakkam, Chennai-600 041	reappointed since 22nd February, 2010
2.	Dr. R.S. Rana, Chairman, Bio-Link, D-43, Indraprastha Apartments, Sector-14, Rohini, New Delhi - 100 025	since 22nd February, 2010
3.	Dr. Uppaendra Dhar, 11, SBI Apartments, Near Eicher School, Sector - 46, Faridabad-121002, Haryana.	since 22nd February, 2010
4.	Dr. K.M. Bujarbaruah, Vice-Chancellor, Assam Agricultural University, Jorhat - 785 013.	since 22nd February, 2010
5.	Dr. Darshan Shankar, Advisor, FRLHT, Chairman, Institute of Ayurveda and Integrated Medicine (I-AIM), 74/2, Jarakabande Kaval, Post Attur, Via Yelahanka, Bengaluru - 560 064.	since 22nd February, 2010

**Secretary: Shri C.Achalender Reddy,IFS**



### Organisational Chart of National Biodiversity Authority



Besides the above Officers and staff, the NBA is supported by the Consultants to assist in technical and miscellaneous matters as per Rule 12 (6). The role of consultant is more or less similar to 'Amicus Curiae' in the Court of Law. Besides they assist Chairman and Secretary in preparation of scientific, position papers, project reports etc.

## Annex 3

## Staff Strength of NBA

Position	Sanctioned	Filled	Vacant	Remarks
Chairperson	1	1	-	
Secretary	1	1	-	
PS to Chairperson	1	1	-	
PS to Secretary	1	1	-	
Administrative Officer	1	1	-	
Accounts Officer	1	1	-	
Technical Officer -IPR -1 , Benefit sharing-1	2	1	1	Eligibility conditions for the post are under revision
Advisor (Law)	1	1	-	
Office/Computer Assistants	2	2	-	
Technical Assistants	2	2	-	
Stenographer "C"	1	1	-	
Stenographer "D"	1	-	1	Post being re-advertised
Peon	1 (1- post surrendered as per MoEF Lr. No. 20011/6/07-GC dt 13.4.07)	1	-	Two persons engaged through out-sourcing
<b>Total</b>	<b>17</b>	<b>14</b>	<b>2</b>	

## List of the Officers and Staff of NBA

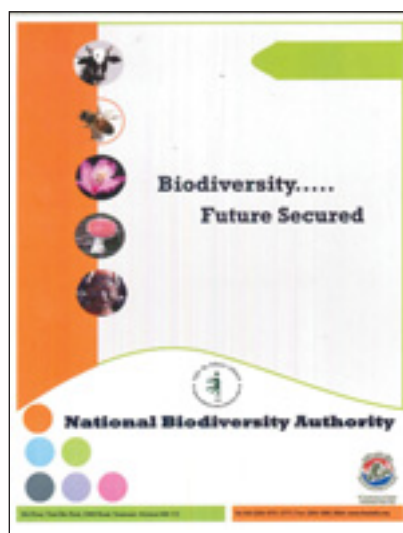
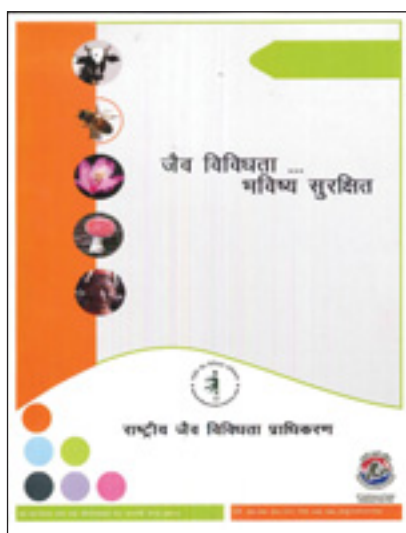
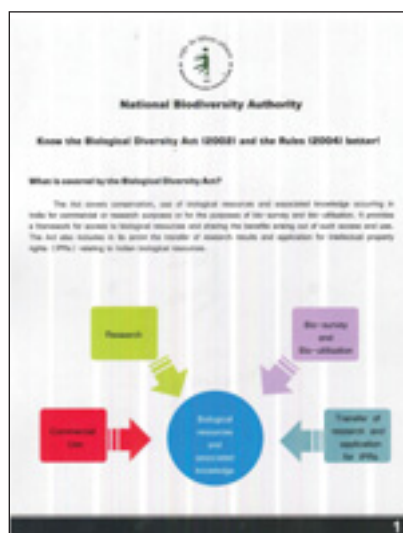
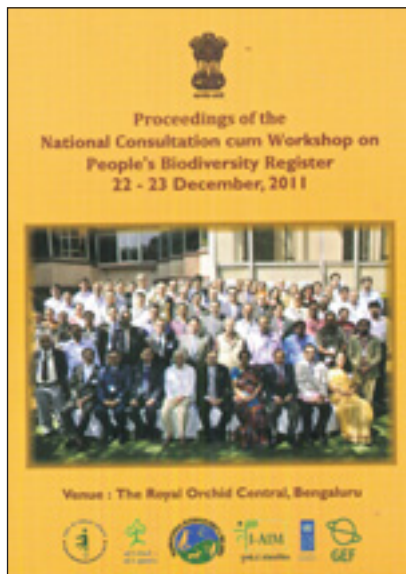
No.	Person	Designation
1.	Dr. Balakrishna Pisupati	Chairman
2.	Mr. C. Achalender Reddy	Secretary
3.	Mrs. S. Padmavathi	Administrative Officer
4.	Mrs. Lakshmi Sankararaman	Accounts Officer
5.	Mr. R. Ramesh	Private Secretary to Chairman
6.	Mr. K. Chitrarasu	Advisor (Law)
7.	Dr. K.P. Raghuram	Technical Officer (Benefit Sharing)
8.	Mrs. Shanthi Jayaraman	Private Secretary to Secretary
9.	Mr. P. Anandhakumar	Technical Assistant (Botany)
10.	Mr. P. Jaishankar	Technical Assistant (Zoology)
11.	Mr. D. Chezhan	Office/Computer Assistant
12.	Mrs. S. Kanchana	Office/Computer Assistant
13.	Mrs. G. S. Sheeba	Stenographer Grade C
14.	Mr. Surendra Ram	Group D

## Chairpersons and Secretaries of SBBs

No.	State	Chairperson	Secretary
1.	Andhra Pradesh	Dr. Hampaiah Ralladoddi	Dr. V. Bhaskara RamanaMurthy Dr. S.N. Jadhav, IFS
2.	Arunachal Pradesh	Shri.Tabom Bam	Shri.G.N.Sinha Dr. Pradeep Chaudhry, IFS
3.	Assam	Shri. P.P. Verma, IAS	Shri. Abhay Kumar Johari, IFS
4.	Bihar	Shri. Basheer Ahmed Khan, IFS	--
5.	Chhattisgarh	Shri.Vikram Usaindi	Shri.N.K.Bhagat, IFS
6.	Goa	Shri.Alexio Sequeira	Shri.Joseph S.R. deSouza, IFS

No.	State	Chairperson	Secretary
7.	Gujarat	Shri.B.N.Srivastava, IFS	Shri.N.S.Yadav, IFS
8.	Haryana	Capt.Ajay Singh Yadav	Shri.T.L.Satyaprakash, IFS
9.	Himachal Pradesh	Mrs.Rajwant Sandhu, IAS	Dr.Nagin Nanda, IFS
10.	Jharkhand	Shri.A.K.Singh	Shri.S.K.Sharma, IFS
11.	Karnataka	Shri.Krishna Palemar	Dr. Ramesh C. Prajapathi, IFS Shri K. Sugara, IFS
12.	Kerala	Dr.V.S.Vijayan	Shri.G.Rajeev
13.	Madhya Pradesh	Shri.Avani Vaish	Shri.Sudhir Kumar, IFS
14.	Maharashtra	Dr. Erach Bharucha	Dr. Anmol Kumar, IFS
15.	Manipur	Shri.D.S.Poonia	Shri V. Ramakantha, IFS Shri R.K. Srivastava, IFS
16.	Meghalaya	Shri. Barkos Warjri, IAS	Shri. M. Balakrishna Reddy, IFS
17.	Mizoram	Shri.H.Rohluna	Shri.L.R.Thanga, IFS
18.	Nagaland	Hon'ble Minister for Forests	Shri.Albert Solo, IFS
19.	Orissa	Shri.Auriben Behera	Shri.B.P. Singh, IFS
20.	Punjab	Shri.Parkash Singh Badal	Dr.Neelima Jerath
21.	Rajasthan	Shri T. Srinivasan, IAS Sh. Salauddin Ahmed, IAS	Shri Virendra Singh, IFS Shri C.S. Ratnasamy, IFS Shri Ashok Kumar B. Ramteke, IFS Shri Rajiv Goyal , IFS
22.	Sikkim	Dr.Pawan Chamling	Shri.N.T.Bhutia, IFS
23.	Tamil Nadu	Shri.N. Selvaraj	Dr.Gunasekaran, IFS
24.	Tripura	Dr.S.K.Panda	Dr.A.K.Gupta, IFS
25.	Uttarakhand	Dr.Burfal	Shri.Jai Raj, IFS
26.	Uttar Pradesh	Shri.Chanchal Kumar Tiwari	Shri.Pawan Kumar, IFS
27.	West Bengal	Prof.Arun Kumar Sharma	Shri.Debal Ray, IFS

### Important Publications of NBA



## Annex 5

## Support extended for trainings/ seminars / workshops etc.

Sl. No.	Institution	Theme
1	Dr. S.R. Srinivasan Ph.D Dean, Faculty of Basic Science, Tamil Nadu Veterinary and Animal Science University, Chennai	Workshop on Conservation of Animal Genetics Resources of Tamilnadu
2	Dr.S. John William, Convener, School of Entomology & Center for Natural Resources Management, Loyola College, Chennai	National Conference on Environmental Protection and Management
3	Dr.G. Syda Rao, Convener, 9th IFF 2011 Director, CMFRI	9th Indian Fisheries Forum
4	Mr. P. Vivekanandan, SEVA	Breed Saviour Award 2011 : Enhancing community level Conservation of Local Livestock breeds through Recognition, Rewards and Networking.
5	Prof. Kannaiyan, Prist University, Thanjavur	National Conference on Biodiversity and Biotechnology
6	Dr.N.K.Dhal, Scientist – EII IMMT, Bhubaneswar Orissa	National Seminar on Biodiversity Conservation and Climate Change (BCCC-1)
7	Shri S. Devadoss Rajendran, Secretary, Biodiversity Action Research Foundation (BARF), Chennai.	Establishing and strengthening people-led coordination mechanisms for effective management of biodiversity in Tamilnadu.
8	Mr.R.V.Varma, Chairman, KSBB, Thiruvananthapuram	Wetland Biodiversity Conservation and Preparation of wetland maps
9	Mr.R.V.Varma, Chairman, KSBB, Thiruvananthapuram	Printing of 8 no of Handbooks in regional language
10	Sh. Ankur Patwardhan, Org. Secy & Head and Dr. Shrikant Gupta, Principal & Convener, MES Abasaheb Garware College, Pune	National Conference on Biodiversity Assessment, Conservation and Utilization
11	Smt.C.Ramalakshmi, Chairperson & Prof. Pardha P.Reddy, Chairperson, Govt. of Sericulture & MGNIRS	National Seminar on Impact of Climate Change and Industrial pollution on Biodiversity and the Need for Community Conservation Initiative
12	Dr. M.R. Vasudevan Nampoothiri, Secretary General, GAF -K	Global Ayurveda Festival – Kerala , Ayurveda Keralam
13	Prof. N. Savithamma, Organising Secretary - ETCOB - 2012, SVU College of Sciences	International / National Conference on Sciences (Biodiversity Conservation)
14	Ms. Harshita Rathore The Asian Heritage Foundation	Bees, Traditional knowledge and livelihoods: Honey hunters and Bee Keepers of Tamilnadu
15	Prof. R. Ramamurthi, Chairman, Network of Indian Universities on Cultural and Biological Diversity (NIUCBD)	International Consultation on 'Ecotechnology and Sustainability Science – Biodiversity Conservation and Sustainable Development
16	Prof. A.S. Kolaskar, Vice Chancellor, KIIT University, Bhubhaneswar	99th Indian National Science Congress, Bhubhaneswar

## NBA: CITIZEN'S CHARTER

### 1. Vision

Conservation and sustainable use of India's rich biodiversity and associated knowledge with people's participation, ensuring the process of benefit sharing for the well-being of present and future generations.

### 2. Mission

Ensure effective implementation of Biological Diversity Act, 2002 and the Biological Diversity Rules, 2004, for conservation of biodiversity, sustainable use of its components and fair and equitable sharing of benefits arising out of utilization of genetic resources.

### 3. Mandate

Reaffirm the sovereign rights over the bio-resources of India and contribute towards prevention of misappropriation of bio-resources and/or associated knowledge.

Provide policy and support relating to conservation, sustainable use of its components and equitable sharing of benefits arising out of utilization of biological resources.

Regulate activities by formulation of guidelines, extension materials for access to biological resources and for reaching the stakeholders and ensuring fair and equitable benefit sharing in accordance with the provisions of the Biological Diversity Act, 2002.

Take measures to oppose the grant of intellectual property rights to persons in other countries on any biological resource of India or knowledge associated with such biological resources of Indian Origin.

Advise the State Governments concerning their area specific biodiversity, and in notifying heritage sites and also suggest measures for their management and sustainable use.

Provide guidance, technical and financial support to Biodiversity Management Committees (BMCs) for preparing People's Biodiversity Registers (PBRs) in the areas falling under their respective jurisdiction.

Perform such other functions as may be necessary to implement the provisions of Biological Diversity Act, 2002.

### 4. Stakeholders

Biodiversity is a multidisciplinary subject involving diverse activities, initiatives and stakeholders. The stakeholders in biological diversity include the Central Government, State Governments, Union Territories, Institutions of Panchayat Raj and Civil

Society Organizations, Industries, NGOs, Research and Development Institutions, Universities and public at large.

### 5. Services Offered

Promotion of Conservation and sustainable use of biodiversity.

Coordination of the activities of the State Biodiversity Boards and Biodiversity Management Committees, sponsor studies and adaptive/ operational investigation and research by providing technical guidance, and commissioning of studies as found necessary.

Advise Government of India on matters relating to conservation of biodiversity, sustainable use of its components and equitable sharing of benefits of biological resources.

Grant approval for access to biological resources occurring in India or associated knowledge, for transferring the results of research, seeking intellectual property right, third party transfer of accessed bio-resource for research or for commercial utilisation or for bio-survey and bio-utilization.

Facilitate access to bio-resource by all stakeholders and ensuring equitable benefit sharing between users and conservers of biodiversity in a transparent manner.

### 6. Grievances Redressal Mechanism

Secretary, National Biodiversity Authority, is the designated officer for redressal of public grievances and can be addressed to:

The Secretary,  
National Biodiversity Authority,  
TICEL Bio Park  
5th Floor, CSIR Road,  
Taramani,  
Chennai - 600 113.

Phone : 044-2254 1071

Fax : 044-2254 1074

Email : secretary@nbaindia.in

### 7. Expectations from the citizens/clients

To abide by the provisions of the Biological Diversity Act, 2002 and rules made thereunder and imbibe and promote the spirit of conservation of natural resources and respect for the laws of nature and extend cooperation for carrying out the above activities by NBA and SBBs in the overall interest of human kind.

## AUDIT REPORT

### Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of National Biodiversity Authority, Chennai for the year ended 31<sup>st</sup> March 2012.

1. We have audited the attached Balance Sheet of National Biodiversity Authority, Chennai as at 31<sup>st</sup> March 2012, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with section 29 (2) of the Biological Diversity Act 2002. These financial statements are the responsibility of the National Biodiversity Authority, Chennai. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An Audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that

- i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit
- ii) The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format approved by the Ministry of Finance Govt. of India.
- iii) In our opinion, proper books of accounts and other relevant records have been maintained by the National Biodiversity Authority, Chennai as required under Section 29 of Biological Diversity Act, in so far as it appears from our examination of such books.
- iv) we further report that

#### A. Balance Sheet

#### B. Income & Expenditure Account

As against 119 agencies to whom grants amounting to Rs. 283.23 lakh were released during the year 2005-06 to 2010-11, utilization certificates (UCs) were pending against 40 agencies towards grants amounting to Rs. 77.45 lakh. Out of this, UCs amounting to Rs. 55.61 lakh against ten agencies were pending for more than three years.



### C. Grants-in-aid

An amount of Rs.1.34 crore which was unutilized during 2010-11 was revalidated and during 2011-12, NBA received an amount of Rs.8.03 crore (Rs2.53 crore was received during March 2012). Therefore total grants available for expenditure during 2011-12 was Rs.9.37 crore, (including bank interest of Rs 0.09 crore) out of which Rs.7.22 crore was utilized leaving an amount of Rs.2.15 crore as unutilized grants.

Subject to our observation in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.

In our opinion and to the best of our information and according to the explanations given to us, the said financial statement read together with the Accounting Policies and Notes on Accounts and Subject to the significant matters stated above and other matters mentioned in Annexure I, to this Separate Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the National Biodiversity Authority, Chennai as at the end of 31<sup>st</sup> March 2012.
- b. In so far as it relates Income & Expenditure Account of the surplus for the year ended on that date.

For and on behalf of the CAG of India

*Geetali Jais*

Principal Director of Audit  
(Scientific Departments)

Place: New Delhi

Date: 6-12-2012

**Annexure-I to Audit Report**

**1. Adequacy of Internal Audit System:**

System of Internal Audit was satisfactory.

**2. Adequacy of Internal Control System:**

Audit observed that Administrative Officer who was delegated with the power of Drawing and Disbursing Officer was also allowed to pass the bill and sign cheques for meeting payment. This resulted in system fraught with the risk of bills not being pre-audited by the competent authority (Accounts Officer) before bill is passed for payment.

Therefore the internal control system in NBA needed strengthening in areas of Administration and Finance.

**3. System of physical verification of fixed assets:**

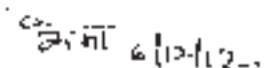
Physical verification of fixed assets was done during the year 2011-12.

**4. System of physical verification of inventory:**

Physical verification of inventory has been carried out at regular intervals.

**5. Regularity in payment of statutory dues:**

During the year, NBA paid all the statutory dues.

  
**DIRECTOR (EA)**

## List of Abbreviations used

ABS	:	Access and Benefit Sharing
BD Act	:	Biological Diversity Act
BHS	:	Biodiversity Heritage Site
BMC	:	Biodiversity Management Committee
CBD	:	Convention on Biological Diversity
CEBPOL	:	Centre for Biodiversity Policy and Law
CoP	:	Conference of the Parties
EDC	:	Eco Development Committee
FRLHT	:	Foundation for Revitalization of Local Health Traditions
GoI	:	Government of India
I-AIM	:	Institute of Ayurveda and Integrative Medicine
IBIS	:	Indian Biodiversity Information System
IISc	:	Indian Institute of Science
IPR	:	Intellectual Property Rights
MoEF	:	Ministry of Environment and Forests
NBA	:	National Biodiversity Authority
NGC	:	National Green Corps
NTC	:	Normally Traded Commodities
PBR	:	People's Biodiversity Register
PPV&FRA	:	The Protection of Plant Varieties and Farmers' Rights Authority
SBB	:	State Biodiversity Board
SHG	:	Self Help Group
TERI	:	The Energy and Resources Institute
TKDL	:	Traditional Knowledge Digital Library
TSG	:	Technical Support Group
UNDP	:	United Nations Development Programme

