

VISION PLAN

Policy frame work for the conservation of Biodiversity in Andhra Pradesh

Andhra Pradesh State Biodiversity Board:

I. Vision:

To play a pivotal role to effectively implement the Biological Diversity Act, 2002 and advise the government to facilitate the identification of biodiversity in ecosystems, landscapes, heritage sites, sacred groves, hotspots and niche areas with focus on endemic, rare, endangered, and threatened species by demarcation, protection, conservation, utilization, enhancement, research, value addition, product development, documentation, patenting, extension, and outreach of Biodiversity in the State of Andhra Pradesh aimed at the welfare of people and livestock. Developing a network of Biodiversity Management Committees, public and private academic, research, corporate, civil society and Non- governmental organizations, self-help groups, and volunteers and pass the rich biodiversity of the State to posterity.

II. Mission:

A mission approach will be adopted to realize the vision. A Biodiversity development fund will be created. The mission includes programmes and projects which will pave the way for awareness creation and conservation and rational utilization of bioresources in the State with benefits to the society in general and the people living in the biodiversity rich areas in particular as per the provisions of the Biological Diversity Act, 2002.

III. Goals:

1. Formation of Biodiversity Management Committees (BMCs) and Preparation of People's Biodiversity Registers (PBRs) at all local bodies levels viz., Zilla parishad (District Level), Mandal /Municipality Level, and Grama Panchayat level and their sensitization, awareness creation and capacity building in them to understand the value and importance of Biodiversity survival of mankind and livestock and making them partners in the process of conservation and rational utilization of the bioresources.

2. Documentation of bioresources in each local body level and steps to conserve them, access benefit sharing of tradeable bioresources and regulating the activities of the

ayurvedic and other drug manufacturers to promote their cultivation through farmers groups and individuals for income generation and sustainable development.

3. Creation of biodiversity parks and museums in different Districts, establishment of regional centres for biodiversity and state Biodiversity conservation research station for cutting edge research and innovations in biodiversity conservation and utilization. These centres will act as training and skill development centres for youth of the state in biodiversity.

4. Extension, Outreach activities: Massive publicity, awareness and out reach activities are required to be done to spread the information about Biodiversity and its conservation and potential uses for benefit of mankind.

5. Biodiversity education & Research: Establishment of certificate, Diploma, Undergraduate and Post graduate courses in Biodiversity conservation in different universities and autonomous institutions of the State and promote research and innovation, to develop educated and trained manpower/talent pool for biodiversity conservation and utilization and research for the welfare of the mankind and Livestock. Specific species recovery programmes / projects will be initiated for RET species.

IV. Creation of A. P. Biodiversity Fund as provided for in the Biological Diversity Act 2002 with the funds from Government of India/NBA and State Government and sources like Access Benefit Sharing, Corporate Social (Environment) Responsibility (CSR & CER)and Crowd funding etc., for Conservation of Biodiversity in the State of Andhra Pradesh and mitigation of impact of ill effects of climate change, on biodiversity of the State. The concept is to promote conservation of ecosystem togenes.

V. Activities: Restoration of different types of ecosystems, valuation of the ecosystem services rendered by them their enhancement. Taking long and short-term measures to conserve biodiversity in a holistic manner and species specific conservation and recovery programmes for rare, endangered and threatened species of plants, animals and microbes and their habitat and coexisting species whose presence is vital for their survival, growth and multiplication. Protection and restoration of ecosystems in a landscape approach for larger areas and localized specific areas for niche species and ecosystems and microsystems.

VI. Partnerships:

1. The vision of such magnitude cannot be accomplished with the involvement and active participation of the different stakeholders who depend on the biodiversity for different purposes. The entire population of the State is connected in some way or other to the biodiversity in the state for food, clothing, housing, medicines, employment, education, recreation, and economic development and survival itself.
2. The different categories of stakeholders to be made partners in the biodiversity conservation in Andhra Pradesh include farmers, cultivators, traders of biological resources, academicians, school teachers, college and university teachers, researchers, Ayurvedic, homeopathic, unani, sidhha, naturopathy doctors, practitioners, students of universities, colleges, schools with adequate level of awareness and commitment, social workers, barefoot botanists, local and traditional healers/vaidyas, activists, medicinal plants cultivators, nature lovers, wild-lifers, enthusiasts, gardeners, nursery growers, representatives of fishermen, horticulturists, foresters, tree growers, non-governmental organizations, voluntary organizations, national/international funding agencies, corporate entities, industrial units, educational institutions government departments and functionaries, etc.,
3. A.P. State Biodiversity Board is the nodal agency for implementation of the Biodiversity Conservation Act 2002 and it will develop a network of partners/collaborators and associates to implement the vision of the board. An online platform to register the partners is has been created and is available for the various individuals and organizations for registration. Once registered, they become partners in implementing the mandate of the board. The partnerships can be of different types.

VII. Working or knowledge partners:

1. They will be sharing the work of the board namely formation / upgradation / capacity building of the Biodiversity management Committees (BMCs) and preparation and updation of PBRs.
2. The work partners will be preparing the People's Biodiversity Registers (PBRs) by interacting, educating and involving the BMCs and documenting the biological resources available and used and under used or over used and suggest ways and means to conserve the resources and lead to sustainable use and development.

3. The working or Knowledge partners will be involved in the capacity building exercises for BMCs and other stakeholders in their specific geographical areas and domains having experience and expertise.
4. The working or Knowledge Partners will prepare conservation and development programmes/projects and associate with APSBB in implementation of them.
5. The working or Knowledge Partners will Organize and/or participate in the workshops/ seminars/ conferences organized by the APSBB in furtherance of the mandate of the board at various places in the State on the range of subject/topics of concern to the board and local people.
6. The working or Knowledge Partners will plan/ programme and conduct educational, outreach, extension, publicity and awareness programmes/projects for spreading the knowledge and skills on conservation of biodiversity in the state of Andhra Pradesh to all the stakeholders.
7. The working or Knowledge Partners will be interacting with the BMCs and general public in the target areas identified for biodiversity conservation activities and act as an interface between the board and the people.
8. Any other programme/project/activity not covered above on merits.

VIII. Financial partners:

1. Some of the individuals or organizations having access to funds through national or international funders/donors/entities etc., for certain biodiversity conservation and development activities are welcome to join hands with APSBB as financial partners and they will be authorized to implement them as a partners of the APSBB. The activities may include Bioprospecting, assessment of status of biodiversity in certain identified hotspots, documentation and publication on bioresources in a given area, district, mandal, village or sacred grove etc., and capacity building and handholding services to the BMCs and other groups which may be involved in the conservation of biodiversity in the State.
2. The individuals/organizations may act as a facilitating partner to APSBB in mobilizing financial resources for implementing the biodiversity conservation and development programmes in the State of Andhra Pradesh. The implementation of the programmes/projects will be done by the Board with or without collaborators.

3. The individuals/ organizations with some financial resources may join hands with APSBB on profit-sharing basis if they can invest in programmes/projects for conservation, development, research, value addition and commercialization of tradeable bioresources in Andhra Pradesh.
4. Individuals/organizations can partner with APSBB in development/implementation of technologies/innovative solutions to the problems related to biodiversity conservation in Andhra Pradesh.
5. Individuals/organizations with some physical resources / infrastructure/machinery can come forward to partner with APSBB to conduct training/awareness/capacity building programmes/projects/events for the BMCs/elected representatives/practitioners of AYUSH systems/ manufacturers/cultivators/students/local vaidyas/barefoot botanists/ cattle herdsman /shepherds etc., on various biodiversity related topics for knowledge, conservation and or entrepreneurship development.
6. Any other programme/project/activity on merits.

IX. Partner Registration: Through APSBB web Portal

1. Registration of Partnership option form by organizations/individual governmental /Private/Non- Governmental.
2. Practitioners of Ayurveda /Homeopathy, Unani, Sidhha drug manufacturers, Traditional Vaidyas etc., cultivators of medicinal plants, Tree farmers, herbal plants/gardens etc.,
3. Academic institution: University faculty, Post Docs, College lecturers, degree and junior colleges, School teachers in Botany, zoology, Ayurveda, naturopathy, Homeopathy, Sidhha, Unani, veterinary, agriculture, Horticulture, fisheries, forestry, Life sciences, geography, Geographic information Systems, Sociology, anthropology, Sanskrit, Telugu, Traditional Knowledge, culture and history etc.,

4. Non Academic: Non-Governmental Organizations/ Voluntary organizations: involved in Social Service/ Tree planting/ cultivation of medicinal plants/ conservation/promotion of Biodiversity/ awareness creation/ outreach activities/ seed banks / germplasm conservation/artificial breeding/organic farming practices/ biological fertilizers/pesticides/ biological control of pests and diseases.
5. Research Organizations: Government/ Private

X.

1. Establishment of District level coordinating teams to assist District/Zilla Parishad level BMC:

- a) District coordinator (DC) for forestry, Wildlife and Biological sciences
- b) DC for Agricultural and Horticulture
- c) DC for Animal husbandry & Fisheries
- d) DC for Social Mobilization and culture

2. Establishment of Mandal level coordinating teams to assist Mandal level BMC:

- a) Mandal Coordinator (MC) for forestry, Wildlife & biological sciences
- b) MC for Agricultural and Horticulture
- c) MC for Animal husbandry & Fisheries
- d) MC for Social Mobilization and culture

3. Grama panchayat Level Coordinating team to assist Biodiversity Management Committee:

Volunteers at GP Level

- a) GP Level coordinator for forestry & Wildlife
- b) GP Level coordinator for animal Husbandry /Fisheries
- c) GP Level coordinator for agriculture/ Horticulture
- d) GP Level coordinator for Social mobilization / NGO

XI. Biodiversity Perspective Plan: In order to work towards the Vision of the Andhra Pradesh State Biodiversity Board, a perspective plan for five years is proposed with an outlay of 75 Crores with the following components:

1. Creation of Biodiversity Parks and Environmental Education Centres:

It is proposed to establish Biodiversity Parks and Environmental Centres in 13 Districts of the State at a cost of Rs 1.5 Cr per each with an estimated outlay of Rs 20 Crores. They will be located in the District headquarters or at any other appropriate location for creating awareness and disseminating the information about the Biodiversity and the importance of conservation for the welfare of people and livestock.

2. Regional Biodiversity Museums with herbarium:

It is proposed to establish three regional Biodiversity Museums with a herbarium (digital and Physical) at an estimated cost of Rs 2.0 crores each and an estimate outlay of Rs 6.0 Crores. They are proposed in the North costal Andhra (Vizianagaram), Rayalaseema (Tirupathi) and central districts (Kakinada) of the State to create awareness and preserve the rich biodiversity and culture in the three regions and create awareness and opportunities for research and documentation.

3. Identification and protection of Biodiversity heritage sites/sacred grooves/Hot spots:

It is proposed to identify establish Biodiversity Heritage sites and Hot spots at the rate of 10 numbers per District at an estimated cost of Rs.20 Lakhs each and with an estimated outlay of 26.00 Cr.

4. Massive awareness campaign through Jeeva-Vaividhya Chaitanya Radhamulu:


It is proposed to spread the message of value and importance of Biodiversity and the need for its conservation through fully equipped Jeeva Vaividya rathamulu with audio and visual aids and a mini exhibition material to visit the schools/colleges/universities and especially the tribal and rural areas in the state. It is proposed to prepare Jeeva Vaividya Chaitanya Rathamulu at an estimated cost of Rs. 50 lakhs per unit and estimated outlay of Rs. 13.00 Crores.

5. State Biodiversity Conservation Research Station:

It is proposed to establish a state-of-the-art Biodiversity Conservation Research station in the State in Rayalaseema (Pulivendula in Kadapa district) to promote research and development in Biodiversity with branches for forestry & wildlife, ecology and climate change, agriculture, animal husbandry, fisheries and microbiology etc.

Andhra Pradesh State Biodiversity Perspective Plan

S.No.	Activity	Unit cost Rs in Crores	Financial Years						Total No.of units	Total out lay Rs.in Crores
			2020-2021		2021-2022		2022-2023			
			No. of Units	Outlay	No. of Units	Outlay	No. of Units	Outlay		
1.	Creation of Biodiversity Parks and Environmental Education Centres:	1.6	3	4.8	5	8.00	5	8.00	13	20.80
2.	Regional Biodiversity Museums with herbarium	2.0	1	2.00	1	2.00	1	2.00	3	06
3.	Identification and protection of Biodiversity heritage sites/sacred grooves/Hot spots @ 10 per District	0.20	30	6.00	48	9.60	48	9.60	126	25.20
4.	Massive awareness campaign through Jeeva-Vaividhya Chaitanya Radhamulu	0.50	6	3.00	10	5.00	10	5.00	26	13
5	State Biodiversity Research Station	10	1	4.50	1	5.50	00	00	1	10
Total			41	20.30	65	30.10	65	24.60	170	75.00 Crores


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