



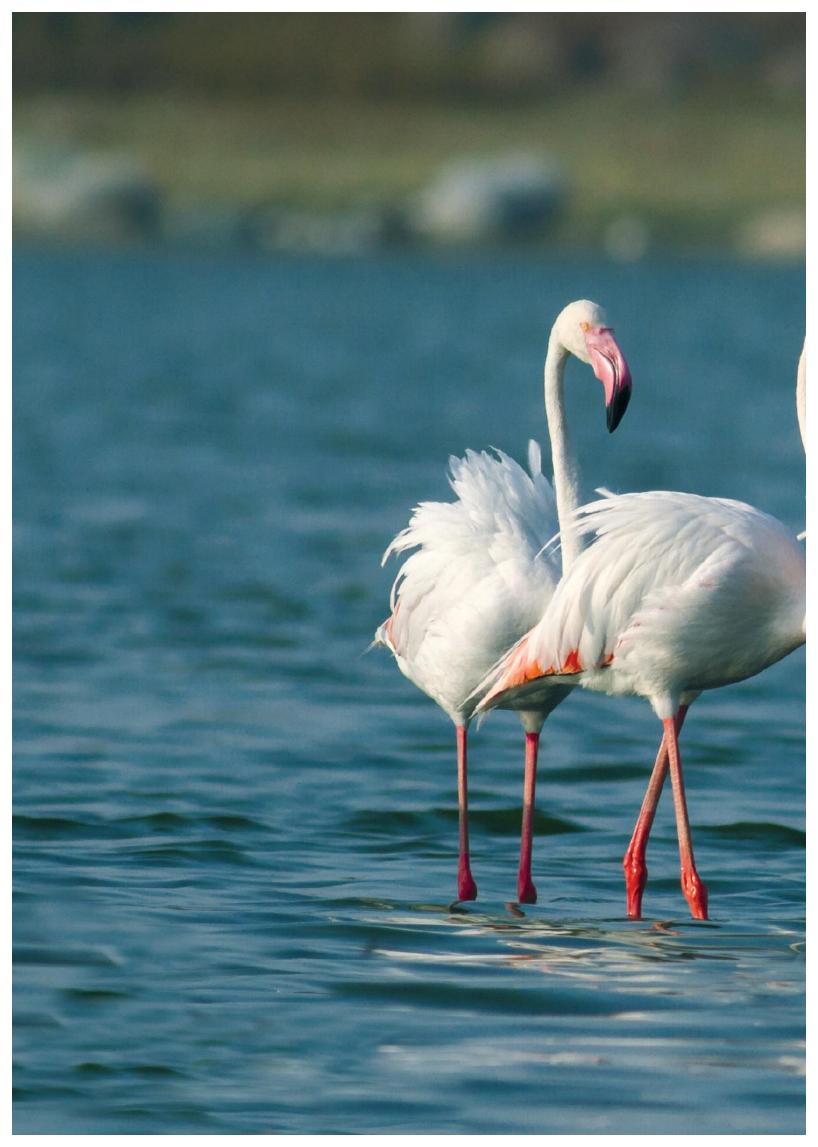


# TELANGANA STATE BIODIVERSITY BOARD

# ANNUAL REPORT 2015-2016



6<sup>th</sup> Floor, Chandravihar Complex, M.J. Road, Nampally, Hyderabad – 500 001. Telangana State, India.



# CONTENTS

5.NU		Subject	Page No.
	Executive S	Gummary	8
2.	Introductio		10
3.	Functioning	g of Telangana State Biodiversity Board (TSBDB)	12
	3. 1.	Constitution of Telangana State Biodiversity Board	
	3. 2.	Notification of Telangana State Biological Diversity Rules, 2015.	
	3. 3.	Constitution of Expert Committees	
4.	Various Act	tivities taken up by TSBDB	14
	4. 1.	Constitution of Biodiversity Management Committees	
	4. 2.	Establishment of Local Biodiversity Fund (LBF)	
	4. 3.	Constitution of Technical Support Group for preparation of PBRs	
	4. 4.	Constitution of Techno Legal Advisory Group (TLAG)	
	4. 5.	Preparation of database on tradable Bioresources of	
		Telangana state	
	4. 6.	Preparing check list of RET species of Telangana state	
	4. 7.	Registration of Farmer varieties under Protection of Plant	
		s & Farmers' Rights Authority, India (PPVFRA).	
	4. 8.	Focus group meetings on Access and Benefit Sharing	3
		provisions to various stakeholders of the State	
	4. 9.	Capacity building and training programs	
	4. 10.	Peer to Peer Learning Programs	
	4. 11.	Celebration of International Day for Biological Diversity	
	4 10	22 <sup>nd</sup> May, 2015	
	4. 12.	Identification & Declaration of Ameenpur lake as	
Proje	oto	Biodiversity Heritage Site (BHS)	25
rioje	4. 13.	UNEP-GEF-MoEF&CC-ABS Project	23
	т. 10.	Piloting Access and Benefit Sharing Agreements	
		Consultation meetings with Biodiversity Management	
		Committees	
	4. 14.	DST project	31
		Biodiversity Conservation & Documentation through	
		integration of rain water harvesting with fish genetic	
		resources for livelihood security	
	4. 15.	Research Project	32
	4. 16.	UNDP India Biodiversity Award 2016 for Succesful ABS Mechanism	n 34
	4. 17.	Other Activities	36
	4. 18.	Publications	40
	4. 19	Audit Reports	42
5.	Annexure		
	5.1	Constitution of Telangana State Biodiversity Board	45
	5.2	Telangana State Biological Diversity Rules, 2015	46
	5.3	Members of Expert Committees of Telangana State	47
		Biodiversity Board	
	5.4	List of abbreviations	50
	5. 5	Paper Clippings	51





Shri. Jogu Ramanna Honorable Minister for Environment, Forests, Science & Technology and BC Welfare. Government of Telangana

## **MESSAGE**

Forests play a vital role in conserving not only the forest species & wildlife related biodiversity but agro-biodiversity, fish biodiversity and animal biodiversity since the ecosystems are very closely interlinked in nature. The state-centered protection area approach is based on the traditional belief that biodiversity protection is the responsibility of the state. In fact, land or resource users (farmers) or other stakeholders do care for the biodiversity as their livelihoods are largely dependent on the Biodiversity. They collect wild foods, medicinal plants and other resources from the forest and they also carry forward numerous land races and farm races of agricultural crops for generations together. Mannanur cattle of Mahaboobnagar district is an example how local communities preserved the germ plasm through specialized breeding strategy.

Hence, I entirely agree that participatory systems of adaptive management to protect earth's heritage of biodiversity is the key to the long term conservation of biodiversity. We need new patterns of partnership in management of biodiversity based on a commitment to the generations yet to be born. Telangana State Biodiversity Board (TSBDB) has adopted right approaches by involving relevant line departments like agriculture, fisheries, forest, and animal husbandry, academic institutions and research organizations, which is reflected in various activities taken up at policy, research and field levels by TSBDB. Similarly, local communities and relevant civil society organizations are also involved in all these efforts to make the activities participatory and effective. Even media is better aware of biodiversity interface today. In the above context, I appreciate the efforts of TSBDB in taking up several fruitful activities in spite of being the youngest State Biodiversity Board in the country and in spite of facing certain constraints. I would like to congratulate TSBDB for bringing out this annual report for creating more awareness on the subject.

Shri. Jogu Ramanna

Minister for Environment, Forests, Science & Technology and BC Welfare.

Government of Telangana



**Dr. Rajiv Sharma** IAS
Chief Secretary, Government of Telangana &
Chairman, Telangana State Biodiversity Board
Hyderabad

## **FOREWORD**

The Earth's biological resources are vital to humanity's economic and social development. As a result, there is a growing recognition that biological diversity is a global asset of tremendous value to the present and future generations. At the same time, the threat to species and ecosystems has never been as great as it is today.

Keeping the above in mind, the Government of India enacted the Biological Diversity Act, 2002 to fulfill its obligations as a contracting party to the Convention on Biological Diversity (CBD). The Telangana State Biodiversity Board (TSBDB) Rules were framed in 2015 and TSBDB has taken up several key activities to fulfill the mandated objectives; documentation of RET (Rare, Endangered and Threatened Species), constitution of BMCs (Biodiversity Management Committees), preparation of PBRs (Peoples' Biodiversity Registers), documentation of Tradable bio-resources, taking up research projects, awareness programs and campaigns. The year 2015-16 also has been very fruitful year for TSBDB in the context that a case study facilitated and developed by TSBDB has won UNDP Biodiversity award at national level.

I am thankful to the National Biodiversity Authority for fund assistance & guidance and also the Members of TSBDB & Expert committees for their efforts and time in achieving the objectives of the Act and the TSBDB Rules. I wish to place on record appreciation for the Member Secretary and the staff of TSBDB for laying a strong foundation to the biodiversity subject in Telangana and also for bringing out this comprehensive Annual Report. I sincerely hope that this publication would provide a glimpse of the activities carried out during the year 2015-16 by TSBDB.

Dr. Rajiv Sharma IAS,

Chief Secretary, Government of Telangana & Chairman, Telangana State Biodiversity Board



**Sri B. R. Meena, IAS**Principal Secretary, EFS&T Department,
Government of Telangana

### **PREFACE**

Biological diversity—or biodiversity—is the term given to the variety of life on Earth, including plants, animals and micro-organisms, as well as the ecosystems of which they are part. Biodiversity includes genetic differences within species, the diversity of species and the variety of ecosystems. India is one of the recognized mega-diverse countries of the world, harbouring nearly 7-8% of the recorded species of the world, and representing 4 of the 34 globally identified biodiversity hotspots.

India hosted COP-11 organized by CBD (Convention on Biological Diversity) in Hyderabad from 1-19 October 2012 to strengthen institutional mechanisms, enhance the technical and human capabilities for biodiversity conservation in India, and to promote similar capacity-building in other developing countries. A biodiversity park was established at Hyderabad with a monumental biodiversity pylon structure and commemorative plantation which succeeded in bringing the international community's attention to the efforts of India in this sector.

Telangana as the newest state of India hosts a variety of flora and fauna and contributes to the rich biodiversity of India. Hence, Government of Telangana took various measures in fulfilling the objectives of National Biological Diversity Act, 2002, by establishing the Telangana State Biodiversity Board (TSBDB) in 2014, framing TSBDB Rules and 2015 and by placing required official machinery to run TSBDB effectively. I am happy to say that TSBDB has already started gaining appreciation at national level by putting in place effective ABS (Access Benefit Sharing) mechanism which resulted in winning UNDP India biodiversity award for 2015-16. I am glad that TSBDB has brought out this annual report to share the activities taken up the Board and I wish TSBDB good luck in their efforts.

Sri B. R. Meena, IAS,

Principal Secretary, EFS&T Department, Government of Telangana



**Dr. C. Suvarna, IFS**Member Secretary,
Telangana State Biodiversity Board,
Hyderabad.

## **ACKNOWLEDGMENTS**

Annual report of the Telangana State Biodiversity Board (TSBDB) for the year 2015-16 has been brought out as per provisions of the section 33 of the Biological Diversity Act, 2002 to compile various activities carried out by the TSBDB besides giving a glimpse of the achievements with respect to the implementation of the National Biological Diversity Act, 2002 and TSBDB Rules, 2015.

I sincerely thank Shri Rajiv Sharma, IAS, Chief Secretary, Government of Telangana & Chairman, TSBDB for his valuable advice and continued support in all our endeavors without which we could not have achieved the set goals in an effective manner. I also thank Shri Rajeshwar Tiwari, IAS, the then Principal Secretary, EFS &T, Shri Vikas Raj, IAS, the then Secretary, EFS &T for the constant support provided by them at the government level in bringing out the Rules and guidelines.

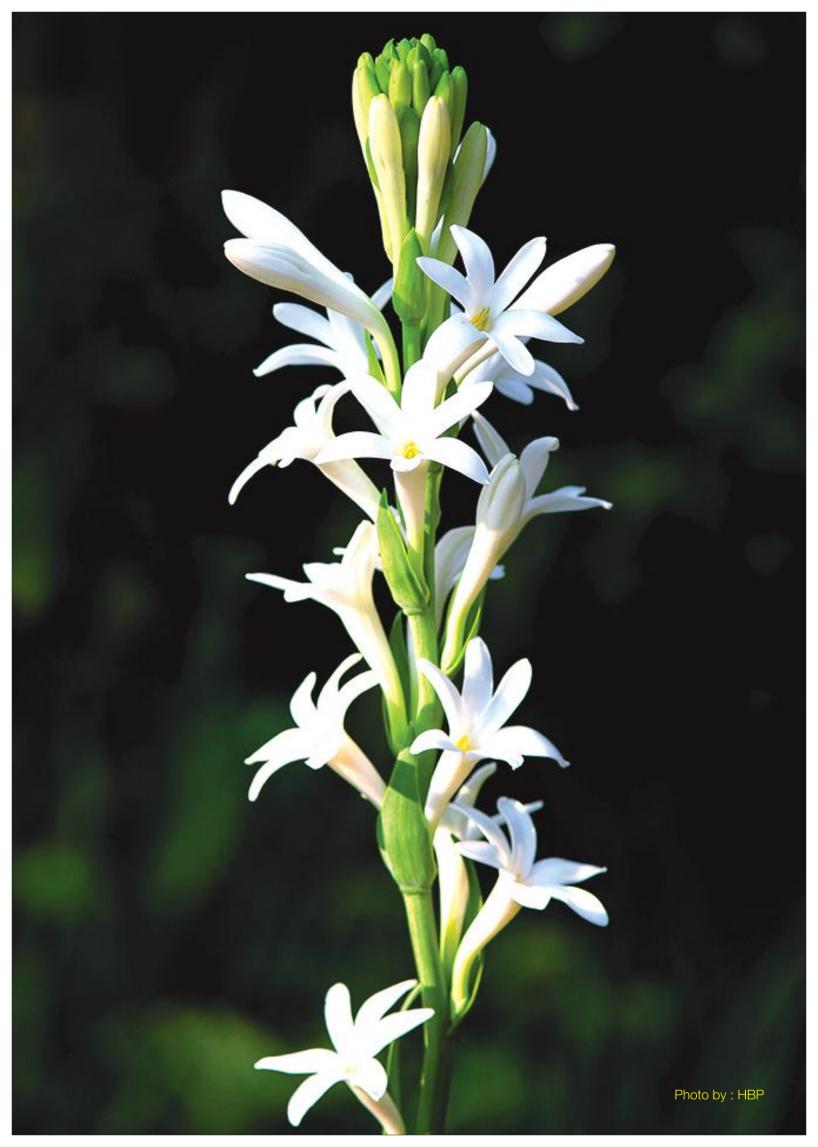
I specifically thank Shri B.R. Meena, IAS, Principal Secretary, EFS &T for giving an inspiring message and giving the encouragement in bringing out this document.

I express my deepest gratitude to the National Biodiversity Authority for the continued guidance, support and fund assistance extended during 2015-16 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 TSBDB and Expert Committee members for having offered invaluable assistance, support, time and guidance in furthering the activities of the TSBDB.

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

**Dr. C. Suvarna,** IFS, Member Secretary Telangana State Biodiversity Board



## 1. EXECUTIVE SUMMARY

The genes, species and ecosystems that comprise biological diversity provide resources and services that are essential to mankind. All sectors of world society affect this diversity to a greater or lesser extent, whether through direct exploitation of resources or the indirect impact of other activities. Different cultures and societies use, value, and protect these resources and services in a variety of ways. Their capacity to manage and benefit from biological diversity also varies considerably, because of location, state of development and differential access to the information and technology needed.

Human activity over the last ten thousand years has increased genetic diversity of domesticated crops and livestock. However, human activity has also reduced the abundance and distribution of species, resulting in loss of genetic diversity or genetic erosion. Modern biotechnology, in particular genetic engineering, offers the promise of benefits to human societies, but also poses potential risks to biological diversity

To date, around 1.75 million species have been described and formally named, but there are good grounds for believing that many million more species exist that remain undiscovered. Although estimates of the total number of species vary widely, a working estimate is around 14 million species.

Species are not evenly distributed over the planet and the single most obvious pattern in global biodiversity is that overall species richness tends to increase towards the equator. Every species will become extinct at some point; virtually all species that have existed are extinct. In geological time, origination of species has proceeded at a higher rate than extinction of species, i.e. biodiversity has increased. However, in recent times, the known rate of extinction among the mammals and birds is far higher than the estimated average rate through geological time. It is possible to estimate the relative risk of extinction among recent species on the basis of demography and distribution. All mammals and birds have been assessed for extinction risk: 24% of mammal species and 12% of birds are considered globally threatened.

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 Biological Diversity Act, 2002 and notified the relevant Rules, 2004 accordingly the Government of Telangana State has notified the state specific Rules "Telangana State Biological Diversity Rules, 2015.

The present report comprehensively deals with the activities undertaken and achievements made during the year 2015-16 by the TSBDB.

Source: CBD



# 2. INTRODUCTION

### Vision, Mission, Objectives and functions

#### **Telangana State Biodiversity Board**

The Telangana State Biodiversity Board is a statutory and autonomous body constituted by the Government under the provisions of Biological Diversity Act 2002 (Central Act). The Telangana State Biodiversity Board consists of a Chairman, Member Secretary, 4 ex-officio members and 5 expert members appointed by the State Government. The Member Secretary, Telangana State Biodiversity Board, Hyderabad is the convener of the Board meetings as well as the Expert Committee meetings.

#### **Key objectives**

- Conservation of Biological Diversity.
- Sustainable utilization of the Biological Diversity.
- Fair and equitable sharing of the benefits arising out of the utilization of genetic resources

#### **Functions of Telangana State Biodiversity Board**

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



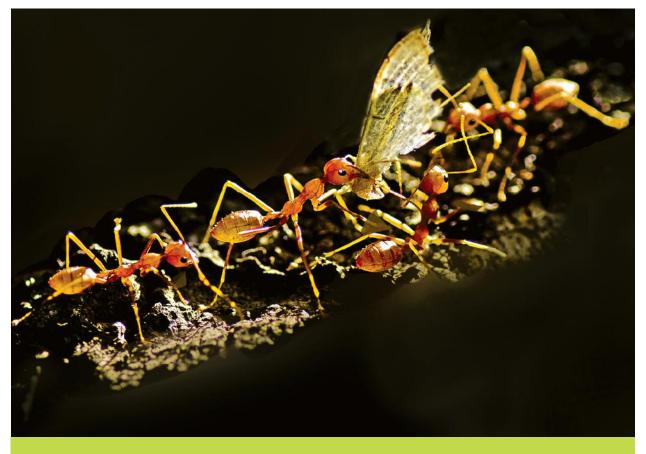


Photo by: Ravi Argi

Ants Team Work

# **OUR VISION**

- ❖ To facilitate the constitution of biodiversity management committees at local body level.
- ❖ To facilitate preparation of people's biodiversity registers in the areas of potential bioresources.
- ❖ To develop district biodiversity parks depicting forest, agriculture, wetland ecosystems for conservation, education & recreation.
- ❖ To identify biodiversity heritage sites for notification.
- To create Telangana biodiversity information system.
- To take up capacity building, training and awareness programs about the provisions of the biodiversity Act & Rules.
- ❖ To identify and conserve distinct, endemic land-races, breeds and other flora & fauna.
- To revive & promote traditionally cultivated crop varieties in different agro-climatic zones.
- ❖ To advise the government on water harvesting, tree planting, organic farming, urban greening and preparation of city biodiversity index.

#### 3. FUNCTIONING OF TELANGANA STATE BIODIVERSITY BOARD

#### 3.1 Constitution of Telangana State Biodiversity Board

The Telangana State Biodiversity Board has been established by Government of Telangana vide G.O.Ms.No.21, EFS&T Department dated 25.10.2014, under the powers granted to it by Section 22(1) of the Biological Diversity Act, 2002 (Act 18 of 2003).

#### 3.1 Notification of Telangana State Biological Diversity Rules, 2015

Telangana State Biological Diversity Rules, 2015' notified by Government of Telangana vide G.O.MS.No. 23. EFS&T Department dated 14-05-2015 under section 63(1) of the Biological Diversity Act, 2002 (Central Act No.18 of 2003).

#### 3.3 Constitution of Expert Committees

The Government of Telangana State nominated provisionally eight (8) expert Committees 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:

- Wildlife Conservation and Protection Committee
- Animal and Fish Biodiversity Committee
- Agri-Biodiversity Committee
- Declaration of Biological Heritage Sites Committee
- Legal matters relating to Intellectual Property Rights (IPR) Committee.
- Traditional knowledge associated with Medicinal Plants, Conservation and Bio prospecting Committee.
- Expert Committee on Access Benefit Sharing (ABS).
- Awareness and Capacity Building Committee



The five Expert Committee Meetings were held on Agriculture biodiversity, Identification & declaration of Biodiversity Heritage Sites, Fish & Animal Biodiversity, Traditional Knowledge associated with medicinal plants, conservation & Bio-prospecting and Awareness and capacity building.

The Expert Committee members deliberated on the following issues for consideration of the Board and action taken by the TSBDB.

- Preparation of checklist of RET species, wild varieties, non descriptive indigenous livestock, fish diversity, native dog species, comprehensive Ayurveda & alternative companies, traders and those who are using Bioresources for commercial purpose.
- Conservation of indigenous threatened species, promotion of contract farming of medicinal plants, identify the fragile ecosystems for BHS like Ameenpur lake, State Heritage trees like Pillalamarri Maanu, Baobab tree, Tamarind, etc.
- Creating awareness on Act, IPR &TK, ABS mechanism by involving all stakeholders like BSI, ZSI, line departments, Universities, Scientific and Research Institutions (CSIR & ICAR), NGOs. Also incorporate the Biodiversity subject in UG and PG courses, Research Institutions curriculums, etc.







#### 4. VARIOUS ACTIVITIES TAKEN UP BY TSBDB

The Telangana State Biodiversity Board organized various events like seminars, exhibitions, campaigns, 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.

#### 4.1 Constitution of Biodiversity Management Committees

As per Sec 41 of the Biological Diversity Act 2002 and Telangana State Biological Diversity Rules 2015, every local body shall constitute a Biodiversity Management Committee (BMC) within its area for the purpose of promoting conservation of biological diversity.

#### **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 ranting approval, to maintain data about the local vaids and practitioners using the biological resources.

The Telangana State Biodiversity Board had constituted 787 BMCs up to 31-03-2016. Thus totally 1116 BMCs have been constituted in Telangana. The district wise details are hereunder.

#### Constitution of BMCs from 01.03.2015 to 31.03.2016

S.No	District	GP	Mandal	Municipality	ZP	Total
1	Adilabad	75	-	-	1	76
2	Karimnagar	61	2	1	-	64
3	Khammam	134	-	1	-	135
4	Warangal	73	1	1	-	75
5	Medak	70	-	-	-	70
6	Ranga Reddy	44	-	-	1	45
7	Mahabubnagar	141	3	-	1	145
8	Nalgonda	98	1	1	-	100
9	Nizamabad	72	4	1	-	77
	Total	768	11	5	3	787

The Board organized 787 awareness programs at Grampanchayat level for constitution of Biodiversity Management Committees and briefed about the roles and responsibilities of the BMCs. Also organized three awareness programs at district level like Nagarkurnool, Mahaboobnagar District Adilabad involving more than 20 Grampanchayats and organized 8 state level training programs to the BMC members of 9 districts of Telangana State.

The Chairpersons and Member Secretaries of various BMCs attended the training programs on Access and Benefit Sharing, preparation of People's Biodiversity Registers, and other meetings.





#### 4.2 Establishment of Local Biodiversity Fund (LBF)

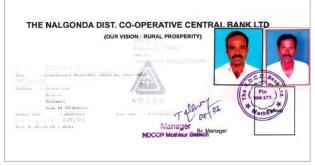
As per the Section 42 of the Biological Diversity Act, 2002 & Rule 23 of the Telangana State Biological Diversity Rules, 2015 and as per Rule 1.6 of Guidelines for operationalization of BMCs, Each State Biodiversity Board shall arrive at a realistic number of BMCs to be established in the state based on biodiversity rich areas and socially conscious areas.

With the National Biodiversity Authority's financial Assistance and UNEP-GEF-MoEF&CC-ABS project funding, the TSBDB established LBF in 208 Gramapanchayats. The fund was utilised for conducting awareness programmes at village level, purchasing of office furniture (table, chairs, almyrah.etc) resolution book, opening of bank accounts, preparation of letterhead, BMC stamp, BMC display board taking up plantation and biodiversity related activities, etc.









The Board organized two state level training programs on proper utilization of Local Biodiversity Fund for the Chairpersons and Member Secretaries of Biodiversity Management Committees at Hyderabad.

#### 4.3. Constitution of Technical Support Group for preparation of PBRs:

As per Section 22 (9) of the Biological Diversity Act 2002, the NBA and the State Biodiversity Boards shall provide guidance and technical support to the BMCs for preparing People's Biodiversity Registers (PBRs).

Accordingly, TSBDB constituted 18 Technical Support Groups (TSGs) to support BMCs for preparation of PBRs duly facilitated by BMCs with the financial support of NBA in the 60 selected BMC areas at gram panchayat level. The Board organized 4 training programs for the TSG members on PBR preparation. The Board released an amount of Rs.1, 00,000/(Rupees one lakh only) to each BMC (of 50 BMCs) in 3 installments, payable towards the cost of preparation of each PBR. This amount was paid to the agency through the BMC concerned. Totally 50 PBRs were prepared by these TSGs.





#### 4.4 Constitution of Techno Legal Advisory Group (TLAG)

The TSBDB under UNEP-GEF-MoEF&CC-ABS Project constituted TLAG for reviewing of the applications received from industries by the Board for access to biological resources for commercial purpose as per the Section-7 of the Biological Diversity Act, 2002 & Rule 16 of the Telangana State Biological Diversity Rules, 2015, TLAG and three TLAG meetings held so far.

The TLAG members deliberated on the following issues for consideration of the Board and action taken by the TSBDB.

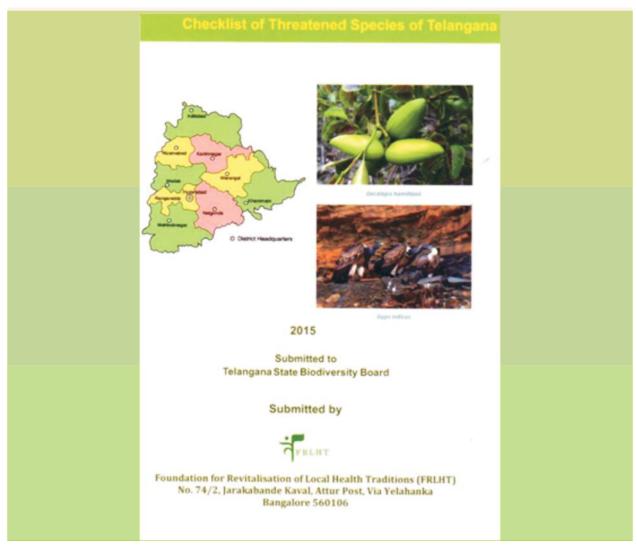
- Preparation of database on commercial bioresources based industries (ayurveda, unani, cosmetics, nutraceuticals, biotech, pharma, bio-fertilizer, seed industries, traders, exporters, etc), tradable bioresources of the state.
- Identification of agro-climatic zones, biodiversity rich areas, potential biological resources for ABS, sustainable utilization of biological resources.
- Creation of awareness among the other regulatory bodies like AYUSH (registering the Ayurveda products), Directorate of Agriculture (Registering seed lines/variety), etc.
- Involvement of NBPGR, PPVFRA, BSI, ZSI, NBAIR, Plant quarantine and other departments concerned for successful implementation of the Act.

# 4.5. Preparation of database on tradable bioresources along with their Economic Valuation and associated traditional knowledge of Telangana State

The TSBDB under UNEP-GEF-MoEF & CC-ABS Project as documenting tradable bioresources along with their economic valuation and associated traditional knowledge of Telangana State. The agencies and experts from Universities documenting the data on lists of bio-resources which are under trade and listing of bio-resources based industries which are using biological resources for commercial purpose. The Board organised 3 training programs for the agencies regarding documentation of TBR database.

#### 4.6. Preparation of check list of RET species of Telangana State

A check list of Rare, Endangered & Threatened (RET) species of Telangana (plants, animals, microbes, insects, etc) was prepared based on the available secondary data, technical reports and published literature pertaining to Telangana State with the help of FRLHT (Foundation for Revitalization of Local Health Traditions), Bangalore. Series of consultations were held by FRLHT with various research organizations and experts in arriving at the relevant information which was shared with experts in two state level meetings facilitated by TSBDB. The database was submitted to the Government of India through Government of Telangana for issuing notification on RET Species of Telangana State.







# 4.7. Registration of Farmer's varieties under Protection of Plant Varieties & Farmer's Rights Authority, India (PPVFRA).

In order to provide for the establishment of an effective system for protection of plant varieties, the rights of farmers and plant breeders and to encourage the development of new varieties of plants it has been considered necessary to recognize and protect the rights of the farmers in respect of their contribution made at any time in conserving, improving and making available plant genetic resources for the development of the new plant varieties. Moreover, to accelerate agricultural development, it is necessary to protect plants breeders' rights to stimulate investment for research and development for the development of new plant varieties.

Such protection is likely to facilitate the growth of the seed industry which will ensure the availability of high quality seeds and planting material to the farmers. India having ratified the Agreement on Trade Related Aspects of the Intellectual Property Rights has to make provision for giving effect to Agreement. To give effect to the aforesaid objectives the Protection of Plant Varieties and Farmers' Rights Act, 2001 has been enacted in India.

The farmer's varieties Pigeon pea (Erra machala kandulu) (Cajanus cajan) on the name of BMC Modi (Jheri), Kerameri (Mandal), Sorghum species Pelala jonna on the name of Gourapur BMC, Indervelly (Mandal), Vayunowka jonna on the name of Goagoan BMC, Kerameri (Mandal) from Adilabad District were registered under Protection of Plant Varieties & Farmers' Rights Authority, India (PPVFRA), and another variety of green gram "Balinta Pesalu" is in process of registration. These activities are being taken up in collaboration with National Bureau of Plant Genetic Resources (NBPGR), Regional Station, Hyderabad. These varieties are essentially farm races/landraces.

Pigeon Pea (Erra machala kandulu)











Vayunowka Jonna

#### 4.8. Focus Group Meetings

The TSBDB under UNEP-GEF-MoEF&CC-ABS project organized 5 focus Group meetings among the Research Institutions (ICAR&CSIR), Biotech, Pharma, Ayurveda industries, line departments and other stakeholders on Biological Diversity Act, 2002 with focus on its Access and Benefit Sharing Mechanism

#### 4.9. Capacity building and training programs

The Board conducted 45 training cum awareness programs and created awareness on Biodiversity, Act and Rules, preparation of PBRs, constitution of BMCs for various stakeholders like Indian Council of Agriculture Research (ICAR), Council of Industrial Research (CSIR), Universities, Colleges, line departments, traders, Biotech, ayurvedic & biopesticide companies, healers, villagers and Biodiversity Management Committee chairpersons/ members, District Biodiversity Coordinators (DBCs) and other agencies. About 13,750 people participated in the above meetings & interactions.





#### 4.10. Peer to Peer Learning Programs

To provide capacity building to the Chairman and Members of the BMCs which are formed at GP/Mandal Parishad/Municipal levels, so far five peer to peer learning / exchange visits and interaction with experts/conservers/ institutions/ exporters and importers of Bio resources programs have been arranged. The Chairman and Members of the BMCs have visited Pinakota and Valasi BMCs of Vishakhapatnam Dist in Andhra Pradesh, Kerameri BMC of Adilabad Dist in Telangana State & Kerala State Biodiversity Board, Trivandrum, to understand the best practices regarding BMC constitutions, ABS provisions, preparation of People's Biodiversity Registers, sustainable utilization of Biological Resources, documentation of traditional knowledge related to biological resources, identification of tradable bioresources, utilization of Local biodiversity Fund by the BMCs, establishment of Biodiversity Clubs, Medicinal parks, etc. The Board trained more than 100 BMC members on the above themes.







#### 4.11. Celebration of International Day for Biological Diversity 22<sup>nd</sup> May, 2015

Telangana State Biodiversity Board celebrated its first "International Day for Biological Diversity" on 22<sup>nd</sup> May, 2015 and conducted "Nature Writers" workshop for the school children who participated from various schools (Private & Govt) from 10 districts of Telangana. Digital photography contest was also conducted on "Insect Diversity" of Telangana State. The received more than 250 photographs from various participants from all over Telangana. The Chief Guest Sri. Jogu Ramanna, Hon'ble Minister for EFS& T Dept and BC Welfare, Government of Telangana unveiled the Logo of TSBDB and launched the website of TSBDB during the event.





Logo description: Telangana State Biodiversity Board logo comprises of symbol and the name in a fixed relation with each other. One without the other is incomplete in depicting the true nature and meaning of the organization.

The design concept is drawn from the nature of the organization's activities. The symbol is circular, representing global nature of Telangana State Biodiversity Board, while

simultaneously standing for the representation of the earth, from where our biodiversity existence originates. The colours and symbols have been carefully selected.

Green and Blue colours dominate the logo. These are life colours representing water, air and vegetation. The symbol is encircled by a golden sheath denoting the richness of Telangana in her natural resources and culture.

One third of the logo is dedicated for aqua based diversity. State Bird; Coracias benghalensis (Indian roller / Palapitta), State animal; Axis axis (spotted deer / Jinka), State tree; Prosopis cinneraia (Jammichettu), and State flower: Cassia auriculata (Tangedu) are presented in graphical form along with the graceful Tiger (Telangana has two Tiger Reserves). Agricultural biodiversity is reflected in graphical form of a grain crop along with grasses/weeds.

The blue sky is alive with birds and butterflies. If one sees closely, the big central cloud dons the shape/contours of Telangana State.

And above all, Bathukamma decorated with Tangedu flowers adores the logo giving a vital link between the Nature and Culture in rural Telangana. Over all, the logo is a celebration of vibrant biodiversity of Telangana State.

#### 4.12. Identification & Declaration of Biodiversity Heritage Sites (BHS)

As per the Biological Diversity Act, 2002 "Biodiversity Heritage Site" means natural areas, sites or features consistiting of physical, biological or geographical or groups of such formations constituting the habitat of threatened species of plants and animals of outstanding universal value from the point of view of science or conservation.

In the above context, the Ameenpur lake (tank) has been identified as a "birding paradise" because of the number of migratory birds visiting the site every year. Nature lovers & bird watchers have been visiting the site for the pleasure of sighting the birds & other avi-fauna & flora. Meanwhile, due to heavy industrialization around the area, the lake came under severe threat for its very existence. In spite of the shrinking catchment area, the lake contained water, the elixir of life, even during the mid summer & post summer 2015. (with no sizable rain received during monsoon). The fishermen of the village could still harvest fish. This makes the lake significant in terms of conservation & protection.

Around 171 species of birds (migratory & residents), 250 plant species (including rare & medicinal), 9 fish species, 26 aquatic beetles, 41 butterfly species, 33 species of invertebrates, 12 amphibian species, 33 reptiles species, 9 species of wild animals and millet diversity are documented in the area by TSBDB

#### Measures taken so far:

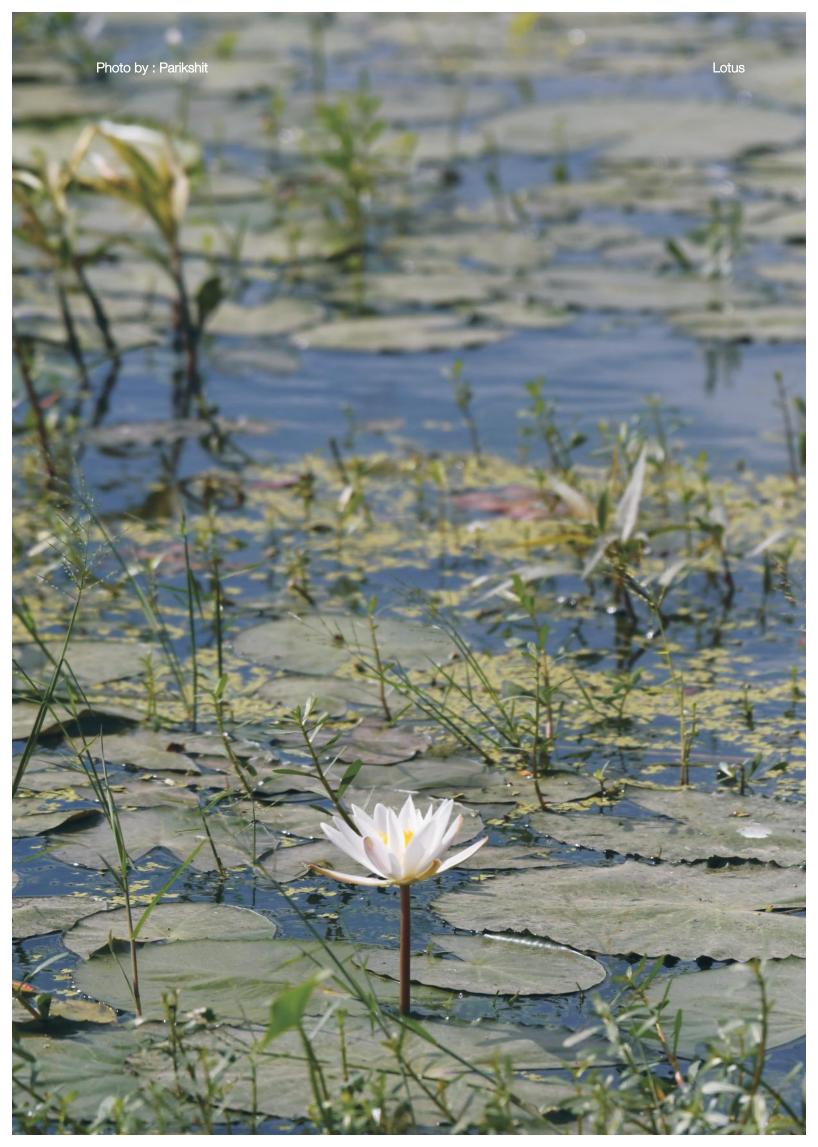
- The Board received a proposal from Biodiversity management Committee, Ameenpur for declaring the declaration of the Ameenpur lake as a Biodiversity Heritage Site.
- The Telangana State Biodiversity Board organized two awareness programs with local body gram panchayat and involved the local revenue officials & all the stakeholders like fishermen community of Ameenpur during July & August, 2015.
- Also the Biodiversity Management Committee (BMC), Ameenpur, G.P has been constituted as per the Section 41 (1) of the Biological Diversity Act, 2002 and BMC gave consent for declaration of Ameenpur lake as Biodiversity Heritage Site.
- Biodiversity study of the area was carried out (Documented the Biodiversity Profile of the Ameenpur lake).
- Prepared a detailed proposal for declaring the Ameenpur lake as BDHS.
- ❖ Based on the proposal, the matter was discussed & examined thoroughly in the Expert Committee meeting held on identification and declaration of BHS on 22.08.2015. The Collector and District Magistrate of Medak District and the Chairperson of ZPP Medak also recommended for declaring the Ameenpur lake as a Biodiversity Heritage Site. Telangana Special Protection Force (TSSPF) took special interest in cleaning the site and removing the garbage. The Board submitted the proposal for declaration Ameenpur lake as Biodiversity Heritage Site under the Biological Diversity Act, 2002.
- After the recommendations of the Expert Committee the proposal was placed before the Board meeting for approval. Based on the approval of the Board the proposal was sent to

Government of Telangana which issued preliminary notification, calling for objections if any, within 30 days after notification.

- The final Gazette notification will be issued by the Government declaring the particular \* site as Biodiversity Heritage Site, after examining the objections if any.
- A state level monitoring committee would be constituted by the Telangana State • Biodiversity Board to monitor the implementation of management plan periodically.







#### 4.13 UNEP-GEF-MoEF&CC-ABS Project

National Biodiversity Authority (NBA) & Telangana State Biodiversity Board (TSBDB) is implementing the First Global Environment Facility (GEF) project on "Strengthening the Implementation of the Biological Diversity Act, 2002 and Telangana State Biological Diversity Rules, 2015, with focus on its Access and Benefit Sharing Provisions", with the support of United Nations Environment Programme (UNEP) and the Ministry of Environment, Forests and Climate Change (MoEF&CC), Government of India.

This project is being implemented in the 12 states of India viz., Andhra Pradesh, Gujarat, West Bengal, Himachal Pradesh, Sikkim, Karnataka, Goa, Orissa, Tripura, Andaman and Nicobar Islands, Delhi and Telangana and it is funded by Global Environmental Facility (GEF) and Government of India. Under the project the board appointed the state project coordinator, technical / scientific assistant, finance assistant and computer assistant.

#### **Objectives of the Project**

- ❖ To develop standardized economic valuation methods for valuing biodiversity in the selected ecosystem
- ❖ Developing database on biological resources to tap ABS potential in project states
- Assessing and quantifying the economic value of biological diversity present at local, state and national levels using appropriate methodologies
- ❖ Determining benefit sharing and informing national decision makers on prioritizing conservation action
- ❖ Developing legal tools, methodologies, guidelines and frameworks for ABS mechanism
- ❖ Capacity building for stakeholders in decision-making process
- Piloting ABS agreements in project states
- Promotion and strengthening of biodiversity funds at national, state and local levels
- Strategizing public awareness programs and facilitating level playing for public, NGOs, private sector etc., on ABS

#### Major achievements under the Project (2015-16)

- ❖ Areas rich in biodiversity were identified in three selected ecosystems (Wetland, Forest & Agriculture) & 35 BMCs were formed in those areas for ABS under the project.
- ❖ Established 35 LBFs and released LBFs to 35 BMCs an amount of RS. 60,000/- each.
- Prepared 10 People's Biodiversity Registers in the potential ABS areas with the support of Technical Support Groups at selected BMCs.
- Organized 2 exchange visits (peer to peer learning) to BMC members to Adilabad, Telangana State and Rajamundry, Andhra Pradesh to learn the best practices regarding PBRs, LBFs, ABS, etc.

- ❖ Organized 3 state level awareness programmes for BMCs on ABS mechanism and Biological Diversity Act, 2002.
- Selected 21 potential BRs for ABS and identified the companies who are utilizing them for industrial use and documented the trade of these resources, prices and companies accessing them with the help of line departments.
- Organized interaction programmes with healers at BMC level and documented TK as per the format adopted under the project.
- ❖ Documented more than 100 traditional knowledge related to biological resources with the help of local healers.
- \* Developed methodology for processing & clearing ABS applications for signing ABS agreement (PIC, MAT & MTA).
- Developed 7 publications related ABS, TK, BMCs, PBRs, etc. and translated into Telugu regional language.
- Documented tradable bioresources of the state with the help of experts from Universities and agencies.
- ❖ Organized three Techno Legal Advisory Group meetings regarding implementation of Access and Benefit Sharing Mechanism and Act.
- ❖ Organized five Focus Group Meetings among the Research Institutions (ICAR&CSIR), Biotech, Pharma, Ayurveda industries, line departments and other stakeholders.
- ❖vOrganized four state level workshops on Access and Benefit Sharing Mechanism among the various stakeholders Research Institutions (ICAR&CSIR), Biotech, Pharma, Ayurveda industries, line departments and other stakeholders.
- ❖ Signed 11 Access and Benefit Sharing Agreements and an amount of Rs. 1.87 lakh funds accumulated in SBF through ABS (including Form-I application fee). These 11 companies are accessing the BRs (Bacteria, fungi,) for developing formulations like Biofertilizers, biopesticides, Plant Growth promoting Rhizobacteria (PGPR).
- Organized one state level workshop on economic valuation for ABS involving stakeholders who are using biological resources for commercial as well as research.
- ❖ Involved and developed various model regarding ABS mechanism, TK, economic Valuation, BMCs, PBRs, etc.

#### **Piloting Access and Benefit Sharing Agreements**

Section 7 read with Section 24 (1) of the Biological Diversity Act, 2002 and Rule 16 (1,2,3) of the Telangana State Biological Diversity Rules, 2015 the following 11 companies have been entered in to Access and Benefit Sharing Agreement for access to biological resources for commercial utilization in India. These regulations are mainly to contribute to the conservation of biodiversity and sustainable use of its components and to secure equitable sharing of benefits arising out of the use of accessed biological resource if any.

These companies will pay 0.1% up to Rs.1.00 Crore, 0.2% for Rs. 1.00 Crore up to Rs. 3.00 Crore and for above Rs. 3.00 Crore -0.5% of annual gross ex-factory sale of product. The benefit sharing component shall be worked out based on the annual ex-factory gross sales minus (deduct) Government taxes, towards benefit sharing respectively to the Telangana State Biodiversity Board. These companies are accessing the BRs (Bacteria, fungi,) for developing formulations like Biofertilizers, biopesticides, Plant Growth promoting Rhizobacteria (PGPR). So far totally, Rs. 1.87 lakh funds accumulated in SBF through ABS (including Form-I fee) to came at the end.

#### **Consultation meetings with Biodiversity Management Committees**

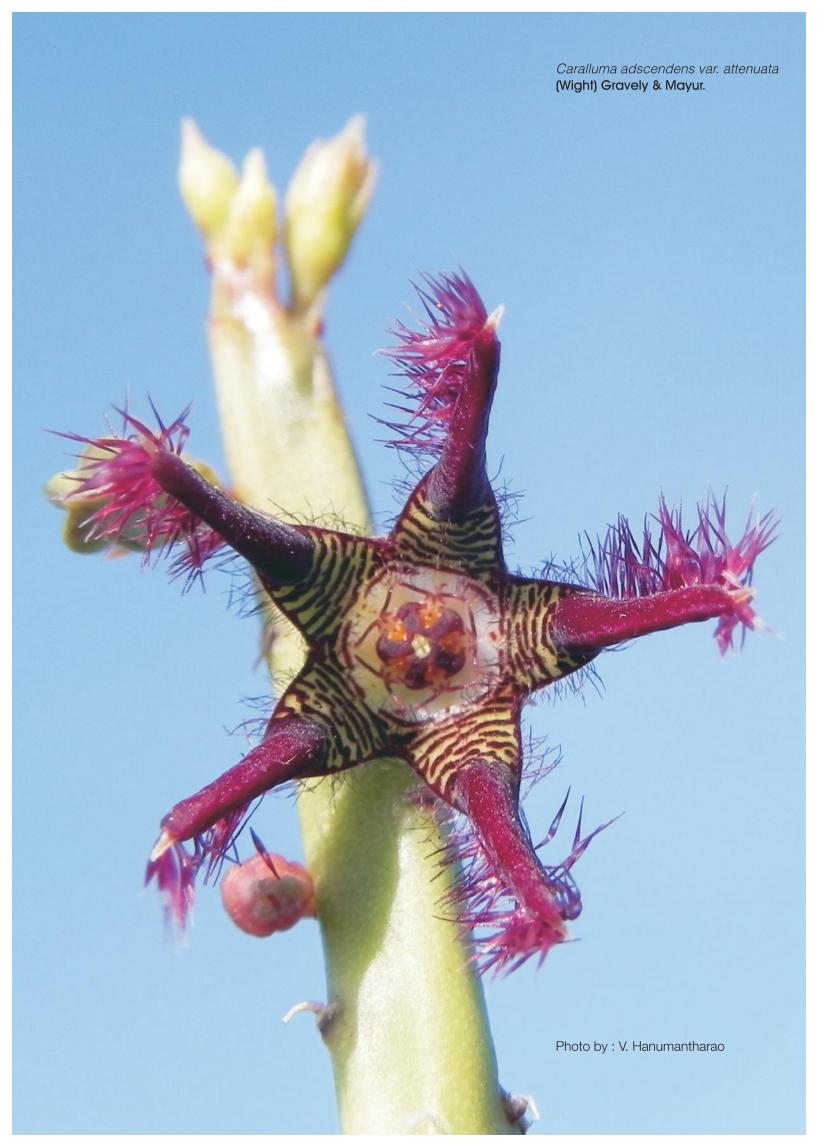
As per Rule 22 of Telangana State Biological Diversity Rules, 2015 says that- the Board after due appraisal of the application and after consultation with the concerned Biodiversity Management Committee and after collection of such additional information, as it may deem necessary shall decide on the application, as far as possible within a period of 3 months in receipt of the same. In this context, the word "consult", for the purpose of the act, includes the following steps, inter alia: (a) issuing of public notice, in local language, of the proposal for access/collection: (b) discussion/dialogue with the general assembly of the proposal and its implications for conservation and livelihoods.

The TSBDB organized 31 consultation meetings with the support of District Biodiversity Coordinators concerned in various Biodiversity Management Committees at Grampanchayat, Mandal and District levels for the consent of BMC for access to Biological Resources by the industries for commercial and research purposes.

S.No	Details of the applicant	Name of the BMC	Action taken by TSBDB
1	M/s. Poabs Biotech Pvt. Ltd., Pokuttoor, Thiruvallar – 689 106	Geographical locations:  • Kothakota Village, Mahabubnagar District, Telangana State	❖ ABS agreement signed on 15 <sup>th</sup> April 2015
2	M/s. Maa Bhagawati Biotech & Chemicals, Jotwari Complex, Samarth Wadi, Wardha – 442 001, Maharashtra.	Geographical locations:  • Kothakota Village, Mahabubnagar District, Telangana State	<ul><li>ABS agreement signed during 2015.</li></ul>
3	M/s. Advance Cropcare (India) Pvt Ltd Reg. Off: 203, Indore trade Center, 3/2 South Tukoganj, Indore (MP) - 452 001	<ul> <li>Geographical locations:</li> <li>The bioresource collected form Kothakota BMC, Mahabubnagar District, Telangana State.</li> <li>This biological resource will be sourced as a technology through licensing from IIOR, Hyderabad.</li> </ul>	<ul> <li>Consent given by Kothakota BMC</li> <li>ABS agreement signed on 4th January 2016</li> </ul>
4	M/s. Arya Biotech & Research Laboratories, Reg. Off: c/o Prashant Ingole, Baripura Nandgaonpeth, Tq.Dist.Amravati-444 901, Maharashtra	<ul> <li>Geographical locations:</li> <li>The bioresource collected form Kothakota BMC, Mahabubnagar District, Telangana State.</li> <li>This biological resource will be sourced as a technology through licensing from IIOR, Hyderabad.</li> </ul>	<ul> <li>Consent given by Kothakota BMC</li> <li>ABS agreement signed on 13th January 2016</li> </ul>
5	M/s. Sugway Agribiotech & Research Foundation, Regd. Office: 38, Darda Nagar, Yavatmal Dist – 445 001, Maharashtra	<ul> <li>Geographical locations:</li> <li>The bioresource collected form Kothakota BMC, Mahabubnagar District, Telangana State.</li> <li>This biological resource will be sourced as a technology through licensing from IIOR, Hyderabad.</li> </ul>	<ul> <li>Consent given by Kothakota BMC</li> <li>ABS agreement signed on 19th January 2016</li> </ul>
6	M/s. 0m Agro Organics, Regd Off: 'Om Sai Appt', Plot No. 38, Nr. Water Tank, Darda Nagar, Yavatmal Dist – 445 001, Maharashtra	<ul> <li>Geographical locations:</li> <li>The bioresource collected form Kothakota BMC, Mahabubnagar District, Telangana State.</li> <li>This biological resource will be sourced as a technology throug licensing from IIOR, Hyderabad.</li> </ul>	<ul> <li>Consent given by Kothakota BMC</li> <li>ABS agreement signed on 28th January 2016</li> </ul>
7	M/s. Sai Agrotech, Office: Plot No. 38 Nr. Water Tank, Darda Nagar, Yavatmal Dist – 445001, Maharashtra	<ul> <li>Geographical locations:</li> <li>The bioresource collected form Kothakota BMC, Mahabubnagar District, Telangana State.</li> <li>This biological resource will be sourced as a technology through licensing from IIOR, Hyderabad.</li> </ul>	<ul><li>Consent given by Kothakota BMC</li><li>ABS agreement signed on 28th January 2016</li></ul>

8	M/s. Agri Life, Plot No. 154/A5-1, SVCIE, IDA, Bollaram, Medak District	Geographical locations:  The bioresource collected form BMC Regenthal G.P., Sadasivapet Mandal, Medak District, Telangana State.	*	Consent given by BMC Regenthal G.P. ABS agreement signed on 29th March 2016
9	M/s. SOM Phytopharma (India) Limited, Plot No. 154/A5-1, SVCIE, IDA, Bollaram, Medak District	Geographical locations:  The bioresource collected form BMC Regenthal G.P., Sadasivapet Mandal, Medak District, Telangana State.	*	Consent given by BMC Regenthal G.P.  ABS agreement signed on 29 <sup>th</sup> March 2016
10	M/s. AG Bio Systems Pvt. Ltd. , 35E, Phase V, IDA, Cherlapally, Hyderabad	Geographical locations:  The bioresource collected form BMC Adavi Ramanpalam GP, Adasarlapadu Mandal, Khammam, Telangana State.	*	Consent given by BMC Adavi Ramanpalam GP ABS agreement signed on 24th March 2016
11	M/s. AG Bio Systems Pvt. Ltd. , 35E, Phase V, IDA, Cherlapally, Hyderabad	Geographical locations:  The bioresource collected form BMC Adavi Ramanpalam GP, Adasarlapadu Mandal, Khammam, Telangana State.	*	Consent given by BMC Adavi Ramanpalam GP ABS agreement signed on 24 <sup>th</sup> March 2016





# 4.14. DST (Department of Science & Technology) project on Biodiversity Conservation & Documentation through Integration of Rain Water Harvesting with fish Genetic Resources for Livelihood Security

This project was launched in 2014 with the objectives of:

- Formation of Biodiversity Management Committee (BMC) in the selected project sites.
- Baseline Survey of the selected project sites for the selection of beneficiaries.
- Rain water harvesting, storage and effective utilization.
- Capacity building in fish biodiversity management for livelihood security.
- Preparation of People Biodiversity Register (PBR) for the three selected villages.

#### Activities carried out so far:

Biodiversity Management Committee (BMC) were formed at the selected villages Palem (Bijnapalli mandal) Amarchinta (Atmakur mandal) Karwanga (Tellkapalli Mandal) and Zilla Pharishad BMC Mahabubnagar District. A water harvesting pond of one acre was constructed in Amarchinta village. In addition, fish fingerlings of Indian Major Carps (Catla catla, Labeo rohita, C. mirigala & Common Carp) were procured to restore the aquatic biodiversity & for livelihood generation by integration of different species in the community water bodies for the selected beneficiaries. Also, medicinal plants like Amla, Neem, Pomgamia pinnetta, drum stick and tamarind were planted near the banks of the constructed ponds to integrate medicinal plants with fisheries. A scientist with specilization in fisheries has been coordinating the above activities.









#### 4. 15. Research Project:

TSBDB is implementing a research project on "Conservation of local germplasm: Registration of Mannanur Cattle, a native livestock population of Telangana State" in collaboration with Animal Husbandry Department and WASSAN, NGO.

The project's aim is to do characterization and registration of Mannanur Cattle as a distinct breed of Telangana state, by developing breed descriptor as per the guideline of National bureau of Animal Genetic Resources (NBAGR) and organize Mannanur Cattle Breeders Association in order to initiate conservation and improvement of Mannanur Cattle Germplasm. Efforts also will be made to prepare inventory of the local livestock population having potential of registration as distinct breed in Telengana state through a rapid survey and reconnaissance study.

In the above context, the project was launched in an event organized by Telangana State Biodiversity Board which was attended by Shri. Vikas Raj, IAS, Secretary to Govt, Environment, Forest, Science & Technology Department as the Chief Guest Dr. Sabyasachi Das, WASSAN and Mr. Ramesh Bhatti Prog. Director, Sahjeevan, Gujarat shared their experiences regarding Registration of indigenous Breeds in Gujarat & Rajasthan. The local community breeders of mannanur cattle, officials from Telangana State Animal Husbandry Dept, Local NGOs & BMC Mannanur chairman & BMC members also participated in the program on 20.04.2016 at TSBDB office & preliminary survey of the population and identification of the breeders is complete. A detail study on the physical characterization of the mannanur cattle is in progress. The project period is 2 years and the financial outlay of the project is Rs. 17.69.000/-.





### 4. 16. UNDP India Biodiversity Award 2016 for successful ABS mechanism

The TSBDB nominated the Indian Institute of Oilseeds Research (IIOR)-ICAR for UNDP Biodiversity Awards during January, 2016 and after three rounds and field visits by the Jury members, the IIOR got selected for UNDP Biodiversity Award, 2016 under Successful Mechanisms/ Models for Access and Benefit Sharing Category: Efforts resulting in equitable sharing of benefits (monetary and/ or non-monetary) arising from the utilisation of bioresources and associated traditional knowledge and practices. The IIOR received cash prize Rs. 50,000/- and award on the occasion of International Day for Biological Diversity 22<sup>nd</sup> May 2016 at Mumbai organised by the Ministry of Environment, Forest & Climate Change, Government of India, through the National Biodiversity Authority with support from the Maharashtra State Biodiversity Board, in partnership with United Nations Development Programme and others. The BMC Member Secretaries of Kothakota, Mahabubnagar District, Kothagudem, Nalgonda District also attended the award ceremony.









Receiving of Award from Shri. Prakash Javadekar, Minister of State (independent charge), MoEF & CC and Governor of Maharastra & Chairperson of NBA by IIOR & BMC members during IBD, on 22nd may 2016.





### 4. 17. Other Activities

- The Board organized various campaigns on protection of Indian Rollers during dusserah festival & stopping the use of the Chinese manja during kite festival. Also the Govt of Telangana issued a GO for ban of Chinese manja.
- Liaison with line departments for taking necessary action toward conservation of native biological resources. eg: Agri-bio diversity, Tilapia fish issue, declaration of state fish, RET identification etc.
- One week professional training programme was organized for District Biodiversity Coordinators (DBCs) through Foundation for Revitalization of Local Health Traditions (FRLHT), Bengaluru for preparation of PBRs focusing on documentation of medicinal plants.



YOUR FOOD IN THE FIELDS

**EVERYDAY BY EATING PESTS** 

THAT DESTROY YOUR CROPS.





TRADED OR HELD IN CAPTIVITY-

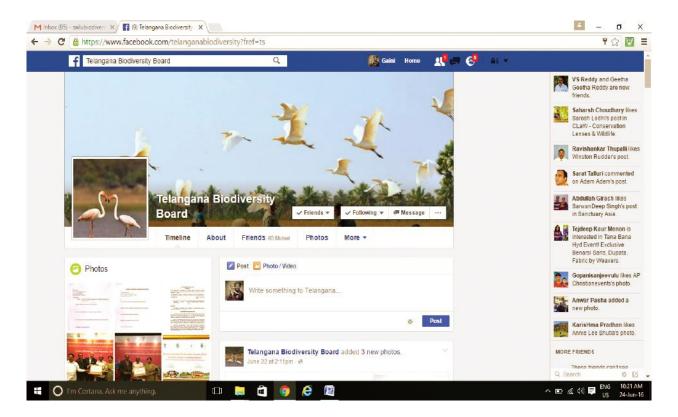
TOLL FREE HELPLINE: 1800 4255 364

MOBILE: 7674922044





A Facebook page has been specifically operated by Telangana State Biodiversity Board to share information on TSBDB activities from time to time.



- Organized "Conservation through Cartooning" event and exhibition on the occasion of the "World Environment Day" on 05.06.2015 at Birla Science Centre, Hyderabad involving 150 participants.
- The Telangana State Biodiversity Board organized one day state level media workshop on 16.06.2015 on Access and Benefit Sharing (ABS) for creating awareness among the media persons about the Biological Diversity Act, 2002 and related State Rules 2015 by involving ICAR institutes; Indian Institute of Oilseeds Research (IIOR) and National Academy of Agriculture Research Management (NAARAM).
- Hon'ble Minister for Environment, Forest Science and Technology Sri.Jogu Ramanna released Telugu publications on Telangana State Biological Diversity Act & Rules, guidelines etc. on 02.11.2015
- The first Board meeting was held on 11.01.2016. The meeting was chaired by Dr.Rajiv Sharma, IAS, Chief Secretary, Government of Telangana. The Board deliberated on various issues pertinent to the activities of TSBDB. The Hon'ble Chairman released New Year calendars of TSBDB (Table & wall calendars) for distribution to BMCs and officials of the line departments.

The Telangana State Biodiversity Board (TSBDB) organized one day State level workshop on "Conservation on Biodiversity" on 19th April, 2016 at Institute of Science & Technology (IST), JNTU, Hyderabad for National Service Scheme (NSS) Volunteers of various universities. Sri.M.Satyanarayana Reddy, State NSS Officer and Dr.Jayasri, Director, Centre for Environment Cell, JNTU and more than 100 volunteers attended the workshop. An action plan was prepared 2016-17 to include the Biodiversity subject in the NSS curriculum. 15 Biodiversity Clubs were established with the help of Programe Officers of various NSS Units to support the Biodiversity Management Committees (BMCs) at Gram Panchayat level in Telangana.





A team constituted by TSBDB, we Visited Zaheerabad Agri- Biodiversity area to understand the feasibility of declaring few clusters in Zaheerabad area for show- casing Agri-biodiversity. The team consisted of Dr.K.S.Varaprasad, Director, Indian Institute of Oliseeds Research (IIOR), Smt.Afzal Begum, Asst.Director of Agriculture, G.Sailu, State Project Coordinator, UNEP-GEF Project and Dr.Shilpi Sharma, Scientist, DST Project, TSBDB





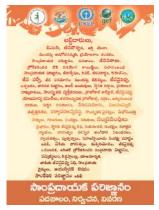


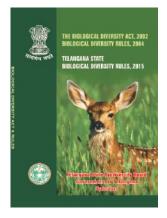
# 4.18. Publications translated, developed by Telangana State Biodiversity Board under UNEP-GEF-MoEF&CC-ABS Project

- 1. Project brochure
- 2. Fact Sheets
- 3. Defining and explaining ABS terminology.
- 4. Explaining and defining Traditional Knowledge Terminology
- 5. Local Biodiversity Fund Operation and Maintenance
- 6. Guidance Manual: ABS Mechanism under the Biological Diversity Act, 2002,
- 7. Biodiversity Management Committees: Operational Tool Kit
- 8. Guidelines on Access to Biological Resources and Associated Knowledge and Benefit Sharing Regulations-2014
- 9. Access and Benefit Sharing Provisions Book format.
- 10. People's Biodiversity Register (Revised 2013 format released by NBA).
- 11. Guidelines for Operationalization of Biodiversity Management committees (BMCs).

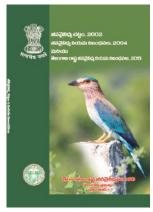


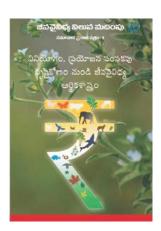


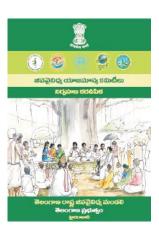


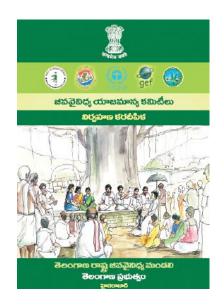


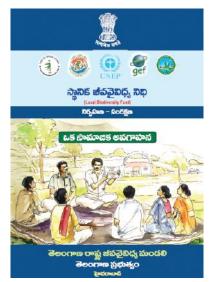










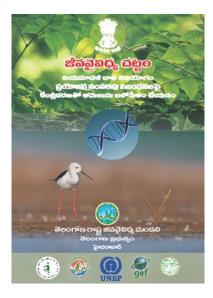


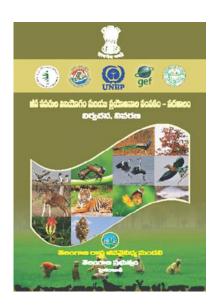












# 4. 19. Audit Reports

# TELANGANA STATE BIODIVERSITY BOARD INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDING 31.03.2016

Particulars	Sch As at 31.03.2016		As at 31.03.2015	
	No	(Rs.)	(Rs.)	
1. INCOME:				
NBD Grants received and utilised for Activities	7	10,178,399.50	*	
State Government Grants Received and Utilised	8	9,674,048.00	220,361.00	
Other Income	9	772,293,00		
Total Rs.	_	20,624,740.50	220,361.00	
II. EXPENDITURE:				
NBA Scheme Expenditure	10 10,178,399.50			
Administrative Expenses	11	9,066,287.00	176,359.00	
Other Administrative Expenses	12	110,889.00	43,802.00	
Other Office Expenses	13	496,872.00	200.00	
Depreciation		126,850.00		
Total Rs.		19,979,297.50	220,361.00	
III. Net Surplus / (Deficit)		645,443.00	-	
IV. Previous Years Balance B/f.		-	-	
V. Balance Carried to Balance Sheet				

As per our report of even date

for Badari Nath & Co Chartered Accountants Firm Regn No. 009622s

(N.V.R.BADARI NATH)

Proprietor

Membership No. 200428

Place: Hyderabad Date: 191716 For Telangana state Biodiversity Board

Member Secretary

Chairman

#### TELANGANA STATE BIODIVERSITY BOARD RALANCE SHEET AS ON 31 03 2016

	Sch	As at	As at 31.03.2015 (Rs.)	
Particulars	No.	31.03.2016		
		(Rs.)		
I. SOURCES OF FUNDS:				
CAPITAL FUND	1	2,657,601.00	1,813,554.00	
Unspent grants	1A	7,199,144.50	13,957,639.00	
RESERVES & SURPLUSES		645,443.00	=	
CURRENT LIABILITIES & PROVISIONS:				
Current Liabilities	2	2	-	
Total Rs.	_	10,502,188.50	15,771,193.00	
II. APPLICATION OF FUNDS:				
FIXED ASSETS	3	717,197.00	-	
	12	717,197.00	-	
CURRENT ASSETS, LOANS & ADVANCES				
Deposits	4	5,000.00	5,000.00	
Advances Recoverable and considered good	5	2,708,708.90	1,788,028.90	
Cash and Bank Balances	6	7,071,282.60	13,978,164.10	
Total Rs.	_	10,502,188.50	15,771,193.00	
N	14	-	-	
Note to Accounts	14			

As per our report of even date for Badari Nath & Co

Chartered Accountants Firm Regn No. 0096228

(N.V.R.BADARI NATH)

Proprietor

Membership No. 200428

Place: Hyderabad Date: 141211

For Telangana state Biodiversity Board

Chairman

## **UNEP-GEF-MoEF&CC-ABS Project**

Budget statement for the period of 01.04.2015 to 31.03.2016

(Amount in Rupees)

BL*	Budget Line description	Budget Received	Expenditure	Balance amount
1105	State Project Coordinator	422621.00	552996.00	-130375.00
1301	Finance Assistant	140000.00	180000.00	-40000.00
1303	Scientific/Technical Assistants	175000.00	225000.00	-50000.00
1304	Computer Assistant	149653.00	198053.00	-48400.00
1601	Project Staff Travel	25000.00	12562.00	12438.00
1602	Field Survey	25000.00	-	25000.00
2201	Bioresources identification and valuation	700000.00	931095.00	-231095.00
2202	Tools Development & Testing	440000.00	287732.00	152268.00
2203	Piloting ABS Agreements	800000.00	764084.00	35916.00
2204	Policy & Regulatory Frame work review	90000.00	17712.00	72288.00
2205	Capacity Building	20000.00	35905.00	-15905.00
2206	Awareness and Public Participation	350000.00	158300.00	191700.00
3201	Training on Economic Valuation	100000.00	0.00	100000.00
3202	Training on Negotiation Skills	50000.00	50000.00	0.00
3203	Training on ABS Issues	175000.00	113840.00	61160.00
3205	Awarenes, advocacy and public participation workshop	250000.00	113393.00	136607.00
3302	Annual PSC meeting	56800.00	24218.00	32582.00
3303	Project Planning meetings	40000.00	0.00	40000.00
4101	Office supplies	7000.00	6934.00	66.00
4201	Computers and printers	200000.00	197000.00	3000.00
5301	Communications	8926.00	7053.00	1873.00
	TOTAL	4225000.00	3875877.00	349123.00
	Interest received	24559.00	0.00	24559.00
	Grand Total	4249559.00	3875877.00	373682.00

Telangana State Biodiversity Board
HYDERARAD





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# THE TELANGANA GAZETTE

# PART-I EXTRAORDINARY PUBLISHED BY AUTHORITY

No. 85 1

HYDERABAD, WEDNESDAY, NOVEMBER 5, 2014.

### NOTIFICATIONS BY GOVERNMENT

\_\_\_ *x* \_\_\_

# ENVIRONMENT, FORESTS, SCIENCE AND TECHNOLOGY DEPARTMENT (FOR.II)

#### CONSTITUTION OF THE TELANGANA STATE BIODIVERSITY BOARD.

[GO.Ms.No. 21, Environment, Forests, Science & Technology (For.II), 25th October, 2014.]

In exercise of the powers conferred by Section 22 of the Biological Diversity Act, 2002 (Central Act No.18 of 2004), the Government of Telangana hereby constitute the Telangana State Biodiversity Board with the following:-

1	To be nominated by Government	Chairman
2	Principal Secretary to Government, Environment, Forests, Science &	
	Technology Department, Telangana State Secretariat, Hyderabad.	Ex-Officio Member
3	Principal Secretary to Government, Animal Husbandry & Fisheries	
	Department, Telangana State Secretariat, Hyderabad.	Ex-Officio Member
4	Principal Secretary to Government, Agriculture & Co-operation.	Ex-Officio Member
5	Director, Central Research Institute for Dryland Agriculture	
	(CRIDA), Santosh Nagar, Hyderabad.	Ex-Officio Member
6	To be nominated by Government	Member Secretary
7	Chief Executive Officer, Medicinal Plants & Aromatics Board, Hyderabad.	Expert Member
8	Principal Scientist, National Bureau of Plant Genetic Resources,	
	Regional Station, Rajendranagar, Hyderabad.	Expert Member
9	Director, Centre for Cellular and Molecular-Biology, LaCONES,	
	Hubsiguda (Uppal) Hyderabad.	Expert Member
10	Conservator / Chief Conservator of Forests.	Expert Member
11	President, Ramakrishna Seva Samithi, Adilabad.	Expert Member

The term of the Board so constituted will be for a period of three (3) years from the date of publication of the notification.

J. RAYMOND PETER, Principal Secretary to Government (FAC).

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# తెలంగాణ రాజ పత్రము

RULES SUPPLEMENT TO PART-I EXTRA ORDINARY

OF

## THE TELANGANA GAZETTE

### PUBLISHED BY AUTHORITY

No. 18-A]

HYDERABAD, THURSDAY, MAY 14, 2015.

#### NOTIFICATIONS BY GOVERNMENT

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# ENVIRONMENT, FORESTS, SCIENCE AND TECHNOLOGY DEPARTMENT (FOR.II)

FRAMING OF TELANGANA STATE BIOLOGICAL DIVERSITY RULES, 2015 UNDER THE BIOLOGICAL DIVERSITY ACT, 2002 (CENTRAL ACT NO.18 OF 2003).

[G.O.Ms. No.23, Environment, Forests, Science and Technology (Fo#:M/a]/42015.]

In exercise of the powers conferred by sub section (1) of section 63 of the Biological Diversity Act, 2002 (Central Act No. 18 of 2003), read with the Biological Diversity Rules, 2004 issued in GSR 261 (E), Ministry of Environment and Forests, New Delhi, dated 15 April, 2004, the Government of Telangana hereby makes the following rules, namely:-

#### 1. Short title and commencement:

- (1) These Rules may be called "Telangana State" Biological Diversity Rules, 2015.
- (2) These rules shall extend to the whole of the State of Telangana
- (3) These rules shall come into force from the date of publication in the "Telangana State" Gazette".

#### 2. Definitions:

In these Rules, unless the context otherwise requires-

(a) "Act" means the Biological Diversity Act, 2002 (Central Act No.18 of 2003)

[1]

#### 5. 3.

#### GOVERNMENT OF TELANGANA **ABSTRACT**

EFS&T Department - Forest Department - Telangana State Bio-diversity Board - Expert Committee meeting on Access Benefit Sharing (ABS) held on 10.03.2015 at National Biodiversity Authority, Chennai - Constitution of Expert Committees - Orders - Issued.

ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (FOR.II) DEPARTMENT

G.O.RT.No. 80

Dated: 18-04-2015. Read:

From the Member Secretary, Telangana State Biodiversity Board, Lr.Ref.No.36/TSBDB/2015, Dt.16.3.2015.

#### ORDER:

In the circumstances reported by the Member Secretary, Telangana State Biodiversity Board, Hyderabad in the letter read above, Government after careful consideration of the matter hereby nominate provisionally Eight (8) Expert Committees till the Chairman for the Telangana State Biodiversity Board is appointed. The details of Eight (8) Expert Committees, is hereunder:

#### I. **Wildlife Conservation and Protection Committee**

- 1. Principal Chief Conservator of Forests (Wildlife), Aranya Bhavan, Telangana, Hyderabad.
- 2. Director, Telangana Forest Academy, Dulapally, Hyderabad.
- 3. Senior Scientist, nominated by Centre for Cellular and Molecular Biology, Hyderabad.
- 4. Dr.C.Srinivasulu, Assistant Professor Department of Zoology, Osmania University, Hyderabad.
- 5. Dr.S.Narendra Prasad, Retired Scientist, Salim Ali Centre for Ornithology and Nature History Deccan Regional Station, Hyderabad.
- 6. Sri.Mathen Mathew, Bio wild, Hyderabad.
- 7. State Director, World Wide Fund for Nature-India (WWF-India), Hvderabad.
- 8. Sri Ashish Pitti, Bird Society of Telangana, Hyderabad.
- 9. Sri Devidas Magnani, Wildlife Activist and photographer, Hyderabad.

#### II. **Animal and Fish Biodiversity Committee**

- 1. Director, Animal Husbandry and Dairy Development Department, Telangana Secretariat, Hyderabad.
- 2. Director, Fisheries Department, Hyderabad.
- 3. Representative from Laboratory for the Conservation of Endangered Species (LACONES), Hyderabad.
- 4. Senior Scientist, nominated by Centre for Cellular and Molecular Biology (CCMB), Hyderabad.
- 5. Scientist Incharge, Zoological Survey of India, Hyderabad.
- 6. Dr.C.Srinivasulu, Assistant Professor, Department of Zoology, Osmania University, Hyderabad.
- 7. State Director, World Wide Fund for Nature-India (WWF-India), Hyderabad.
- 8. Sri. Mathen Mathews, Bio wild, Hyderabad.

#### **III.** Agri-Biodiversity Committee

- 1. Director, Agriculture and Co-operation Department, Telangana Secretariat, Hyderabad
- 2. Principal Scientist, nominated by Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad.
- 3. Director, Directorate of Oilseeds Research (DOR), Hyderabad.
- 4. Scientist Incharge, Botanical Survey of India, Hyderabad.
- 5. Smt. Anjamma, Farmer through Deccan Development Society, Medak Dist.
- 6. Scientist, Nominated by National Bureau of Plant Genetic Resources (NBPGR), Hyderabad.

#### **Declaration of Biological Heritage Sites Committee**

- 1. Dr.E.A.Siddique, Former Director, Directorate of Rice Research (DRR), Hyderabad.
- 2. Scientist, Nominated by National Bureau of Plant Genetic Resources (NBPGR), Rajendranagar, Hyderabad.
- 3. Sri.S.Ashok Kumar, IAS (Retd), World Wide Fund for Nature-India (WWF-India), Hyderabad.

#### ٧. Legal matters relating to Intellectual Property Rights (IPR) **Committee**

- 1. Senior Faculty, nominated by Nalsar University of Law, Hyderabad.
- 2. Director / Representative of National Academy of Agriculture Research Management, Hyderabad.
- 3. Dr.G.Ram Reddy, Law Department, Osmania University Hyderabad

#### VI. <u>Traditional knowledge associated with Medicinal Plants,</u> **Conservation and Bio-prospecting Committee**

- 1. Dr.B.Laxmi, Environmentalist, Adilabad.
- 2. Representative of National Institute of Rural Development (NIRD), Hyderabad.
- 3. Principal Scientist, Nominated by National Academy of Agricultural Research Management (NAARM), Hyderabad.
- 4. Scientist, Nominated by National Remote Sensing Centre (NRSC), Hyderabad.

#### VII. Expert Committee on Access Benefit Sharing (ABS)

- 1. Additional Principal Chief Conservator of Forests (Research) Telangana Forest Department, Hyderabad.
- 2. Chief Executive officer/Representative, Central Institute for Medicinal and Aromatic Plants (CIMAP), Hyderabad.
- 3. Representative of Botanical Survey of India, Hyderabad.
- 4. Representative of Zoological Survey of India, Hyderabad.
- 5. Chief Executive Officer/Representative, Telangana State Medicinal & Aromatic Plants Board, Hyderabad.
- 6. Dr. Manoranjan Bhanja, IFS, Addl. PCCF, Telangana Forest Dept., Hyderabad.
- 7. Sri.C.Maheswar Reddy, Chartered Accountant, B.Narsinga Rao & Co, Hyderabad.

#### VIII. Awareness and Capacity Building Committee

- 1. Director, Telangana Forest Academy, Dulapally, R.R Dist.
- 2. Director, A.M.R.Academy of Rural Development, Hyderabad.
- 3. Representative of Environment Protection Training and Research Institute (EPTRI) Gachibowli, Hyderabad.

- 4. Director, National Green Corps, Hyderabad.
- 5. Director, World Wide Fund for Nature-India (WWF-India), Hyderabad.
- 6. Officer in charge, Centre for Environmental Education (CEE), Hyderabad.
- 7. Representative of Deccan Development Society, Medak District.
- 8. Representative of Ashram, NGO, Mahaboobnagar.
- 9. Sri Mathen Mathews, Bio wild, Hyderabad.
- 10. Sri.Sivaprasada Rao C.V, Legal expert, Hyderabad.
- 2. Member Secretary, Telangana State Biodiversity Board, Hyderabad shall take necessary further action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

REJESHWAR TIWARI, PRINCIPAL SECRETARY TO GOVERNMENT

To

The Member Secretary, Telangana State Biodiversity Board, Hyderabad.

#### Copy to:-

The Principal Chief Conservator of Forests, Telangana, Hyderabad. Sf/Sc.

//FORWARDED::BY ORDER//

SECTION OFFICER

### 5. 4.

# List of Abbreviations

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

Gol : 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

### 5.5. PAPER CLIPPINGS





## **ස්ත් වූ**හ다<sub>්</sub>තු පෘතියාම

ముంట్లు ప్రామిక్ష్ మండు మంట్లు ముంది ప్రస్తాన్ని కాపాలికోందుకు ప్రతి ఒక్కరూ కృషిచేయాలని జీవ వైవిధ్య మండని జిల్లు సమస్వకర్తలు లక్ష్మీ నరహరిలు సూచించారు డ్యానికంగా జీవ వైవిధ్య మండని జర్వగ్రంలో సర్బంచి బైరగోని మండం అధ్యక్షనన శుక్రవారం అవగాహన సదస్సు నిర్వహించారు ఈ సందర్భంగా జీవ వైవిధ్య మండని జిల్లా సమస్వయకర్తలు గ్రామస్థులకు జీవివైనిధ్యం మండని జిల్లా సమస్వయకర్తలు బ్రామస్థలకు జీవివైనిధ్యం మార్గవడు పరిరక్షణ తనితర అంఖ లపై అవగాహన కల్పించారు జట్పీటీసీ సమ్యనాలు విజయ ఎంమీ యాదగిని మండట సర్వంచుల ఫోరు అధ్యక్షడు నీద్ది నిరింగం తదితరులు పాల్గొన్నారు.



జూ ఎంపీపీ యాదగిరి, శిక్త్రీటీసీ వార్డే విజ యసినులు సాహా

జీవ వైవిధ్య పలిరక్షణ అందలి బాధ్యత





