

ANNUAL REPORT

2021-22



HARYANA STATE BIODIVERSITY BOARD



Annual Report 2021-22

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HARYANA STATE BIODIVERSITY BOARD

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Ghanshyam Shukla, IFS

PREFACE

I am pleased to present the Annual Report of Haryana State Biodiversity Board (HSBB) for the year 2021-22. This Annual Report provides a glimpse of the activities taken up for the implementation of the Biological Diversity Act, 2002 and Biological Diversity Rules, 2004 for conserving State's rich biodiversity.

The State of Haryana is rich in biodiversity, traditional knowledge and culture. Many rare, endemic and endangered species of flora and fauna are naturally thriving here. However, of late, the biodiversity of the State has become vulnerable to factors like forest degradation, soil erosion, water pollution, urbanization etc. If we could generate awareness among the key stakeholders, be it the farmers, the business sector or the wider public, our efforts towards securing biodiversity conservation would bear fruits.

HSBB has been playing a vital role in creating awareness amongst the people about the importance and the need to protect and conserve the biological resources in the State and about the legal provisions available to support their effort.

6435 People's Biodiversity Register (PBRs) (1st draft) at Gram Panchayat, Block, Municipal Committee/Corporation and Zila Parishad level had been prepared during the year 2020-21. Technical Support Groups (TSGs) had been tasked for preparation of 2nd draft of PBRs by involving local Biodiversity Management Committees (BMCs) vaid/hakims and other institutions. The work of updation of the PBRs and Capacity Building of the BMCs has been continued during the year 2021-22.

I express my sincere thanks to Chairman, HSBB and other members of the Board for their valuable guidance in carrying out the activities of the Board and also in preparation of this report. I am thankful to the officers and staff of the Board for successfully carrying out various activities during the year.

Member Secretary
Haryana State Biodiversity Board



Vineet Kumar Garg, IFS

FOREWORD

Haryana State Biodiversity Board (HSBB) has finalized Annual Report for the year 2021-22. This Annual Report gives bird's eye view on the activities of the HSBB during the year in pursuance of its mandate under the Biological Diversity Act, 2002.

The State of Haryana is a land of diverse micro climates and soil types that supports luxuriant growth of myriads of flora. Its different type of forests provide safe haven for variety of fauna. The Shiwaliks and Aravalis are its two biodiversity hotspots. More than 40% of bird species of the Indian Sub-continent are found in the State. Factors like forest degradation, soil erosion, water pollution, urbanization etc. have become serious threats to its natural resources. Creating awareness among all the stakeholders is the first and foremost step in safeguarding the valuable biodiversity from these threats.

Apart from Biodiversity Management Committees (BMCs), other stakeholders like School, College and University students; Farmers and General public have also been made aware about Biodiversity Conservation by holding Exhibitions and training sessions, conducting events like Slogan Writing, Paintings, Photography, Quiz, Rangoli competitions etc. during the year 2021-22.

6435 People's Biodiversity Register (PBRs) (1st draft) at various local bodies level had been prepared till 31st March, 2021. Technical Support Groups (TSGs) had been tasked for preparation of 2nd draft of PBRs by involving local Biodiversity Management Committees (BMCs) vads/hakims and other institutions. Primary source data from 4728 Gram Panchayats have been collected and 2080 PBRs have been updated during the year 2021-22.

I express my gratitude to the National Biodiversity Authority for its financial and technical assistance to the Board for carrying out its functions and duties. I express my sincere thanks to the HSBB members for their valuable guidance. I commend the officers and staff of the Board for successfully carrying out various activities during the year.

Chairman
Haryana State Biodiversity Board

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1. INTRODUCTION

1.1 Background

As we all know Biodiversity encompasses the variety & diversity of all life forms on earth such as plants, animals and microbes living in a wide range of ecosystems. Biodiversity & its interlink forms the very basis of life on this planet. According to estimations, there are about 13 to 14 million species of plants and animals living on our planet, out of which only 1.75 million species have been data-based so far. Due to increasing population, developmental pressures, inequitable and unsustainable utilization of bio-resources, many species of plants and animals are getting extinct every year. Fragmentation and degradation of habitats pose threat to our own survival and well-being.

To address the grave issue of loss of biodiversity and extinction of species, an Earth Summit was held at Rio de Janeiro in Brazil in 1992 and a multilateral treaty named as 'Convention on Biological Diversity' was signed. 194 countries including India are signatory to this treaty. To give effect to the said convention, the Indian Parliament enacted the Biological Diversity Act, 2002 effective from 05-02-2003.

India is a mega diverse country harbouring nearly 7-8 % of all recorded species of plants and animals on only 2.4% of the world's land area. India supports 16-17% of world's population and equal percentage of world's

livestock population. India is one of the 17 mega bio diverse countries and it is known and recognized for its rich associated Traditional Knowledge, where Biodiversity is predominantly managed by its local communities.

Haryana is situated in the northern part of India and has a geographical area of 44,212 sq km which constitutes 1.34% of the geographical area of the country. Physio-graphically Haryana falls in the Indo Gangetic plain although some of the areas fall in Shiwalik hills as well. Climate of the State varies from moist sub- tropical in north bordering Himachal Pradesh to arid in southern part bordering Rajasthan. The average annual rainfall varies from about 200 mm to 1,400 mm and the average annual temperature ranges between 1°C to 45°C. The Yamuna and the Ghaggar are the important rivers of the State. The State has 22 districts. As per the 2011 census, Haryana has a population of 2.53 crores accounting to 2.1% of India's population. The 19th Livestock census 2012 has reported total livestock population of 88.2 Lakhs.

Haryana is primarily an agricultural State of India and 80% of the total geographical area is under agriculture. The forests in Haryana belong to three Forest Type Groups i.e. Tropical Dry Deciduous Forest, Tropical Thorn Forest and Subtropical Pine Forests which are divided into 10 Forest Types. Although, the maximum portion of the geographical area consists of agricultural fields, over a time, the State has achieved a unique status in the field of agroforestry which has enabled the forest deficient State to support a large number of wood-based industries based on farm-grown timber. Poplar and Eucalyptus are the major agroforestry species which have become the main resource for improvement of livelihood of farmers in northern and central parts of the State.

Special emphasis has been given to soil and moisture conservation works in the hills to conserve water and deliver it to adjacent farmlands for increasing their productivity and enhancing incomes. Herbal Parks have been developed in every district to bring people closer to the natural ecosystem.

Two National Parks, eight Wildlife Sanctuaries, two Conservation Reserves and five Community Reserves constitute the Protected Area Network of the State covering 0.75% of its geographical area and about 20% of the total Forest area of the State.

As per India State of Forest Report, FSI, 2021, the Forest Cover in the State is 1603.00 sq. km, which is 3.63% of the State's geographical area and the Tree Cover in the State is 1565 sq. km, which is 3.54% of the geographical area.

Thus, the Forest and Tree Cover of the Haryana State is 7.17% of its geographical area.

Forestry activities in the State are dispersed over rugged Shiwalik Hills in north, Aravalli hills in south, sand dunes in west and wastelands, saline-alkaline lands and waterlogged sites in the central part of the state.

The Aravallis and the Shiwaliks are its two biodiversity hot spots. The State is endowed with rich biodiversity of bird species. Out of 1250 bird species found in Indian sub-continent, approx. 600 species are found in Haryana.

1.2 The Biological Diversity Act, 2002.

The Act was promulgated to meet the objectives of UN-Convention on Biological Diversity (CBD). The Act provides a legal framework for conservation of biological diversity of the country, sustainable use of its components and fair and equitable sharing of the benefits arising out of the use of biological resources. The Biological Diversity Act, 2002 envisages decentralized biodiversity management with Biodiversity Management Committees (BMCs) at local level, State Biodiversity Boards/Union Territory Biodiversity Councils at State/UT Level and National Biodiversity Authority (NBA) at National level.

1.3 The National Biodiversity Authority (NBA)

The National Biodiversity Authority (NBA) was set up in the year 2003 with its headquarters at Chennai. The NBA is a statutory autonomous body which performs advisory function for the Government of India.

1.4 Constitution of Haryana State Biodiversity Board (HSBB)

Haryana State Biodiversity Board (HSBB) was established as per the provisions of Biological Diversity Act, 2002 to protect and preserve the biodiversity in the State. The HSBB was established on 14th November, 2006 through a Gazette notification under the Environment Department. In 2016, the HSBB was transferred to the Forest Department. HSBB has been reconstituted on 12th September, 2019.

HSBB aims to achieve the objectives of the Biological Diversity Act, 2002, i.e Conservation of Biological Diversity, Sustainable utilization of biological resources and Fair and equitable sharing of the benefits arising out of the utilization of biological resources.

1.5 Functions of HSBB

The functions of HSBB are to:

- (a) advise the State Government, subject to any guidelines issued by the Central Government, on matters relating to the conservation of biodiversity, sustainable use of its components and equitable sharing of the benefits arising out of the utilization of biological resources;
- (b) regulate by granting of approvals or otherwise requests for commercial utilization or bio-survey and bio-utilization of any biological resource by Indians;
- (c) 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;

Haryana State Biodiversity Rules are under consideration of the State Government for notification. The functions of HSBB as proposed in these Rules are as below: -

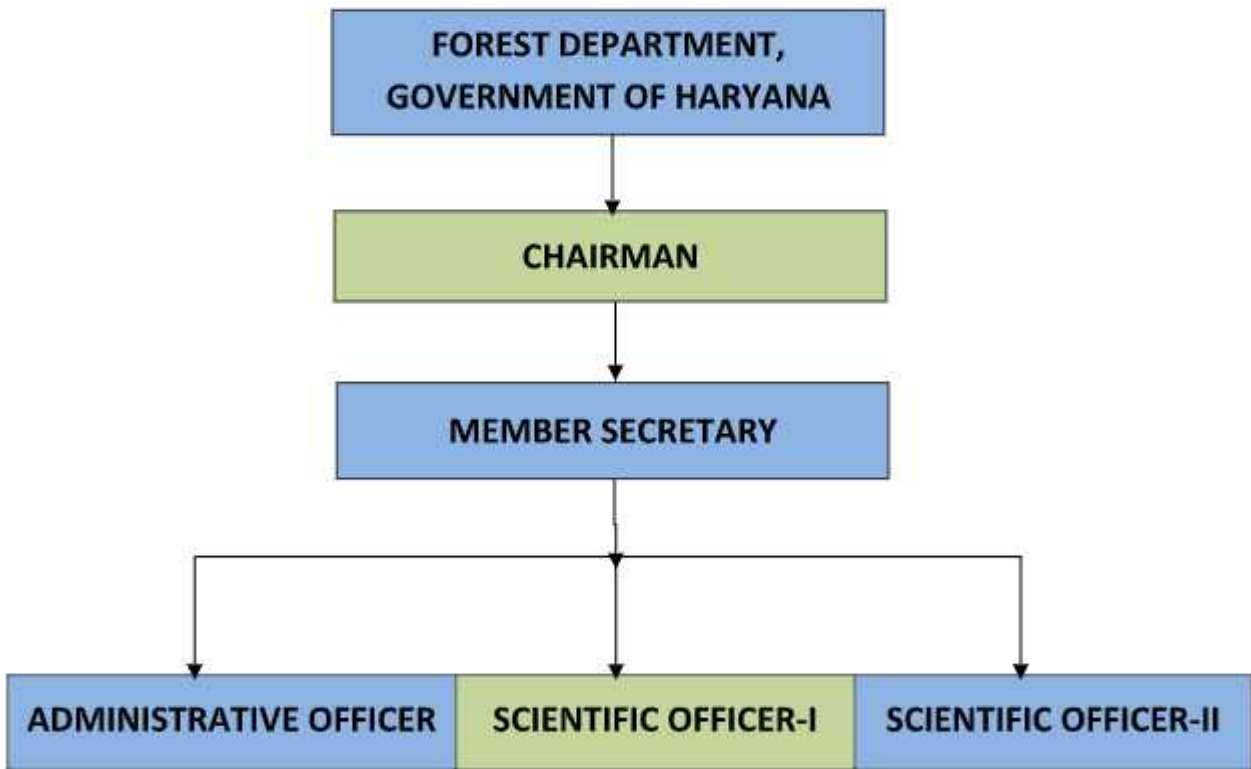
- (d) facilitate updation and implementation of State Biodiversity Strategy and Action Plan;
- (e) commission studies and sponsor investigation and research;
- (f) collect, compile and publish technical and statistical data, manuals, codes and guides relating to conservation of biodiversity, sustainable use of its components and fair and equitable sharing of benefits arising out of the use of biological resources;
- (g) recommend creation of posts and mode of recruitment of such posts to the State Government for effective discharge of the functions by the Board;
- (h) prepare annual budget of the Board incorporating its own receipts as also devolution from the Central and State Government and NBA;
- (i) report to the State Government and the NBA about the functioning of the Board and implementation of the Act;
- (j) recommend, prescribe, modify, and collect fees of biological resources from time to time;
- (k) sanction grant-in-aid and grants to the BMCs for the specific purposes;
- (l) undertake physical inspection of any area within its jurisdiction in connection with the implementation of the Act;
- (m) organize through mass media a comprehensive programme regarding conservation of biodiversity, sustainable use of its components and fair and equitable sharing of benefits arising out of the use of biological resources;
- (n) plan and organize training of personnel engaged or likely to be engaged in programmes for the conservation of biodiversity and sustainable use of its components;

- (o) take steps to build up database and to create information and documentation system for biological resources and associated traditional knowledge through biodiversity registers and electronic data bases to ensure effective management, promotion and sustainable uses;
- (p) co-ordinate the activities of the Biodiversity Management Committee and
- (q) strive to integrate biodiversity and biodiversity dependent livelihoods into all sectors of planning from local to State, to enable such sectors and administrative levels to contribute effectively for conservation and sustainable use.



2. COMPOSITION OF THE BOARD AND STAFF

2.1 Organization Structure



2.2 Details of Board Members

The HSBB was reconstituted by the State Government vide Notification dated 12.09.2019: -

Sr. No.	Name & Designation	Post
1.	Mr. G. K. Ahuja, IFS, PCCF (Retd.)	Chairman
2.	Principal Chief Conservator of Forests (HoFF)	Member
3.	Director General, AYUSH Dept.	Member
4	Director General, Agriculture & Farmers Welfare Dept.	Member
5	Director General, Animal Husbandry & Dairying Dept.	Member
6.	Director General, Horticulture Dept.	Member
7.	Director, Forest Research Institute, Dehradun or its nominee	Member
8.	Director, Wildlife Institute of India, Dehradun or its nominee	Member
9.	Director, National Bureau for Plant Genetic Resources, New Delhi or its nominee	Member
10.	Director, National Bureau for Animal Genetic Resources, Karnal or its nominee	Member
11.	An IFS Officer of Rank not below APCCF/PCCF	Member Secretary



3. STAFF STRENGTH OF THE BOARD DURING 2021-22

3.1 Permanent staff (on deputation)

Sr. No.	Designation	Sanctioned	Working
1.	Sh. Vineet Kumar Garg, IFS w.e.f. 01.02.2021	1	1
2.	Member Secretary Sh. Ghanshyam Shukla, IFS w.e.f. 17.09.2021	1	1

3.2 Temporary / Contractual Staff

The following staff was continued/ engaged on contract through outsourcing policy of the government:

Sr. No.	Designation	Engaged	Working
1.	Scientific Officers	2	2
2.	Superintendent	1	1
3.	Clerks	6	6
4.	Drivers	2	2
5.	Peons/ Chowkidar/Sweeper	4	4
6.	District Coordinators	22	22

Sh. Sunil Kumar, Clerk joined HSBB in the month of July, 2020 on deputation from Haryana Forest Development Corporation (HFDC).

4. MEETINGS CONDUCTED

4.1. Board Meeting

8th Meeting was held on 29.11.2021 in the Committee Room of HSBB, Panchkula



MINUTES OF THE 8TH MEETING OF HARYANA STATE BIODIVERSITY BOARD HELD ON 29.11.2021 AT 11.00 AM

The 8th Meeting of Haryana State Biodiversity Board was held under the Chairmanship of Sh. Vineet Kumar Garg, IFS, Chairman, HSBB in the Committee Room of HSBB on 29.11.2021 at 11.00 AM.

The list of Members who attended the meeting is annexed at Annexure-A.

Sh. Ghanshyam Shukla, IFS, Member Secretary, HSBB welcomed all the Members of the Board.

Agenda wise discussion was held and following decisions were taken:

Agenda Item No. 1: To Confirm the Minutes of the 7th Meeting of the Board.

The Minutes of the 7th Meeting of the Board had been sent to all the Members vide office letter dated 01.03.2021. No comments have been received. Action Taken Report on the 7th Meeting of the Board was presented. The Board confirmed the Minutes and Action Taken Report on the Agenda Item No. 1 to 10 of the 7th Meeting of the Board held on 25.02.2021.

Agenda Item No. 2: To approve the Balance Sheets of HSBB for the years 2018-19, 2019-20 & 2020-21.

The Balance Sheets for the financial years 2018-19, 2019-20 and 2020-21 of Haryana State Biodiversity Board were presented before the Members of the Board. These Balance Sheets were explained to the Members by the Chairman, HSBB.

The Board approved the Balance Sheets of HSBB prepared by the Chartered Accountants for the years 2018-19, 2019-20 and 2020-21.

Agenda Item No. 3. To take note of the Audit of Accounts of HSBB.

As per Section 34 of the Biological Diversity Act, 2002, the Audit of Accounts of HSBB has to be done by Principal Accountant General (PAG) of the State. The PAG, Haryana has not so far done Audit of Accounts of HSBB.

The Board hired the services of M/s Minocha and Minocha & M/s Jolly Associates, Chartered Accountants (CA) to conduct Audit of Accounts of HSBB for the financial years 2018-19, 2019-20 and 2020-21. The firms conducted Audit of Accounts and submitted the Audit Reports for these years, which are to be submitted to the Government and PAG, Haryana.

The CA presented the Audit Reports before the Members of the Board. The Board approved the Audit Reports of HSBB for the financial years 2018-19, 2019-20 and 2020-21.

Agenda Item No. 4: To take note of the engagement of a Scientific Officer (Contractual Basis).

The Board approved the engagement of Sh. Prakash Mehta to the post of Scientific Officer.

During discussion, the Member Secretary, HSBB informed the Members that a Representation has been submitted by Sh. Prakash Mehta regarding upgradation of his post to the rank of Senior Scientific Officer, enhancement of his honorarium to the tune of Rs.1,00,000/- per month and extend his Contract initially for three years.

In this regard Dr. V.P.Uniyal, WII, Dehradun stated that the officer has joined HSBB 4-5 months earlier and his contract is already upto August, 2022, so there is no need to extend it for three years. Other Members were of the view that we should follow the rules/ regulations/ policies of the State Government regarding extension in tenure, enhancement in honorarium, upgradation of post as Senior Scientific Officer. The Members also advised that Annual Increments may be considered for all the officers/ officials of the Board. In this context the Member Secretary informed the Board Members that one retired HFS officer from Forest Department, Haryana is also working as Scientific Officer in HSBB. The Members had been informed that Smt. Ruchi Kaushal, Scientific Officer having an experience of more than 20 years was given Rs.85,000/- as honorarium per month.

After thorough discussion, the Board decided to enhance the honorarium to be given to Sh. Prakash Mehta from Rs. 45,000/- to Rs.60,000/- per month and also to extend the contract period from one year to three years. The issue regarding upgradation of his post was kept pending.

Agenda Item No. 5: To take note of the recovery of an amount of Rs. 2,03,585 /- from Himalayan Institute of Sustainable Environment & Research Society, Dehradun.

The Members of the Board approved the proposal of recovery of Rs.1,38,585/- from Himalayan Institute of Sustainable Environment & Research Society (HISERS), Dehradun (Technical Support Group) against the recovery of Rs. 2,03,585/- as full and final.

Agenda Item No. 6: To take note of the recovery of Rs.13,60,220 from Wildlife Institute of India, Dehradun.

The Member Secretary, HSBB informed the Members of the Board that an amount of Rs. 13,60,220 was to be recovered from Wildlife Institute of India, Dehradun whereas WII has deposited Rs.11,42,166/- in the accounts of the Board and a balance of Rs.2,18,034 is still to be recovered from the Institute. WII has submitted the Statement of Expenditure but has not explained about the excess amount spent.

After discussion, this issue was deferred for the next meeting.

Agenda Item No.7: To take note of Token Diwali Gift to employees / contractual Employees of HSBB.

The Board approved Diwali Gifts @ Rs. 525 for the year 2020-21 and Rs.1000/- for the year 2021-22 to the employees of the Board. The Board also approved honorarium of Rs.5000 to Rs.9000 to the officers/ officials of HSBB for the current financial year.

The Board also approved an expenditure of Rs.12,705/- incurred on sweets distributed to the staff of HSBB on the occasion of Diwali.

Agenda Item No.8: To take note of Workshop on Skill Development on Biodiversity Documentation & Preparation of PBRs.

A 2 Days Workshop on Skill Development on Biodiversity Documentation & Preparation of PBRs was held in Conference Hall of PWD Rest House at Panchkula on 21 & 22.10.2021 in which Experts/ Resource Persons of different fields from reputed Institutions/ Universities/ Departments were invited to deliver their lectures and impart PBR Format wise training to TSGs/ District Coordinators to facilitate them to improve the quality of PBRs. The Experts/ Resource Persons were provided Boarding & Lodging, TA & DA, Honorarium, Transportation etc. An expenditure of Rs.7,85,000/- was incurred on the arrangements of this Workshop.

The Board approved the expenditure of Rs.7,85,000/- incurred on the Workshop held on 21 & 22.10.2021. The Members desired that more such Workshops should be held for skill development of all the stakeholders.

Agenda Item No.9: Revision of Rates for preparation of PBRs.

The Technical Supports Groups (TSGs) had been engaged to prepare People's Biodiversity Registers (PBRs) of Gram Panchayats, Zila Prishads, Municipal Committees at a cost of Rs.25,000/- per PBR. Due to COVID-19 pandemic situation, this amount was reduced from Rs.25,000/- to Rs.20500/-. The TSGs represented to HSBB in this regard and requested to enhance the cost of preparation of one PBR in view of cost of Rs. 1,00,000/- per PBR fixed by NBA.

The Board approved the proposal of HSBB to restore the previous amount of Rs.25,000/- per PBR.

Agenda Item No.10: Any other agenda with the permission of the chair.- Strengthening of HSBB.

An additional Agenda regarding engagement of Technical Menpower at HSBB Headquarter and also in field in order to strengthen the HSBB was placed before the Members of the Board.

The Board approved engagement of Technical Menpower with specialization in Agriculture, Botany, Zoology, Law, Finance/ Accounts, ABS, IT, Education/Awareness & Computer Operators at the Headquarters and 4 Regional Coordinators in the Field for better implementation of the provisions of the Biological Diversity Act, 2002 and for strengthening of the Board.

The Board also approved dis-engagement of less performing District Coordinators and engagement of suitable candidates as their replacement.

The meeting ended with a vote of thanks to the Chair.

Annexure-A

LIST OF OFFICERS WHO ATTENDED 8th MEETING OF HARYANA STATE BIODIVERSITY BOARD HELD ON 29.11.2021 AT 11.00 AM

S.No.	Name of Officer	Designation	Name of department/ organization	Attended in person/ virtual
1.	Sh. Vineet Kumar Garg, IFS	Chairman	HSBB	In person
2.	Sh. Ghanshyam Shukla, IFS	Member Secretary	HSBB	In person
3.	Sh. Ram Sandial	Auditor	Jolly Associate	In person
4.	Dr. Manoj Kumar	Joint Director	Horticulture	In person
5.	Dr. Anil Kumar	Dy. Director	Agriculture & FW	In person
6.	Dr. Narender Thukral	Under Secretary	Animal Husbandry & Dairying	In Person
7.	Dr. Anup Chandra	Representative	FRI, Dehradun	Virtual
8.	Dr. Madhu Tania	Representative	Director NBAGR, Karnal	Virtual
9.	Dr. Kailash Bhatt	Director	NBPGR, New Delhi	Virtual
10.	Dr. V.P. Uniyal	Scientist -G	WII, Dehradun	Virtual
11.	Dr. Kulwinder Singh, HFS	DFO (Hqrs.)	Forest	In person
12.	Dr. Pratiksha Bhatia	DAO (Hqr.)	AYUSH	In person
13.	Sh. Prakash Mehta	Scientific Officer	HSBB	In person



4.2. Review Meetings of State Level PBR Quality Monitoring Committee (SLPBRQMC)

7 Review Meetings (2 internal and 5 meetings with TSGs) of State Level PBR Quality Monitoring Committee were held under the Chairmanship of Dr. G.V. Reddy, IFS (Retd.), Chairman, SLPBRQMC to review the progress of preparation of PBRs. The SLPBRQMC have also visited few districts to assess the quality of PBRs being prepared by the TSGs.



Review Meeting by SLPBRQMC on 12.01.2022



Review Meeting by SLPBRQMC on 28.02.2022

4.3. Review Meetings of HSBB with TSGs

Review Meetings with Technical Support Groups (TSGs) were held in the month of October, 2021, November, 2021, December, 2021 and January, 2022 under the Chairmanship of Sh. Vineet Kumar Garg, IFS, Chairman, HSBB to review the progress of PBR preparation, Training imparted to BMCs and opening of Bank Accounts of BMCs and other related issues during the year 2021-22.



Review Meeting with NH Consulting Pvt. Ltd., New Delhi on 27.12.2021



Review Meeting with Maaty Biodiversity Conservation & Societal Research Organization, Dehradun on 30.12.2021



***Review Meeting with Datamation Consultants Pvt. Ltd., Gurugram
on 17.11.2021 and 29.12.2021***



***Review Meeting with Chhavi Charitable Society, Bhiwani on 29.11.2021
and 20.01.2022***



***Review Meeting with Everain Global Services Pvt. Ltd., New Delhi
on 28.12.2021***



Review Meeting with Society for Promotion and Conservation of Environment, Chandigarh on 30.12.2021



Review Meeting with The University of Trans-disciplinary Health Sciences and Technology, Bangaluru on 31.12.2021



5. MAJOR ACHIEVEMENTS

5.1 Constitution of State Level PBR Quality Monitoring Committee

Haryana State Biodiversity Board got State Level PBR Quality Monitoring Committee constituted by the State Govt. vide ACS to GoH, Forest & Wildlife Department office order Endst. No. 971-Ft.-1-2021/1610 dated 23.04.2021. The copy of the order regarding constitution of the Committee and Guidelines for this Committee is as below:

**GOVERNMENT OF HARYANA
FORESTS AND WILDLIFE DEPARTMENT**

ORDER

The Governor of Haryana is pleased to constitute a Monitoring Committee to oversee the quality of Peoples Biodiversity Registers (PBRs) with the following members:-

Sr. No.	Name of Person	Retired as	Designation in the proposed Committee
1	Dr. G.V. Reddy, IFS	PCCF (HoFF), Rajasthan and Chairman, Rajasthan SBB	Chairman
2	Dr. Ram Chand	ADG (Retd.) ICAR, HQ, New Delhi	Member
3	Ms. Sharda Gupta	Ex. Professor of Botany and Dean, Life Sciences, KUK, Kurukhetra	Member
4	Dr. Samunder Singh	Retd. Professor and Head, Agronomy, CCS, HAU, Hisar	Member
5	Member Secretary, HSBB		Member Secretary

2. The Term of Reference of the above Committee will be as below:-
- To oversee the quality of PBRs on sample basis by evolving a suitable mechanism.
 - To interact with relevant stakeholders who are involved in the preparation of PBRs or as it deems fit.
 - To advise State Government/HSBB on technical, techno-legal, administrative, financial, scientific, statutory and miscellaneous matters.
 - To submit report to HSBB every three months.
3. The tenure of the Committee shall be for a period of two years. The State Government/HSBB shall amend the TORs, if needed. The guidelines for the Committee shall be as referred to in Annexure-I.

Chandigarh, dated
the

Dr. G. Anupama
Principal Secretary to Government of Haryana,
Forests and Wildlife Department.

Endst. No. 971-F1-1-2021/ 1610

Chandigarh, Dated the 23-04-2021

A copy of the order is forwarded to the following for information and necessary action:-

- ✓ Chairman, Haryana State Biodiversity Board, SCO No. 206, 2nd Floor, Sector-14, Panchkula.
- Member Secretary, Haryana State Biodiversity Board, SCO No. 206, 2nd Floor, Sector-14, Panchkula.
- Principal Chief Conservator of Forests (HoFF), Van Bhawan, Sector-6, Panchkula.
- All members of the Committee.


Superintendent
for Principal Secretary to Government of Haryana,
Forests and Wildlife Department.

GUIDELINES

The following guidelines are issued for proper conduct of the meeting of the State level PBR Quality Evaluation Monitoring Committee to achieve the expected outcomes:-

1. The Committee is constituted mainly to advise State Government/HSBB on technical, techno-legal, administrative, financial, scientific, statutory and miscellaneous matters. The role of the Committee is more or less similar to that of "*Amicus Curiae*" in the Court of Law.
2. The Chairman/Member Secretary of the Committee is empowered to invite/seek opinion of experts/special invitees, academicians and others as they deem it fit.
3. The Chairman and members are requested to kindly make it convenient to attend the meetings at fixed venue and time.
4. The cost of travel will be paid as per Government of Haryana guidelines.
5. The Chairman of the committee will be entitled for an amount of Rs. 6,000/- as sitting fee per day. Members and other invitees will be entitled for an amount of Rs. 4,000/- as sitting fee per day.
6. The Committee is required to submit a Quarterly Report to the HSBB duly authenticated by all the members.
7. The committee shall oversee the PBR preparation in accordance with the provisions of the Biological Diversity Act, 2002 and the Rules/Regulations/Guidelines framed thereunder.
8. The Chairman and members shall exchange notes and views on the subject matter to be discussed during the meeting/field visit. Given the sensitivity and nature of deliberations of the Committee, members are required not to engage in any bilateral discussion with non-members regarding the subject matter.


Superintendent
for Principal Secretary to Government of Haryana,
Forests and Wildlife Department.

5.2 Celebration of International Day for Biological Diversity -2021

The International Day for Biological Diversity was celebrated in the State with great enthusiasm on 22nd May, 2021. This year's theme was "We are part of solution #For Nature". This theme emphasized hope, solidarity and the importance of working together at all levels to build a future of life in harmony with nature.

Haryana State Biodiversity Board celebrated this day by organizing Essay writing, Quiz, Painting and Photography Competitions through virtual mode due to the prevailing COVID-19 pandemic situation all over the country at that time. Overwhelming response was received from the participants from all across the State and UT Chandigarh. Cash Prizes of Rs. 4000/- for 1st position, Rs. 3000/- for 2nd position and Rs. 2000/- for 3rd position have been awarded to Winners of the competitions of all events. In addition, Certificates for merit-cum-participation have also been sent to the winners at their residential addresses by registered post.



MESSAGE BY HON'BLE CHIEF MINISTER, HARYANA

On this day, Hon'ble Chief Minister, Haryana's message on the theme "We are part of the solution #For Nature" was got published in leading newspapers of English and Hindi.

22 MAY 2021 BIODIVERSITY DAY
अंतर्राष्ट्रीय जैव विविधता दिवस
International Day for Biological Diversity
22nd May, 2021

संदेश

श्री कान्वर पाल मुर्जरे
मुख्यमंत्री, हरियाणा

श्री मनोहर लाल
मुख्यमंत्री, हरियाणा

जैव विविधता का अविभाज्य हिस्सा में पड़ते जाने वाले विभिन्नता से है। मनुष्य जीवन में इसका अति महत्वपूर्ण स्थान है। इसका बिना पृथ्वी पर मानव जीवन की सम्पत्ति अभाव है। इस लिए इसका संरक्षण किता जल्द ही आवश्यक है। जैव विविधता हमारे जीवन, कृषि, औद्योगिक, मन-ईश्वर-जैव की आवश्यकताओं की पूर्ति के साथ-साथ पर्यावरण संरक्षण के लिए भी महत्वपूर्ण भूमिका अदा करती है। जगत में जैव विविधता प्रकृति की स्वाभाविक समृद्धि है और इसका दोहन, प्रकृति की रचना के सम्बन्ध है। अतः प्रकृति को नष्ट होने से बचाने के लिए जैव विविधता को संरक्षण प्रदान करना समय की बात से नहीं आसक्तकाल है।

विश्व में अब तक 14,36 लाख प्रजातियों की पहचान की जा चुकी है। लेकिन दुर्भाग्यवश हर वर्ष की अवधि लगभग 27,000 प्रजातियाँ प्रति वर्ष नष्ट हो रही हैं। अगर यही स्वरूप बनेगा तब तो विश्व की एक-दोहाई प्रजातियों का अस्तित्व सन् 2093 तक संभव हो जसिगा।

जैव विविधता क्षति पैदावार करने के साथ-साथ लोग रोजी औद्योगिक एवं कस्बों की विकास में बाधाक बनती है। इसी प्रकार जैव विविधता औद्योगिक की आवश्यकता की पूर्ति भी करती है। जैव विविधता पर्यावरण प्रदूषण के निवारण में भी सहायक होती है।

जैव विविधता की विविधता का सीधा साधा प्रकृति के जलवायु संसाधनों के अत्यधिक दोहन व ईको-सिस्टम के साथ निरन्तर करने से जुड़ा है। बढ़ती जनसंख्या के साथ-साथ जलवायु एवं जलसिंचित विकास से जलवायु बदलते जैसे बरफ, समुद्रतल प्रदूषण, ईको-सिस्टम से घेरावक एवं जलवायु परिवर्तन से जैव विविधता के संसाधन पर बहुत बुरा असर पड़ता है। वैज्ञानिकों के अनुमान

ईको-सिस्टम में मानवीय हस्तक्षेप और उसके अवक्रमण से जगती जैव जन्तुओं का अत्यधिक क्षय विस्तृत जाता है और मनुष्य जैव जन्तुओं को बहुत करीब आ जाता है। इससे जैव जन्तुओं से पाले जाने वाले अत्यधिक सावरण व बैक्टीरिया से मनुष्य को खतरा हो जाता है। विज्ञानियों का मतना है कि कोविड-19 के जलवायु होने का सीधा साधा जैव विविधता के नष्ट होने से जुड़ा है क्योंकि बैक्टीरियों का फैलना ईको-सिस्टम व उसमें बसे जैव जन्तुओं के साथ निरन्तर करने का ही परिणाम है।

इस वर्ष अंतर्राष्ट्रीय जैव विविधता दिवस का थीम "We are part of the solution" रहा गया है जो हमें याद दिला है कि प्रकृति के साथ निरन्तर न किता जल्द ही सभी समस्याओं का समाधान हमें प्रकृति में ही मिल जाता है। हम सभी के सहयोग से ही जैव विविधता का संक्षण संभव है।

आज के समय में कोविड-19 मनुष्यों को जलवायु करने के लिए यह बताती है कि प्रकृति के साथ निरन्तर न करके प्रकृति के साथ सभी सम्बन्ध स्थापित करने में ही मनुष्यता की बचाई है।

मुझे इस बात का हर्ष है कि लगातार दुर्घने वर्ष जलवायु के कारण हरियाणा राज्य जैव विविधता बर्त अंतर्राष्ट्रीय दिवस मनाने हेतु विभिन्न प्रकार के कार्यक्रम आयोजित करके प्रकृति के साथ अच्छे सम्बन्धों को जलवायु करने में प्रयासरत है।

मैं इस अवसर पर हरियाणावासियों को अपनी हार्दिक शुभकामनाएं देता हूँ।

22 मई, 2021

मनोहर लाल
मुख्यमंत्री, हरियाणा



PAINTING COMPETITION



PHOTOGRAPHY COMPETITION

ESSAY COMPETITION

"Role of Mankind in Degradation and Also in Conservation of Biodiversity-as We Are Part of Solution"

Biodiversity refers to the variety of life forms that exist on Earth. It is the foundation of all ecosystems and the source of many of the services that we rely on. However, human activities have led to a significant loss of biodiversity, and this is a major threat to the sustainability of our planet. The loss of biodiversity can have serious consequences for the environment and for human health. It can lead to the extinction of species, the degradation of ecosystems, and the loss of genetic diversity. This is a global problem that requires urgent action. We must take steps to protect biodiversity and to restore the natural world. This is our only chance for a sustainable future.

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IDB 2021 - WE ARE PART OF THE SOLUTION #FOR NATURE

Report on the Competitions held on Virtual mode

International Day for Biological Diversity is celebrated every year on 22nd May. Haryana State Biodiversity Board celebrated this Day on 22.05.2021 with great fervor. Due to the current COVID-19 pandemic situation all over the country, it was decided that the occasion will be marked by engaging the children and youth of Haryana and Chandigarh by organizing various Competitions- Essay writing, Quiz, Painting and Photography on an online mode. In this regard an Advertisement was published in leading Hindi and English newspapers on 12.05.2021 for wide publicity so that maximum school, college students and general public could participate in these competitions. The competitions were held on 17.05.2021. Online links were provided to the participants on the Board's website.

The Board received an overwhelming response and entries from the school, college students and general public. To evaluate the entries and to ensure fair selection of the winners for all the competitions, Selection Committees were constituted with subject matter experts. Cash prizes were announced to enthuse the participants. The cash prizes have been distributed to all the winners and the amount has been transferred into their bank accounts directly and a certificate of participation-cum-merit has also been sent to all the participants. The result of all the competitions held is given below:

1. Name of winners of Quiz Competition

Sr. No.	Name of Participants	Position
1.	Raghav Kashyap	1 st
2.	Gitik	1 st
3.	Mayank	1 st
4.	Ritika	1 st
5.	Yukt Sharma	2 nd
6.	Saurav Suhag	3 rd

2.1 Name of winners of essay competition (English)

S. No.	Name of Participants	Position
School Category		
1.	Moksh	1 st

College Category		
1.	Asha	1 st
2.	Gaurav Suhag	2 nd
3.	Navita Singh	3 rd
4.	Deepak	3 rd
Open Category		
1.	Pratibha	1 st
2.	Sonu Kumar	2 nd
3.	Ana Kamari	3 rd

2.2 Name of winners of essay competition (Hindi)

S. No.	Name of Participants	Position
School Category		
1.	Sanjeev	1 st
College Category		
1.	Nirmala	1 st
Open category		
1.	Mamta Rani	1 st
2.	Monika	2 nd

3. Name of winners of Photography competition

S. No.	Name of Participants	Position
1.	Kadun Chugh	1 st
2.	Saurav Suhag	2 nd
3.	Moksh	3 rd

4 Name of winners of Painting competition

S. No.	Name of Participants	Position
1.	Anchal Gupta	1 st
2.	Swati Soni	2 nd
3.	Shilpa Verma	3 rd

5.3 Inception Workshop for Preparation of Haryana State Biodiversity Strategy and Action Plan (HR-SBSAP) 2021

India is a mega diverse country harboring nearly 7-8% of all recorded species including over 45000 species of plants and 91,000 species of animals on only 2.4% of the world's land area. It has a long history of working for conservation of its unique biodiversity with multi-stakeholder participation. Ministry of Environment, Forest and Climate Change (MoEF&CC), GoI has formulated National Biodiversity Action Plan (NBAP) harmonizing it with global Strategic Plan for Biodiversity adopted under the aegis of Convention on Biological Diversity (CBD). Using this Strategic Action Plan as a framework, GoI has developed 12 National Biodiversity Targets (NBTs) and associated indicators and monitoring framework. In order to meet the NBTs, it is mandatory that an effective, participatory and updated NBAP is made operational at different levels of governance. In this context, each State/UT is required to prepare its own State Biodiversity Strategy and Action Plan in alignment with the updated NBAP.

The Haryana State Biodiversity Board has collaborated with Wildlife Institute of India for preparation of the State Biodiversity Strategy and Action Plan.



Group photo

Proceedings of Workshop
on
**Preparation of Haryana State Biodiversity Strategy and Action Plan
(HR-SBSAP) 2021**

Organized by
**Wildlife Institute of India, Dehradun
&
Haryana State Biodiversity Board, Panchkula**

Introduction to HR-SBSAP

India is a mega diverse country harbouring nearly 7 - 8% of all recorded species including over 45000 species of plants and 91,000 species of animals on only 2.4% of the world's land area. It has a long history of working for conservation of its unique biodiversity with multi-stakeholder participation. As a party to the Convention on Biological Diversity (CBD), Government of India, developed a National Policy and Macro Level Action Strategy on Biodiversity in 1999 within five years of ratifying the CBD. Following India's adoption of the National Environment Policy in 2006, a National Biodiversity Action Plan (NBAP) was prepared by updating the 1999 document of the Ministry by using the final technical report of the NBSAP project, in order to achieve consonance between the NBAP and the NEP 2006. Government of India approved India's NBAP, formulated through a comprehensive inter-ministerial process, in 2008 (<http://nbandia.org/uploaded/BiodiversityIndia/NBAP>). In 2013 - 14, India undertook the process of updating the NBAP in order to harmonize it with the global Strategic Plan for Biodiversity 2010-2020 and the Aichi Biodiversity Targets, adopted under the aegis of CBD in 2010. Currently, Government of India, through the Ministry of Environment, Forest and Climate Change (MOEFCC) is actively

pursuing the achievement of these targets. In order to meet the NBTs by 2020, it is mandatory that an effective, participatory and updated NBAP is made operational at different levels of governance. In this context, various States and Union Territories are required to prepare their own State Biodiversity Action Plans in alignment with the updated NBAP and implement the activities envisaged under these plans. The Haryana State Biodiversity Board has sought the help of Wildlife Institute of India, to prepare the State Biodiversity Strategy and Action Plan of the State. Wildlife Institute of India would like to develop the Project Proposal for the preparation of SBSAP of Haryana State. The primary aim of the project is to develop the Haryana SBSAP in consultation with the all relevant departments and agencies of the Government of Haryana. State Biodiversity Strategy and Action Plan of Haryana would be prepared as per objectives of Convention on Biological Diversity and mainstreaming of biodiversity in all sectors of the Government of Haryana. The document will be made as per guidelines of India's Biological Diversity Act, 2002 and India's Biological Diversity Rules 2004 of the National Biodiversity Authority, Ministry of Environment, Forest and Climate Change, Govt. of India.

Strategy to formulate Biodiversity Action Plan: An Overview

Biodiversity Action Plan (BAP): A Biodiversity Action Plan (BAP) provides guidance in designing and implementing concrete practices on sustainable use and conservation of biodiversity when growing and sourcing natural raw materials.

Purpose: To provide guidance on how to formulate and implement a Biodiversity Action Plan, including measures for biodiversity in all the ecosystems, to improve the sustainable use and conservation of biodiversity.

Structure: These guidelines contain three sections:

- i. **Biodiversity Action Plans** - Describes what a BAP is, different scopes it might have, the key content it should include, the main roles and responsibilities it should assign, and the adaptive management approach it follows.
- ii. **BAP Content** - Baseline information, Goal & Targets, Measures, Work plan, M&E System.
- iii. **BAP Process** - The steps to be taken when formulating a BAP: (i) conducting a baseline assessment, (ii) setting goals, targets and possible measures, (iii) selecting and planning resources at ecosystem level, (iv) designing a M&E system, and (v) integrating the BAP, as well as some considerations and responsibilities to be considered when implementing the BAP.

Biodiversity Components: Biodiversity has different components. A BAP can address some or all of them.

- **Genetic diversity** - The diversity of material of plant, animal, microbial or other origin containing functional units of heredity.
- **Species diversity** - The diversity of plants, animal, microbial and other organisms with the same genetic composition.
- **Ecosystems and habitat diversity and conditions** - Diversity and status of ecosystems (community of organisms and their physical environment interacting together, including forests, wetlands and mountains) and habitats (place where species and populations naturally occur, including below land, bedges, creeks and trees).
- **Conditions of natural resources** - Status of water and soil.

Action Areas:

- Conservation of biodiversity
- Sustainable use of biodiversity
- **Approaches:** Reducing negative impacts- Negative impacts include all drivers of Biodiversity loss.
- **Promoting positive impacts** - Positive impacts include all drivers of biodiversity restoration, maintenance and promotion.

Areas of intervention: On Farms & in landscape.

Workshop for Preparation of Haryana State Biodiversity Strategy and Action Plan (HR-SBSAP) 2021

July 30, 2021

Time	Topic	Details
10:00-10:30	Registration	
10:30-11:00	Welcome and Opening remarks	Sh. Vinod Kumar Garg, IFS Chairman, HSSB
11:00-11:15	Introductory Remarks	Sh. V. S. Tarwar, IFS PCCF (H&F), Haryana
11:15-11:30	Overview of HR-SBSAP	Dr. V. P. Uniyal Scientist - G, WII
11:30-11:45	Inaugural Speech	Dr. G. Anupama, IAS PS to GoH, Forest & Wildlife Department (Chief Guest)
11:45-12:00	Tea Break and Group Photo	
SESSION I		
Chairman: Sh. V.S. Tarwar, IFS, PCCF Rapporteur: Dr. Mona Chauhan		
12:00-12:45	Input on HR-SBSAP Status of Forests and Wildlife in Haryana	Sh. Jagdish Chander, IFS PCCF (WL), Haryana
12:45-13:30	Input on HR-SBSAP Status of Biodiversity in Animals	Sh. M. D. Sinha, IFS PS to GoH, Tourism Department

Time	Topic	Details
12:30-14:15	Input on HR-SBSAP-Status of Animal Husbandry and Dairying	Dr. V.S. Rathwa Deputy Director, Animal Husbandry & Dairying Department
14:15-14:30	Input on HR-SBSAP-Status of Agriculture	Dr. Rohitash Singh Additional Director, Agriculture Department
14:30 - 15:00	Lunch Break	
Session II		
Chairman: Sh. Jagdish Chander, IFS, PCCF (WL)		
Rapporteur: Sh. Vikram Delu		
15:00-15:30	Input on HR-SBSAP-Status of Environment	Dr. R.K. Chaudhan Joint Director, Department of Environment
15:30-16:00	Input on HR-SBSAP-Status of BMO(s) in Haryana	Dr. S. S. Grewal President, SPACE
16:00-16:30	Input on HR-SBSAP-Status of Fisheries	Dr. Ishwar Singh Deputy Director, Fisheries Department
16:30-17:00	Input on HR-SBSAP-Status of Horticulture	Sh. Manoj Kundra Joint Director, Department of Horticulture
17:00-17:20	Wrap-up: Open Discussion & Closing Remarks	Sh. Jagdish Chander, IFS Sh. Vineet Kumar Garg, IFS
17:20-17:30	Vote of Thanks	Sh. Gurmeet Singh SO, HSSB

Inaugural Session



- Sh. Vineet Kumar Garg, IFS, Chairman, HSSB, and Dr. V. P. Uniyal Scientist – G, WII welcomed Chief Guest, Dr. G. Anupama, IAS, Principal Secretary to Govt. of Haryana, Forest & Wildlife Department, all senior Officers of Forest & Wildlife and other line departments.
- Workshop was inaugurated by Dr. G. Anupama, IAS, Principal Secretary to Govt. of Haryana, Forest & Wildlife Department.
- Sh. Vineet Kumar Garg, IFS, Chairman, HSSB on behalf of HSSB, welcomed all the participants and highlighted the biodiversity of state, status of Biodiversity Management Committee and guidelines to formulate Haryana State Biodiversity Strategy and Action Plan.



- Sh. V.S. Taneer, IFS, PCCF (H&FF), Haryana gave introductory remarks on sustainable use of biodiversity and its conservation. He focused on Ecoregion and landscape level problems related to biodiversity and other sectors dependent on the same for ex: livelihood, health, food security, water security etc. He stressed that these issues should be discussed in the SBSAP and should be aptly documented and actions should be framed accordingly to address the issues of biodiversity conservation and the co-benefits generated out of the same.



- Dr. G. Anupama, IAS, Principal Secretary to Govt. of Haryana, Forest & Wildlife Department requested all the line departments, stakeholders to contribute in full capacity for the preparation of Haryana State Biodiversity Strategy & Action Plan (HR-SBSAP). She highlighted that a comprehensive and convergent Community Action Plan should be made by involving the lowest elective unit i.e., Panchayat/Biodiversity Management Committee to the highest administrative unit including all the line departments. She advised, WII and HSSB officials to include Haryana Pond and Waste-Water Authority, and State-Wetland Authority in preparation of State Biodiversity Strategy & Action Plan (HR-SBSAP).



- Dr. V. P. Uniyal, Scientist - G, Wildlife Institute of India, on behalf of implementing agency of this project, delivered a detailed presentation on guidelines, strategies, role of stakeholders and future Workshop schedule for the preparation of Haryana State Biodiversity Strategy & Action Plan (HR-SBSAP).
- He highlighted the strength of WII on various aspects like biodiversity conservation through implementing biodiversity related policies and programmes of Government of India in collaboration with National Biodiversity Authority (NBA) from long time, UNDP Biodiversity Finance Initiative (BioFIN) Project from 2015 in collaboration with MoEFCC, NBA and successfully submission of the India's Fifth National Report to CBO in 2014. WII was instrumental in developing the National Biodiversity Targets (NBT) and updation of National Biodiversity Action Plan (NBAP) in 2014, he added.
- Dr. Uniyal also stated that Haryana state will be divided into four divisions according to Forest Circles and four consecutive Workshops will be organized to gather baseline information for the preparation of HR-SBSAP.
- Furthermore, he requested all dignitaries participating in the Workshop for future contribution from all line departments for preparation of HR-SBSAP.

Strength of Wildlife Institute of India (WII) for the Proposed Activities

- WII has been involved in biodiversity conservation through implementing biodiversity related policies and programmes of Government of India in collaboration with National Biodiversity Authority (NBA) from long time.
- WII has successfully submitted the India's Fifth National Report to CBD in 2014 and was instrumental in developing the National Biodiversity Targets (NET) and updation of National Biodiversity Action Plan (NBAP) in 2014.
- WII has also been working in the UNDP Biodiversity Finance Initiative (BIOFIN) Project from 2015 in collaboration with MoEFCC and NBA. Currently, WII is working on following projects related to biodiversity:
 - ❖ WI-UNDP Biodiversity Finance Initiative (BIOFIN) Project
 - ❖ Preparation of Meghalaya State Biodiversity Strategy and Action Plan
 - ❖ Preparation of Assam State Biodiversity Strategy and Action Plan
 - ❖ Preparation of Uttar Pradesh State Biodiversity Strategy Action Plan (In Progress)
 - ❖ Preparation of Haryana State Biodiversity Strategy Action Plan (In Progress)

Methodology for implementing HR-SBSAP

- Taking stock of the flora and fauna, current status and trends in biodiversity.
- Identification of the existing threats/pressures to biodiversity and ecosystem.
- Documentation of traditional knowledge and practices for conservation.
- Management of biodiversity, ecosystem services and natural resource governance.
- Preliminary mapping of priority thematic areas for developing the SBSAPs based on review of existing reports, policy documents and initial outcomes of status, trends and threat assessment.
- Appraisal of biodiversity relevant programme and schemes of sectoral line departments in priority thematic areas through review of policy documents and state appropriation accounts for multiple years.

Tentative workshop schedule

S.No.	Stakeholders	Workshop Dates and location details for workshop
1	State Line Departments	North Circle (10 - 15 August)
2	State Science and Technology Department	Central Circle (25 - 30 August)
3	State Planning Board	
4	State NGOs	
5	State Finance Department	West Circle (05 - 10 September)
6	State Universities, Research organizations	South Circle (15 - 20 September)
7	Panchayati Raj (BMCs)	



SESSION - I

Chairman of the session	: Sh. V.S. Tanwar, IFS, PCCF (HoFF), Haryana
Rapporteur	: Dr. Mona Chauhan
Agenda	: Input on HR-SBSAP-Status of different line Departments/Organizations/TSG

Input on HR-SBSAP	Speakers
Status of Forests and Wildlife in Haryana	Sh. Jagdish Chander, IFS PCCF (WL), Haryana
Status of Biodiversity in Aravallis	Sh. N.D. Sinha, IFS PS to Govt, Tourism Department
Status of Animal Husbandry and Dairying in Haryana	Dr. Virender Singh Rathore Deputy Director, AH&D Department
Status of Agriculture in Haryana	Dr. Rohitash Singh Additional Director, AFW Department

Presentation on Status of Forests and Wildlife in Haryana



Sh. Jagdish Chander, IFS, PCCF (WL), Haryana, gave detailed remarks on the current scenario of the biodiversity in Haryana. He also highlighted the threats rising due to invasive alien species in Aravalli, Shiwalik and other regions of Haryana. He focused on grassland ecosystem in southern part of Haryana and emphasized on their conservation. He discussed endangered plant species like *Salvadora oleoides*, *Terminalia chebula*, *Prosopis cineria*, *Ziziphus*, *Capparis decidua*, *Senegalia senegal*, *Butea monosperma*, currently facing habitat destruction and loss of genetic diversity. He also focused on habitat loss of some species like Chikabari Bikan from Rapra and Morri Hills, Mahseer, *Tor pultora*, and bee species *Apis dorsata* and *Apis cerana*. After that, he gave answers to the questions asked by Dr. S. S. Grewal on the loss of vegetation from the region and the threat arisen due to the invasive plant species *Lantana camara* on endemic plant species in Shiwalik region of Haryana. He answered that a detailed study is required to find out the negative impact of *Lantana* on plant communities and found it as a serious concern for the ecosystem as this plant has completely adapted to the climatic conditions of the region.

Natural Forest and Ecosystem of Haryana

- Transitional Shiwalik Sal Forests of Kalesar, Yamunanagar.
- Transitional Shiwalik Chir Forests of Morni, Panchkula.
- *Anogeissus pendula* forests of Jhir area in Firozpur - Zirka of Gurgaon District.
- *Terminalia chebula* forests of Mardhna Hathia - Udhon - Panchkula District.
- *Dendrocalamus strictus* or stick bamboo forests of Thalagarh- Pinjora - Panchkula District.
- *Salvadora oleoides* forests of Nirbi - Duloth, Mgrh with *Capparis sepiara* and *Acacia senegal* in Mahendergarh District.
- *Commiphora wightii* Gugal (endangered) forests of Madhogarh - Mahendergarh.
- *Sterculia urens* and *Senegalia Senegal* forests in Khol of Rewari District.
- Phoenix forest of Faridabad.
- *Prosopis cineraria*, *Tamarix arbusculata* forests of Sohlabudin - Mahendergarh district.
- Shiwalik Hill forests of *Anogeissus latifolia*, *Latanea coromandelica*.
- *Acacia catechu* in Panchkula and Yamunanagar.

Presentation on the Status of Biodiversity in Aravallis



Sh. M.D. Sinha, IFS, PS to Goh, Tourism Department, Haryana described the status and conservation issues in Aravallis region of Haryana and focused on the fact that the conservation of habitat is much more important than conserving species. In the agriculture dominated state like Haryana, forest cover has decreased drastically due to intensive agricultural practices and ever increasing human population and urbanization. He told that in 6 Districts of South Haryana, essentially it is only the Aravallis which constitute actual forest cover. Take out the Aravallis (which includes the PLPA areas) and there is exactly 4310 Ha. of actual Block Forests and this constitutes only 0.5 % of the Geographical Area of these 6 Districts.

He further discussed about a small patch of forest in the heart of cyber city Gurugram which are natural lungs of the city and shared success story of development of Chakkarpur Ghata Wazirabad Bundh under PPP model with the help of local organizations, women and volunteers. Urban landscape management focusing on urban biodiversity is the need of the hour for Indian cities and this must be kept in mind while preparing SBSAP, he added.

Sr. no.	State Forest Profile	Area in Ha.
1.	Geographical Area of State	44 Lakh Ha.
2.	Block Forests	59654 Ha.
3.	Strip Forest	83765 Ha.
4.	PLPA	29682 Ha.
5.	Others	2703 Ha.
6.	Total Recorded Forest Area	1.75 Lakh Ha. (3.9%)

Presentation on status of Animal Husbandry and Dairying



Dr. Virender Singh Rathore, Deputy Director, A H & D, Department, Haryana, delivered a detailed account on the present status of animal husbandry, milk and meat production, contribution in GDP of Haryana by the department, institutions, schemes and achievements. He told that Haryana is 2nd largest state in Per Capita milk availability, 5th largest Egg Producer State, 6th largest Poultry Meat Producer State in country. It contributes 41% in Agriculture and 5.1% in state GDP. He also discussed the breed of buffaloes, cattle, poultry and sheep with special emphasis on the famous buffalo breed Murrah. He highlighted, veterinary facilities in the state with Artificial Insemination (AI) program, vaccination program and other beneficial schemes for the dairy farmers. He further added that department and Lala Lajpat Rai University of Veterinary & Animal Sciences (LUVAS), Haryana are working to strengthen research facilities with aiming to conservation and development of indigenous breeds of livestock and their sperm storage facilities. He ensured the participation of the department for the preparation of HR-SBSAP.

Animal Husbandry and Dairying Data Statistics

Annual Milk Production in Haryana (2019-20) :	117.37 Lakh tonnes
Per Capita Milk Availability (2019 - 20) :	1142 gm/day
Daily milk production in Haryana (2019 - 20)	2.94 crore litres
Daily domestic consumption of milk in Haryana (60%)	1.18 crore litres
Surplus marketable milk (60%)	1.76 crore litres/day
Milk procurement in organized sector (25% of marketable surplus milk)	0.44 crore litres/day
Milk procurement in un-organized sector (75% of marketable surplus milk generally procured by Dudhies & Halwais)	1.32 crore litres/day
Annual Egg Production (2019 - 20)	66123 lakh eggs
Annual Poultry Meat Production (2019 - 20)	5.40 lakh tonnes

Livestock Population			Institutions	
Sr.No.	Particular	Figures		
1	Livestock Population (in Lakhs)	71.28	Govt. Veterinary Hospitals	1342
2	Buffaloes Population (in Lakhs)	43.77	Govt. Veterinary Dispensaries	1818
3	Cattle Population (in Lakhs)	19.32	Polyclinics	3
4	Sheep (in Lakhs)	2.89	Seamen Production Stations	5
5	Goat (in Lakhs)	3.38	Seamen Banks	19
6	Pigs (in Lakhs)	1.08	Govt. Livestock Farms	1
7	Total Livestock (in Lakhs)	71.28	Bull Breeding Farm	1
8	Poultry	428.21	Pol. Animal Medical Centre cum Teaching Hospital	1
			Haryana Veterinary Vardha Mahatma	1
			Trainers Training Institute	1
			Dist. Diagnostic Labs	22
			Total	2875

Presentation on the status of Agriculture



Dr. Rohitash Singh, Additional Director, Agriculture, gave brief remarks on the status and schemes of the agriculture department for the welfare of the farmers in the state. He further discussed about the schemes like Pradhan Mantri Fasal Bima Yojana (PMFBY) on crop insurance, drip system in semi-arid regions and 'Mera Pasi Meri Virsaal' to motivate farmers to grow other crops instead of paddy crop for the conservation of water resources in the state. He explained about the different extension activities implemented by the department for farmers such as Awareness Camps, Kisan Godhis, Kisan Melas, Training Camps, Exposure Visits, and Demonstrations/Minikits etc. Plant tissue culture facility by Chaudhary Charan Singh Haryana Agricultural University, Haryana facilitates conservation of indigenous crops, he added.

To a question regarding excessive use of herbicides, being a threat to agri biodiversity, he answered that the department has started low budget farming and Integrated Pest Management through its various KVK(s) to reach out and train farmers for better yield.



Haryana - Agriculture Statistics	
Cultivated Area	5.78 million Ha
Irrigated Area	3.26 million Ha
Total Gross Production	32.57 million MT
Agriculture Households	1.62 million
Average Land per Farming Family	2.2 Ha
50% Farmer's Land Holding	< 1 Ha

Chairman of this session

Sh. V.S. Taneer, IPS PCCF

(Hoff), Haryana gave

comprehensive remarks on conservation issues of biodiversity, medicinal plant cultivation and use of modern techniques for enhancing productivity of agriculture.

SESSION - II

Chairman of the session	: Sh. Jagdish Chander, IFS, PCCF (WL), Haryana
Rapporteur	: Mr. Vikram Delu
Agenda	: Input on HR-SBSAP - Status of different Line Departments/Organizations/TSG

Input on HR-SBSAP	Speakers
Status of Environment in Haryana	Dr. R. K. Chauhan, Joint Director, Environment Department
Status of BMC(s) in Haryana	Dr. S.S. Grewal, President, SPACE
Status of Fisheries in Haryana	Dr. Ishwar Singh, Deputy Director, Fisheries Department
Status of Horticulture in Haryana	Sh. Manoj Kundra, Joint Director, Horticulture Department
Wrap-up: Open Discussion & Closing Remarks	Sh. Jagdish Chander, IFS Sh. Vinod Kumar Garg, IFS
Vote of Thanks	Sh. Gurneet Singh, SO, HSEB

Presentation on the Biodiversity and Climate Change



Dr. R.K. Chauhan, Joint Director, Department of Environment & Climate Change, Haryana, discussed a systematic plan to formulate state biodiversity plan and highlighted on the current progress of State Action Plan on Climate Change. He further added that State Government, Haryana had constituted the State Level Steering Committee (SLSC) and State Advisory Group (SAG) for the preparation, monitoring and implementation of State Action Plan on Climate Change under the Chairmanship of Chief Secretary.

Dr. Chauhan said that biodiversity is threatened by climate change, but proper management of biodiversity can reduce the impacts of climate change and highlighted the drivers of change like land-use changes, expansion of urban area, deforestation for agriculture and livestock, species introduction or removal, weed invasion, resource consumption, climate change and natural physical disasters. He stressed that these issues must be considered while preparing state biodiversity plan.

He suggested to constitute an interdepartmental steering committee on HR-SBSAP and to include State Wetland Authority in it. He further added that integrating biodiversity with climate change should be a focus area for better conservation strategies. He also discussed about City Biodiversity Index and suggested to add this concept while preparing HR-SBSAP.

State Action Plan on Climate Change

- State Government, Haryana had constituted the State Level Steering Committee (SLSC) and State Advisory Group (SAG) for the preparation, monitoring and implementation of State Action Plan on Climate Change under the Chairmanship of Chief Secretary.
- State Steering Committee and National Steering Committee on Climate Change approved state Action Plan on Climate Change for Haryana.



Forest vegetation change projected by 2035 and 2065 under A1B scenario in Haryana (SAPCC, Haryana)

Forest Sector	Action Plan
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services.	1. Moderately dense forest cover, but showing degradation. 2. Eco-restoration of degraded open forests. 3. Restoration of Grasslands.
Sub-mission 2: Enhancing tree cover in Urban and Peri-urban areas.	1. Avenue, city forests, municipal parks, gardens, households, institutional lands, etc.
Sub Mission 3: Agro-forestry and Social Forestry (Increasing biomass and creating carbon sink).	1. Agro forestry 2. Community and Panchayat land are under tree cover. 3. Corridors.

Presentation on status of BMC(s) in Haryana



Dr. S.B. Grewal, Director, SPACE (TSG), gave detailed remarks on the strength and achievements of Technical Support Group engaged by HSBB for training, awareness generation of Biodiversity Management Committees (BMCs) and preparation of People's Biodiversity Registers (PBRs). He also highlighted the difficulties arisen during the constitution of BMC(s) and preparation of PBRs and suggested that coordination among all the line departments is a prerequisite for preparation of such Action Plans. Dr. Grewal described detailed procedure for constituting BMC(s) as: message was conveyed through the Gram Panchayat Sarpanch for holding Meeting. The Meeting was held under the Chairmanship of Gram Panchayat Sarpanch where Gram Panchayat members, prominent farmers, local leaders, teachers were invited for discussions on the importance of Biodiversity Conservation. After discussions, Biodiversity Management Committee was constituted with Gram Panchayat Pradhan as President and other prominent persons as members. He highlighted 3 possible reasons for the loss of biodiversity in the Shiwaliks i.e., (i) Harbendi/ Acrebendi of land (ii) Irrigation in the region (iii) Introduction of Eucalyptus and poplar. Further, he added that crop damage due to wildlife is an issue of concern and it should be managed sustainably. He also highlighted the negative impact of Lantana plant and raised concern over ever decreasing ground water level in foothill of Shiwaliks and Aravallis.

Methodology of forming BMC and filling PBR

- A message was conveyed through the Gram Panchayat Sarpanch for holding the General House Meeting on a convenient date.
- The General House Meeting was held under the Chairmanship of Gram Panchayat Sarpanch mostly at Panchayat Ghar where members, prominent farmers, local leaders, teachers were invited for discussions on the importance of Biodiversity Conservation.
- The importance of Biodiversity Conservation and the need of active participation of Gram Panchayats and knowledge holders were deliberated in detail.
- After discussions, a working group / Biodiversity Management Committee was constituted with Gram Panchayat Pradhan as President and other prominent persons as members.

Progress Report of Yamunanagar district by SPACE Group to formulate BMC(s)

S. No.	Category	Achievement
1	Total No. of GPs	472
2	GPs Visited	472
3	Number of BMC meeting conducted	472
4	Number of BMC reformed	472
5	No. of bank accounts opened for BMC	472
6	Total No of PBRs computerized	256



Dr. Sangeeta Nehra, Director, AYUSH, provided her views on the importance of cultivation and conservation of medicinal plants in rural areas. She also gave idea of plantation of Panchvat and formulation of awareness and capacity building modules/programs for citizens. She suggested supporting the cultivation of medicinal plants by adopting Good Agricultural Practices (GAPs) with aiding the establishment of clusters through the convergence of cultivation, value addition, warehousing, marketing and developing infrastructures for budding entrepreneurs/farmers/NGOs. She highlighted the importance of Ayurveda and its traditional knowledge for the current health scenario of the world and stressed on wide implementation of this ancient science throughout the globe.

Genetic variability in Rohata (*Taromefia unguinalis*)



AYUSH Department Haryana: At a glance

- AYUSH Department Haryana is providing Medical Relief, Medical Education and Health Awareness through AYUSH to the masses particularly in the rural areas of Haryana State.
- For this purpose 4 Ayurvedic Hospitals, 1 Unani Hospital, 6 Ayurvedic Pradhmic Swasthya Kendras, 513 Ayurvedic Dispensaries, 19 Unani Dispensaries, 25 Homoeopathic Dispensaries and 1 Institute of Indian Systems of Medicine and Research (IISM&R), Panchkula are functioning including 33 AYUSH dispensaries (29 Ayurvedic, 2 Unani & 2 Homoeopathic) and 3 Specialty Clinics of AYUSH (Gurgaon, Hisar, Ambala) & 1 Specialized Therapy Centre (Jind) have been relocated and upgraded as AYUSH Wing in 2009-10.
- 21 AYUSH Wings at District Hospitals & 98 AYUSH IPD (Polyclinic) at OHCs, 109 AYUSH OPD at PHCs, are providing medical relief to the masses and also participation in National Health Programme in the Haryana State.
- Establishment of Govt. Homoeopathic Dispensary at Village Barwa at Kurushetra and Garaspura at Bhiwani.
- 6th International Yoga Day was celebrated on 21 June 2020 at State/District/Block Level.

Presentation on the status of Fisheries



Dr. Ishwar Singh, Dy. Director, Fisheries Department, Haryana, gave detailed presentation on the status and achievements of Fisheries sector. He also focused on the vulnerability of pond ecosystem in villages due to anthropogenic activities in this sector. He said that last study on fish biodiversity of Haryana state was carried out during 2011 to 2014. A decline in fish diversity has been recorded from 82 species in 2004 to 59 species in the year 2014. Out of 59 fish species, 2 are endangered, 11 vulnerable, 28 have lower risk of threat, 5 exotic and 4 fish species have lower risk of least concern while conservation status of 6 species were unknown. He also admitted that legislation is very poor for fisheries in India to deal with illegal activities in this sector. Dr. Singh added that no regular fish biodiversity survey has been conducted in the state so far. He also suggested that periodic ichthyological survey should be conducted to monitor status of fish diversity. He ensured full contribution of his department in future schedule for the preparation of HR-SBSAP.

Sr. No.	Year	Area under Fish Culture (Ha.)	Fish Production (In Tonne)
1	2014-15	18893.89	100817.29
2	2015-16	17989.20	121889.00
3	2016-17	18875.30	144210.00
4	2017-18	18899.00	138000.00
5	2018-19	17635.30	184114.40
6	2019-20	17244.90	173887.00
7	2020-21	16707.00	200180.00

Sr. No.	Item	Value
1.	No. of Ponds	14930.00
2.	No. of Farmers	18094.00
3.	Saline Waterlogged Area (Ha.)	145094.00
4.	Culturable Saline Area (Ha.)	20000.00
5.	Rivers and Drainage Area (Ha.)	9000.00
6.	Govt. Fish Seed Farms No.	10
7.	Private Fish Hatcheries No.	18
8.	Research & Training Institutes	1
9.	Training cum Centre	1
10.	Fish Market	4
11.	Field Offices	144

Presentation on status of Horticulture



Dr. Manoj Kumar, Joint Director, Horticulture Department, Haryana, gave a presentation on the status and growth of the horticulture department since it came into existence. He described various Centre of Excellence, Plant Tissue Culture units, CSTF, BDC, and FPO(s) working in different districts in the state to strengthen horticulture facilities and capacity building. He stated that Haryana has four Centres of Excellence (CoE) under Indo-Israel collaboration namely CoE for Vegetables, Gharaunda (Karnal), CoE for Fruits, Mangla (Sirsa), CoE for Sub-Tropical Fruits, Ladwa (Kurukshetra) and Integrated Beekeeping Development Centre, Ramnagar (Kurukshetra). Keeping in view the decreasing holdings and increasing expenditure on agriculture, the government has decided to establish 3rd CoE at Gignau village in Bhiwani with an aim to double the income of farmers. He added that these Centres of Excellence are among the best centres in India to promote the farming of high-pricing fruits with the help of sophisticated technological methods. He ensured full contribution of his department while preparing HR-SBSAP.

Productivity Enhancement: Focus Area of Horticulture in Haryana

Productivity enhancement, Diversification and Nutritional Security through holistic horticulture development as indicated in table below:

Parameters	Present Status (2018-2020)	Projections (2030)
Area (lac Ha.)	4.75	9.77
Production (lac MT)	80.68	207.42
Productivity (MT/Ha.): Fruits	20.20	22.00
Productivity (MT/Ha.): Vegetables	16.96	20.00



Director of Horticulture
Haryana Department of Horticulture
Gurgaon, Haryana

Based on the deliberations held in this Workshop, it was decided that 4 more such Workshops will be held at Regional level for Forest Circle (Hq.) and a detailed document will be prepared by involving all relevant stakeholders by the end of March, 2022 to guide the work.

List of participants attended the workshop - HR-SBSAP

Sr. No.	Name of Officer(s)	Designation	Name of Department/Organization
1.	Dr. G. Anupama, IAS	Principal Secretary to GoH	Forest & Wildlife Department
2.	Sh. V. S. Tanwar, IFS	PCCF (HoFF)	Forest Department, Haryana
3.	Sh. Jagdish Chander, IFS	PCCF & CWLW	Forest Department, Haryana
4.	Sh. Vineet Kumar Garg, IFS	Chairman	Haryana State Biodiversity Board
5.	Sh. Pankaj Goel, IFS	CEO CAMPA	Forest Department, Haryana
6.	Sh. M. D. Sinha, IFS	Principal Secretary to GoH	Tourism Department, Haryana
7.	Sh. G. Raman, IFS	CCF (Development)	Forest Department, Haryana
8.	Sh. Suresh Dahi, IFS	Managing Director	Haryana Forest Development Corporation
9.	Sh. K.C. Meena, IFS	APCCF (Budget & Planning)	Forest & Wildlife Department
10.	Sh. Ghanshyam Shukla, IFS	APCCF (Forestry)	Forest Department, Haryana
11.	Sh. D. Hembram, IFS	APCCF (FCI)	Forest Department, Haryana
12.	Dr. T. P. Singh, IFS	Secretary to GoH	Forest & Wildlife Department
13.	Ms. Nivedita Bojarajan, IFS	CF (Publicity & Education)	Forest Department, Haryana
14.	Sh. R.P. Gupta, IAS	Director	Environment Department, Haryana
15.	Dr. R. K. Chauhan	Joint Director	Environment & Climate Change Department
16.	Dr. Sangeeta Nefra	Director, AYUSH	AYUSH Department, Haryana

Sr. No.	Name of Officer(s)	Designation	Name of Department/Organization
17.	Dr. Ishwar Singh	Deputy Director, Fisheries	Fisheries Department, Haryana
18.	Dr. S.S. Grewal	President, SPACE	SPACE (NGO)
19.	Dr. Virender Singh Rathi	Deputy Director	Animal Husbandry & Dairying Department
20.	Dr. Manoj Kumar	Joint Director	Horticulture Department, Haryana
21.	Dr. Rohitash Singh	Additional Director	Agriculture & Farmers Welfare Department, Haryana
22.	Dr. Ranjeet Kaur	Technical Expert	Environment & Climate Change Department
23.	Smt. Kulbir Kaur	Assistant Director	Development & Panchayat Department
24.	Dr. V.P. Uniyal	Scientist- G	Wildlife Institute of India (WII), Dehradun
25.	Dr. Amit Kumar	Scientist- C	Wildlife Institute of India (WII), Dehradun
26.	Dr. Mona Chauhan	Senior Research Biologist	Wildlife Institute of India (WII), Dehradun
27.	Mr. Vikram Delu	Senior Research Biologist	Wildlife Institute of India (WII), Dehradun
28.	Ms. Natasha Chand	Project Intern	Wildlife Institute of India (WII), Dehradun
29.	Sh. Gurmeet Singh	Scientific Officer	KSSB, Panchkula

5.3.1 Regional Workshops

Four Regional Workshops have been held at Ambala on 03.09.2021, Hisar on 15.09.2021, Rohtak on 17.09.2021 and Gurugram on 05.10.2021 for preparation of State Biodiversity Strategy and Action Plan. Local experts from various fields, officers of Line Departments, Universities, NGOs, Representatives of Biodiversity Management Committees (BMCs) had been specially invited who deliberated among themselves and came out with suggestions for preparation of this Action Plan.



Regional Workshop held on 03.09.2021 at Ambala



Regional Workshop held on 15.09.2021 at Rohtak



Regional Workshop held on 17.09.2021 at Hisar



Regional Workshop held on 05.10.2021 at Gurugram

Hindustan Times

Biodiversity planning workshop held in city

HT Correspondent

htreporters@hindustantimes.com

GURUGRAM: As part of preparing a state biodiversity action and strategy plan, the Haryana State Biodiversity Board conducted a workshop for all stakeholders in the city on Tuesday.

Officials from forest and wildlife, fisheries, animal husbandry departments and members of NGOs and other organisations working for biodiversity management discussed biodiversity issues and possible resolutions.

"With these workshops, we have identified the existing threats or pressures on biodiversity management. From different stakeholders, we learnt about different issues like pollution of water bodies, lack of treatment facilities for wildlife, lack of knowledge among locals about their regional biodiversity, due to which, many a times, important resources are lost. We will be studying all these issues and connect with the stakeholders individually to find a common

solution while preparing the action plan," Vineet Kumar Garg, chairman of the Haryana State Biodiversity Board, said.

According to the targets of the National Biodiversity Action Plan (NBAP), an effective, participatory and updated biodiversity action plan must be made operational at different levels of governance. In this context, various states and union territories are required to prepare their own state biodiversity action plans in alignment with the NBAP.

VP Uniyal, a senior scientist from WII, said, "All elements of the environment, be it birds, insects or plants, all work in sync and are essential in some or the other manner, and it is important to make people aware about these issues and work in an integrated manner. This biodiversity strategy and action plan aims to form a guidebook which will help all departments work together, while making sure that the biodiversity is not affected. From next month, we will start discussions at block level."

5.3.2 Training-cum-consultative meetings with BMCs for preparation of State Biodiversity Strategy and Action Plan

Training-cum-consultative meetings with BMCs were held at Pipli (Kurukshetra) on 19.10.2021, Hisar on 17.11.2021, Rohtak on 18.11.2021 and Gurugram on 08.12.2021 for preparation of State Biodiversity Strategy and Action Plan. Representatives of BMCs from each district of the State had been specially invited to these meetings. The concept of Biodiversity Conservation was explained to them and their inputs on status of biodiversity in their jurisdiction were taken in the form of a questionnaire. Suggestions received from the participants will be helpful in preparation of the Action Plan.



Training-cum-Consultative meeting at Pipli on 19.10.2021



Training-cum-Consultative meeting at Hisar on 17.11.2021



Training-cum-Consultative meeting at Rohak on 18.11.2021



Training-cum-Consultative meeting at Gurugram on 08.12.2021

5.4 Survey of Flora and Fauna

5.4.1 Butterfly Survey



For the first time in the State, a special Survey on Butterflies was conducted in Rewari's Khol Block on 28.09.2021 jointly by Haryana State Biodiversity Board and Forest and Wildlife Department. 60 participants including staff of HSBB, representatives of local

BMCs, Forest & Wildlife Department, NGOs, volunteers, butterfly experts and nature lovers from Mumbai, Jaipur, Faridabad, Delhi, Narnaul and Jhajjar participated in this Survey. The survey was conducted in a contiguous stretch in 10 villages - Palra, Basduda, Khol, Manethi, Bhalki, Majra, Nandha, Balwari, Ahrod and Khaleta - spread over 1000 hectares to chalk out a strategy for conservation of butterflies and moths in Aravallis.

60 species of butterflies including small branded swift Indian skipper, conjoined swift, lesser grass blue, gram blue, tiny grass blue, small cupid, plains cupid, oriental grass jewel, pea blue, Indian red flash, African Babul, common Pierrot, rounded Pierrot were identified during this one-day survey.



About 60 species of Mushrooms were identified in this Survey. Few of them are *Agaricus compestris* L., *Cortinarius iodeoides* Kauffman, *Geastrum triplex* Jungh., *Hexagonia tenuis* Fr., *Russula rosea* Pers., *Termitomyces clypeatus* R. Heim



Newspaper Clips

कलेसर नेशनल पार्क व सैंचुरी एरिया में मशरूम व बटरफ्लाई प्रजातियों का सर्वेक्षण शुरू



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The major steps with respect to a new business plan are: (1) determine the business plan's purpose; (2) determine the business plan's scope; (3) determine the business plan's content; (4) determine the business plan's format; (5) determine the business plan's distribution; (6) determine the business plan's evaluation; (7) determine the business plan's revision; (8) determine the business plan's implementation; (9) determine the business plan's monitoring; (10) determine the business plan's termination.

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कलेसर नेशनल पार्क में 8 टीमों ने मशरूम की 55 व बटरफ्लाई की 50 प्रजातियों की खोज की

उत्प्रेषण सेल्सुस गर्ड व गैडुली एरिय में सर्वेक्षण शुरू, एकादश बोने- अभी दूसरे सेल्सुस गर्ड ने गर्ड में डेरी

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कलैसर नेशनल पार्क में मसजिद की 55 व सदरफ्लडर्स की 50 पञ्जातियों की संज्ञ



Keywords: children; parents; social support; self-esteem

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5.5 Workshop on “Skill Development on Biodiversity Documentation & Preparation of People’s Biodiversity Registers (PBRs) of Haryana”

Haryana State Biodiversity Board (HSBB) organized two days Workshop on “Skill Development on Biodiversity Documentation and Preparation of People’s Biodiversity Registers (PBRs) of Haryana” on 21-22.10.2021. Experts from various fields were invited as Resource Persons so that the field teams of the TSGs and District Coordinators of HSBB can be trained in the basic concepts related to Biodiversity and PBR as per the Formats of the ideal PBR.



Inauguration and Welcome



Sessions by Resource Persons



***Officers /Officials/Participants Awarded with Certificates & Mementos
by Chairman, HSBB***



Participants in the Workshop

5.6 Awareness & Training Programmes

5.6.1. Awareness Generation Programmes for Students

HSBB organized Awareness Generation programmes on Biodiversity Conservation for students of Schools and Colleges. To mark the celebration of Azadi Ka Amrit Mahotsava (AKAM), HSBB organised awareness generation programme at Govt. Senior Secondary School, Chuaharpur, Yamunanagar on 21.12.2021 and at ODM College for Women, Muklan, Hisar on 24.12.2021. Apart from these, such programmes have been organized in all the districts throughout the State.



Govt. Senior Secondary School, Chuaharpur, Yamunanagar



ODM College for Women, Muklan, Hisar

बच्चों को वन संरक्षण का महत्व बताया

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ओडीएम कॉलेज में जैव विविधता संरक्षण पर व्याख्यान आयोजित



भास्कर न्यूज | दिल्ली

ओरोराम कोलेज में आगस्टी का अमृत महोत्सव के अंतर्गत जैव विविधता संरक्षण पर व्याख्यान आयोजित किया गया। जिसमें प्रमुखता से सांख्यिक अधिष्ठाता सुधीर सिंह व उनकी टीम ने छात्रों को जैव विविधता संरक्षण पर जानकारी दी। उन्होंने छात्रों और अधिष्ठाता शिक्षकों को वृक्षारोपण और जैव संरक्षण के लिए प्रेरित किया। इस कार्यक्रम की अध्यक्षता कोलेज की प्राचार्या डॉ. प्रीति कुमार ने की। इस मौके पर कोलेज के प्रिंसिपल डॉ. अजीत सिंह व कार्यक्रम संयोजक विष्णु काली ने भी संबोधित किया। ओरोराम कोलेज की छात्रावास की सुविधा प्रदाती संस्था के नेतृत्व में कोलेज की छात्रावास सुविधा में वृक्षारोपण किया। कोलेज की प्राचार्या डॉ. प्रीति कुमार, वरिष्ठा शिक्षक ने डॉ. इस. अर्जुन कुमार जी की अगुआई में छात्र सभी छात्रावासों में वृक्षारोपण किया।

75वाँ आजादी के अमृत महोत्सव के तहत जैव विविधता जागरूकता

० अक्षितः स्याति / जीवन्मुक्तः स्यात्

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सुन्दर सुलदीर्ग सुन्दर
सर्गोपासनी अशोक व विष्णु
समर्पणी ये मिलकर संतुष्ट
कर ले की । इस सीके पर
गुरुदेव विष्णु ये बताता
हैविष्णुसा सम्भय जैव
विविधता ओई कर गठन कर
लूक और हैविष्णुसा सम्भय
जैव विविधता ओई कर
कर-करा करन है ? जी
कीरणीकी कर दम कीरन
मजबूत करन करनी है ? इस
सीके पर विधानी जिले के
विज्ञान कार्यालयका सुपुत्र
जगजय ये बताता कि विधानी

को जैदिक खेती करने
आसिए और पैसापसिरी
सम्पत्तियों के लिए चीजें
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मौजूद पर खड़ी एनर्जीजों को ज़ायेरस्टनर सतीश शर्मा उपयोग कर रहे हैं। इस कार्यक्रम को ज़ायेर तीन बच्चों ने सपोर्टिंगअर्किस्ट की सहायता पर व्यवस्था दिया और डिजिटल, मुद्रकान सीमा दोनों को अतिमि गण को इस सम्मेलित किया गया। इस मौके पर ज़ायेर को ज़ायेरस्टनर ज़ायेर अजीत कुमार, स विमिपल ज़ायेर प्रीतेश कुमार शर्मा विमिपल ने कोट से ख़ुशी दी। एक समयक किया और कहा कि ऐसे कार्यक्रम बच्चों के लिए बहुत ज़रूरी है। इस कार्यक्रमका कार्यक्रम में 300 बच्चों ने भाग लिया एक विभाग की तरह से इस मौके पर बाली ज़ायेर की सुदेश विमल, ज़ायेर शर्मा की उपस्थिति रहे।

5.6.2. Training Sessions for Frontline Staff of Forest Department



HSBB organized Awareness Generation program for 2019-21 batch of 52 under training Deputy Rangers of Forest Department at Forest Training Complex, Pinjore on 18-09-2021 on "Fundamental of Biodiversity, Biological Diversity Act, 2002 and Biological Diversity Rules, 2004" under the guidance of Sh. Vineet Kumar Garg, IFS, Chairman,

HSBB. This program was attended by Sh. G. Raman, IFS, CCF (Development) and Sh. Ajay Pal Jangra, HFS, DFO (Training).



HSBB also organized Awareness Generation program for 2019-21 batch of 52 under training Foresters of Forest Department at Forest Training Complex, Pinjore on 04.12.2021 on "Fundamental of Biodiversity, Biological Diversity Act, 2002 and Biological Diversity Rules, 2004".



Training/Awareness program was also organized for Haryana Forest department's under training Foresters (batch 2021-22) at Forest Training Complex, Pinjore by HSBB on 19.02.2022. 50 trainees participated during the session. The session was conducted by Sh. Prakash Mehta, Scientific Officer, HSBB.



5.6.3. “Training and Capacity Building of BMCs, PBR Quality Enhancement and Communication and Conservation Awareness” Program

“Training and Capacity Building of BMCs, PBR Quality Enhancement and Communication and Conservation Awareness” program was organized by Haryana State Biodiversity Board on 28th-31st January, 2022 at Radaur, Bilaspur and Chhachhrauli blocks of Yamunanagar district.

The program was organized under the guidance of Sh. Vineet Kumar Garg, IFS, Chairman, Haryana State Biodiversity Board with special assistance from National Biodiversity Authority.

In total, 270 persons, including members of 42 Biodiversity Management Committees, other villagers and front-line staff of Forest Department participated in the program in 6 different sessions.

Sh. Vineet Kumar Garg, IFS, Sh. Gurmeet Singh and Sh. Prakash Mehta, Scientific Officers, HSBB, Dr. Aarti Chavda, Biologist, Chhatbir Zoo, Punjab, Dr. Surendra Singh Grewal and Sh. Lohan, TSG-SPACE elaborated on topics such as Biodiversity, its types, current status, importance, threats, conservation measures, Biological Diversity Act-2002, Biodiversity Management Committees, People's Biodiversity Registers etc.



Group Photo, Radaur on 28.01.2022



“Training and Capacity Building for BMCs, PBR Quality Enhancement, Communication and Conservation Awareness Programme” at Radaur on 28.01.2022



“Training and Capacity Building for BMCs, PBR Quality Enhancement, Communication and Conservation Awareness Programme” at Bilaspur on 29.01.2022



Group Photo, Bilaspur on 29.01.2022



“Training and Capacity Building for BMCs, PBR Quality Enhancement, Communication and Conservation Awareness Programme” at Chhachrauli on 31.01.2022

5.6.4. World Wetlands Day at Sultanpur National Park (Gurugram)

National level World Wetlands Day was celebrated on 02.02.2022 at Sultanpur National Park (Gurugram). This National Park has recently been recognized as a Ramsar Site. Hon'ble Union Minister Sh. Bhupinder Singh Yadav; Minister of State Sh. Ashwani Choube; Hon'ble Chief Minister Haryana Sh. Manohar Lal; Forest Minister, Haryana Sh. Kanwar Pal; Director General of Forests – Sh. CP Goyal; Additional Director General of Forests – Sh. SP Yadav & other dignitaries from GOI & State Government graced the occasion.

Haryana State Biodiversity Board's Exhibition on this occasion was very well appreciated by the dignitaries.





Sh. Vineet Kumar Garg, IFS, Chairman, HSBB explaining at the Exhibition



5.6.5. Asian Water Bird Census - 2022

Asian Water Bird Census was conducted by Haryana State Biodiversity Board in collaboration with Forest and Wildlife Department, Haryana, Bombay Natural History Society and Wetland International on 12.02.2022 in Bhindawas and Mandothi wetlands of Jhajjar district. Sh. Gurmeet Singh, Sh. Prakash Mehta, Scientific Officers, HSBB, Sh. Shiv Singh, DWLO, Rohtak, Sh. Sohil Madan, Center Manager, CEC, BNHS, representatives of local BMCs participated. 75-80 wetland bird species were recorded at the time of enumeration.





Purple Heron



Coots



Cormorants and Darters



Northern Pintail



Group Photo, Mandothi

5.6.6. Interaction with BMCs of Tigaon Block, Faridabad District by Chairman, HSBB

Discussions were held on 18.02.2022 with BMC members & villagers of Alipur, Raipur Kalan & Gharora Gram Panchayats of Tigaon Block in Faridabad district by Sh. Vineet Kumar Garg, IFS, Chairman, HSBB. Representatives of Everain Global Services Pvt. Ltd. (TSG) and Mrs. Rupali Rai, District Coordinator, HSBB participated. Importance of Biodiversity Conservation, its Threats, Roles & responsibility of BMCs, Preparation of People's Biodiversity Registers etc. were discussed in the meeting.



5.6.7. Exhibition at Maharishi Dayanand University (MDU), Rohtak during Celebration of 'Rang Bahar'



An exhibition on "Biodiversity Conservation Awareness" was held on 02.03.2022 at Maharishi Dayanand University, Rohtak on the occasion of "Rang Bahar - Flower Exhibition" organized by MDU. Large number of University students & general public visited the Exhibition. Dr. Rajbir Singh, Vice Chancellor, MDU; Dr. Samar Singh, Vice Chancellor, Maharana

Pratap Horticulture University, Karnal; Ms. Vinita Hooda, Head of the Dept. of Botany, MDU; Dr. Sharanjeet Kaur, Vice President & Chairperson, 'Haryana Welfare Society for Persons with Speech & Hearing Impairment' visited the Exhibition & appreciated the efforts of HSBB in creating awareness about Biodiversity Conservation among the masses.





जैव विविधता संरक्षण में छात्रों की अहम भूमिका – कुलपति राजबीर सिंह

अखिल अति
राष्ट्रीय स्तर पर भूमिगतिटी, रोडवक में ज्ञान एम डी यू द्वारा आयोजित "एन ब्रदर-युन प्रदर्शनी" के अवसर पर "जैव विविधता संरक्षण आवश्यकता" विषय पर एक प्रदर्शनी का आयोजन किया गया। इस अवसर पर बड़ी संख्या में एम डी यू विद्यार्थियों के छात्रों और ज्ञान जगता ने प्रदर्शनी का दौरा किया। मुख्य अतिथि के तौर पर राजबीर सिंह कुलपति एम डी यू, रोडवक, डॉ. बलदेव राज, कम्पोज, कुलपति हरिवंश कृषि भूमिगतिटी विभाग, डॉ. कल्याण जी और उपस्थित और अतिथि



हरिवंश कृषि भूमिगतिटी विभाग, डॉ. कल्याण जी और उपस्थित और अतिथि

विविधता बोर्ड पंचकुला के कार्यों के बारे में जानकारी प्राप्त की की एम डी यू का है जो कितनी सक्रिय है जैव विविधता गली (एन डी यू) में छात्रों का सहभागिता है इस विषय पर जैव विविधता बोर्ड के विभिन्न सदस्यों ने एम डी यू की पंचकुला की संरचना की विभिन्न सुधार करें जो के मार्ग चर्चा में किया गए। छात्रों जैसे कीले दिनों पंचवटी अभियान, जैव विविधता संरक्षण प्रदर्शनी जैसे कार्यों की जानकारी दी। कुलपति श्रीधर ने एम डी यू की संरचना के छात्रों को देखते हुए

हरिवंश जैव विविधता बोर्ड के विभिन्न सदस्यों ने एम डी यू के छात्रों को इस विभाग के जोड़ने की सलाह दी और कहा की संरचना सही छात्र गली के संबंध रखते हैं जो जैव विविधता संरक्षण में ज्ञान विभाग और अन्य विभागों के सहयोग से हम छोटी बहुत ही सही जैव विविधता बना रहे।

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5.6.8. Celebration of International Women's Day

Haryana State Biodiversity Board in association with local Biodiversity Management Committees celebrated International Women's Day- 2022 at Baba Mastnath University, Rohtak on the theme of "Role of women in Conservation of Biodiversity". Smt. Renu Bala, IFS, DCF, Rohtak graced the occasion as Chief Guest & Dr. Anjana Rao, Chancellor Nominee and Dr. Ramesh K. Yadava, Vice-Chancellor, Baba Mastnath university were the guest of honour. 450+ students from B.Sc., M.Sc., BAMS and BPH took part in the celebrations. On this occasion, Sh. Prakash Mehta, Scientific Officer, HSBB gave an introductory speech on role and functions of HSBB and Biodiversity conservation while Smt. Renu Bala delivered her talk on the topic of "Role of women in Biodiversity Conservation". As part of the celebration -Poster making, Slogan writing and Rangoli making competitions were held. Biodiversity-quiz competition was also held.

At the end of the program, winners of different competitions and active female members of local BMCs were awarded with HSBB-mementos. Biodiversity-awareness material was also distributed to all the students.









International Women's Day was also celebrated at ITI Bhodia Kheda, Fatehabad district. About 610 students and staff members participated in this program. Sh. Gurmeet Singh, Scientific Officer, HSBB deliberated on role of women in conservation of biodiversity. Divisional Forest Officer Sh. Rajesh Kumar stressed upon plantation of

more trees so as to stay away from diseases.





News paper Clips

आईटीआई भोड़ियाखेड़ा में मनाया महिला दिवस



चौहान मेन। रोहतास: हरियाणा राज्य जैव विविधता बोर्ड के निदेशन किरीत कुमार गार्ग के मार्गदर्शन में आईटीआई भोड़ियाखेड़ा में अंतर्राष्ट्रीय महिला दिवस का कार्यक्रम बढ़ी श्रमधाम से किया गया। कार्यक्रम की शुरुआत देवी सरस्वती के चरणों में दीप अर्पित करके और दीप प्रज्वलित करके हुआ। हरियाणा राज्य जैव विविधता बोर्ड के मैजस्टिक ऑफिसर गुरभीत सिंह, फतेहाबाद जिले के वन मंडल अधिकारी राजेश कुमार, आईटीआई भोड़िया

खेड़ा के जिरियल जेठ कुमार ने आईटीआई भोड़ियाखेड़ा के प्रांगण में पौधारोपण किया। इस मौके पर समीत सिंह ने बताया कि जैव विविधता को बचाने में महिलाओं का बहुत बड़ा योगदान है और कोई भी सामाजिक परिवर्तन महिलाओं के बिना नहीं हो सकता है। जिरियल जेठ कुमार ने कहा कि हमारे समाज में विधवाओं का विशेष स्थान सदियों से रहा है। युवाओं की छोटे भाग्य से जुड़े हैं, लेकिन बेरोज़गारी से जुड़े हैं। भारत जैसे युवा प्रधान देश में भी महिलाओं ने अपने जीवन काल से अपनी पहचान बनाई और साथ ही मां, बहन, बेटी के रूप में एक अलग भूमिका निभाई है। अनीता क्रांति ने बताया कि जरूरी नहीं कि रोज़गार चिराग से ही हो सकता है घर में उठाने कागो है।

नारी भी छू सकती है आकाश, मौके की है इसे तालाश: अनीता क्रांति



पहुंचे हरियाणा राज्य जैव विविधता बोर्ड के मैजस्टिक ऑफिसर गुरभीत सिंह, फतेहाबाद जिले के वन मंडल अधिकारी राजेश कुमार, आईटीआई भोड़िया

खेड़ा के प्रसिध्द रमेश कुमार ने आईटीआई भोड़ियाखेड़ा के प्रांगण में पौधारोपण किया। इस मौके पर गुरभीत सिंह ने बताया कि जैव विविधता को बचाने में महिलाओं का बहुत बड़ा योगदान है और कोई भी सामाजिक परिवर्तन महिलाओं के बिना नहीं हो सकता है।

आईटीआई भोड़ियाखेड़ा के प्रांगण में पौधारोपण किया। इस मौके पर गुरभीत सिंह ने बताया कि जैव विविधता को बचाने में महिलाओं का बहुत बड़ा योगदान है और कोई भी सामाजिक परिवर्तन महिलाओं के बिना नहीं हो सकता है।

5.6.9. Exhibition at Krishi Mela (Kharif) at Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar

Haryana State Biodiversity Board held an Exhibition on 15.03.2022 in the 2 days Krishi Mela (Kharif) organized on the theme of "Natural farming" at Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar. Many eminent personalities- Dr. Narender Singh Rathore, VC (Maharana Pratap University of Agriculture & Technology, Udaipur, Rajasthan); Dr. B.R. Kamboj, VC (CCSHAU, Hisar); Dr. Samar Singh, VC (Maharana Pratap Horticulture University, Karnal); Dr. Vinod Kumar Verma, VC (Lala Lajpat Rai University of Animal and Veterinary Sciences, Hisar); Dr. Balwan Singh, Director (Extension & Education, CCSHAU, Hisar) ; Sh. S S Sheoran, Member of District Level Expert Committee on Biodiversity; Chairmen/ Members of nearby BMCs visited this Exhibition. About 800 farmers, students & local people from nearby villages from Haryana &

Rajasthan visited the Krishi Mela & Exhibition of HSBB. They were made aware about the importance of Biodiversity Conservation. Publicity & awareness material was also provided to them. The efforts of HSBB in creating awareness about Biodiversity Conservation were appreciated by the dignitaries & the general public.





5.6.10. "Training and Capacity Building of BMCs for updation / quality improvement of PBRs" programs at Kurukshetra, Hisar, Rohtak & Gurugram

"Training and capacity building of BMCs for updation/ quality improvement of PBRs" programs were organized by HSBB with financial support from NBA w.e.f. 21.03.2022 to 25.03.2022 at Kurukshetra, Hisar, Rohtak & Gurugram. About 300 representatives of 50 BMCs & frontline staff of Forest department were benefited. Sh. Vineet Kumar Garg IFS, Chairman, HSBB; Sh. Ghanshayam Shukla, IFS, Member Secretary, HSBB; Dr. Ram Chand, Member, State Level PBR Quality Monitoring Committee; Sh. Gurmeet Singh, Scientific Officer, HSBB; Sh. Prakash Mehta, Scientific Officer, HSBB; local Divisional Forest Officers and District Coordinators, HSBB shared their knowledge about biodiversity, it's types, status, importance, threats and conservation; Roles & duties of BMCs and importance of preparation of PBRs. Movies on PBR, BMC and Biological Diversity Act created by NBA were screened for better understanding. Training and Publicity material was also provided to all the participants.



"Training and Capacity Building of BMCs for updation/ quality improvement of PBRs" program on 21.03.2022 at Kurukshetra



"Training and Capacity Building of BMCs for updation/ quality improvement of PBRs" program on 22.03.2022 at Hisar



"Training and Capacity Building of BMCs for updation/ quality improvement of PBRs" program on 24.03.2022 at Rohtak



"Training and Capacity Building of BMCs for updation/ quality improvement of PBRs" program on 25.03.2022 at Gurugram

5.6.11. Hoardings at 35th Surajkund International Crafts Mela

“35th Surajkund International Crafts Mela” was organized by the Government of Haryana at Surajkund, Faridabad district w.e.f. 19:03:2022 to 04:04:2022. ‘Jammu& Kashmir was the Theme State and ‘Uzbekistan’ was the partner Nation in celebration of the Mela. About 1100 Artisans from 20 Countries and almost all the States of India put up their stalls of indigenous handicrafts in the Mela. About 8 lakh people including International & National dignitaries visited the Mela during these 15 days event.

To sensitise the general public about the importance of Biodiversity Conservation, Haryana State Biodiversity Board got 3 Mega Hoardings (10’*20’ size) installed at strategic locations along the periphery of the Mela ground with help of the Mela Authority. Biodiversity- it’s meaning, components, status; Biodiversity-it’s importance, threats; Objectives & functions of HSBB, Roles & duties of BMCs, preparation of PBRs were explained in simple language in these hoardings.





हरियाणा राज्य जैवविविधता बोर्ड

एचएसबीवी के बारे में:

हरियाणा राज्य जैव विविधता बोर्ड (एचएसबीवी) की स्थापना राज्य में जैव विविधता की सुरक्षा और संरक्षण के लिए जैव विविधता अधिनियम, 2002 के प्रावधानों के अनुसार की गई थी। एचएसबीवी की स्थापना 14 नवंबर, 2006 को पर्यावरण विभाग के तहत एक राजपत्रित अधिसूचना के माध्यम से की गई थी। 2016 में एचएसबीवी को चर विभाग में स्वायत्तता प्रदान कर दिया गया था। एचएसबीवी का पुनर्गठन 12 सितंबर, 2019 को किया गया है।

एचएसबीवी के कार्य:

(1) राज्य की जैव विविधता के संरक्षण, जैव संसाधनों का सतत उपयोग और जैव संसाधनों के उपयोग से होने वाले नुकसानों के उचित और न्यायसंगत वेटवारे के लिए जैव विविधता अधिनियम, 2002 और जैव विविधता नियम, 2004 के प्रावधानों का पालन करने में सहायता प्रदान करना।

(2) भारतीयों द्वारा किसी भी वैश्विक संसाधन के बाणिज्यिक उपयोग या जैव-संवर्धन और जैव-उपयोग के लिए अनुसंधान या अनुसंधान प्रदान करने के विनिर्दिष्ट कार्य;

(3) इस अधिनियम के प्रावधानों को पूरा करने के लिए आवश्यक कार्यों को या राज्य सरकार द्वारा निर्धारित किए गए कार्यों को निष्पादित करना।



एचएसबीवी की गतिविधियाँ:

- (1) जिला परिषद, जिला, ग्राम पंचायत, और नगर निगम/पालिका/परिषद स्तर पर 6435 जैव विविधता प्रबंधन समितियों (बीएससी) का गठन किया गया है।
- (2) बीएससी द्वारा तकनीकी सहायता समूह (टीएसजी) की मदद से 6435 लोक जैव विविधता पंजी (पीबीआर) तैयार की गयी है। इन पीबीआर को प्राथमिक आंकड़ों के आधार पर अद्यतन किया जा रहा है।
- (3) बीएससी की क्षमता का निर्माण उन्हें जैव विविधता संरक्षण, कवच और कलियों और उनके अधिकार क्षेत्र में जैव संसाधनों के उपयोग पर प्रशिक्षण प्रदान करने किया जा रहा है।
- (4) हरियाणा राज्य जैव विविधता एग्रीकल्चर और कार्य योजना भारतीय जैववैज्ञानिक संस्थान, चेन्नई के सहयोग से तैयार की जा रही है। इस कार्य योजना को मार्च, 2022 के अंत तक अंतिम रूप दिए जाने की संभावना है।
- (5) हरियाणा राज्य जैव विविधता विभाग को सरकार द्वारा अधिसूचित करवाया।
- (6) जैव विविधता विभाग स्वतंत्रता की पहचान करना और सरकार द्वारा अधिसूचित करवाना।
- (7) संकटग्रस्त प्रजातियों की पहचान करना, केंद्र सरकार से इन्हें अधिसूचित करवाना एवं इनके संरक्षण के लिए कार्य करना।

संदेश

जैव विविधता का अभिप्राय जीवों से पाई जाने वाली विविधता से है। मानव जीवन से इसका अति महत्वपूर्ण स्थान है। इसके बिना पृथ्वी पर मानव जीवन की कल्पना असंभव है, इस लिए इसका संरक्षण किया जाना अति आवश्यक है। जैव विविधता हमारे जीवन, कवच, औषधि, वन इंधन आदि की आवश्यकताओं की पूर्ति के साथ-साथ पर्यावरण संरक्षण के लिए भी महत्वपूर्ण भूमिका अदा करती है। अतः हमें जैव विविधता प्रकृति की स्वाभाविक सम्पत्ति है और इसका योग, प्रकृति के दोहन के समकक्ष है। अतः प्रकृति को नष्ट होने से बचाने के लिए जैव विविधता को संरक्षण प्रदान करना समय की संघ से बड़ी आवश्यकता है।



श्री अनील कुमार
का. वन, हरियाणा
मुख्यमंत्री सरकार

**जैव विविधता बचाए
अपना भविष्य बचाए**

जैवविविधता का महत्व, खतरे और संरक्षण

Stratford on Avon

[illegible]

62204

1. Apply the experimental design to the test situation and the test results. The test results are the data that are used to make the test results. The test results are the data that are used to make the test results.



परिचयः ॥

[illegible]

nigella / enigma 2007

¹ I have been happily married to my present wife for almost thirty years and have six children. My wife was born about two miles from here, but she has never seen it. It is a beautiful country, and we are going to visit it soon.



transformation

the 3 letters in question that are being written are not the 3 letters in question written in the same way as the other letters.



हरियाणा राज्य जैवविविधता बोर्ड

Definition of \mathcal{H}_1 and \mathcal{H}_2



1. I am an actor.
2. I am a director.
3. I am a producer.
4. I am a writer.
5. I am a performer.
6. I am a manager.
7. I am a teacher.
8. I am a student.
9. I am a friend.
10. I am a family member.
11. I am a community member.
12. I am a citizen.
13. I am a human being.



serpentes quatuor

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.



1000

[illegible]

Productivity / Competitiveness

प्रयोग

एक ग्लास में पानी भरें। उसमें एक छोटी सी लकड़ी डाल दें। अब उसे धीरे-धीरे घुमाते जायेंगे तो वह भी घूमने लगती है। इससे हमें यह पता चलता है कि जल के अणु एक-दूसरे से जुड़े हुए हैं और वे एक साथ घूमते हैं।



111

1. **Admission:** The admission fee is \$100. This fee covers the cost of the course materials, the laboratory fee, and the examination fee.



આ પણ વિચારવું જોઈએ કે આજેના સમયમાં આવા પ્રકારનાં કાવ્યો કેટલાં જોવા મળે છે ?

1. The first condition is that the function f must be continuous on the interval $[a, b]$.
 2. The second condition is that the function f must be bounded on the interval $[a, b]$.
 3. The third condition is that the function f must have a unique limit at every point in the interval $[a, b]$.
 4. The fourth condition is that the function f must be defined at every point in the interval $[a, b]$.
 5. The fifth condition is that the function f must be single-valued at every point in the interval $[a, b]$.
 6. The sixth condition is that the function f must be real-valued at every point in the interval $[a, b]$.
 7. The seventh condition is that the function f must be measurable on the interval $[a, b]$.
 8. The eighth condition is that the function f must be integrable on the interval $[a, b]$.
 9. The ninth condition is that the function f must be differentiable on the interval $[a, b]$.
 10. The tenth condition is that the function f must be twice differentiable on the interval $[a, b]$.
 11. The eleventh condition is that the function f must be n -times differentiable on the interval $[a, b]$.
 12. The twelfth condition is that the function f must be analytic on the interval $[a, b]$.
 13. The thirteenth condition is that the function f must be convex on the interval $[a, b]$.
 14. The fourteenth condition is that the function f must be concave on the interval $[a, b]$.
 15. The fifteenth condition is that the function f must be monotonic on the interval $[a, b]$.
 16. The sixteenth condition is that the function f must be periodic on the interval $[a, b]$.
 17. The seventeenth condition is that the function f must be symmetric on the interval $[a, b]$.
 18. The eighteenth condition is that the function f must be antisymmetric on the interval $[a, b]$.
 19. The nineteenth condition is that the function f must be even on the interval $[a, b]$.
 20. The twentieth condition is that the function f must be odd on the interval $[a, b]$.
 21. The twenty-first condition is that the function f must be bounded above on the interval $[a, b]$.
 22. The twenty-second condition is that the function f must be bounded below on the interval $[a, b]$.
 23. The twenty-third condition is that the function f must be bounded on the interval $[a, b]$.
 24. The twenty-fourth condition is that the function f must be unbounded on the interval $[a, b]$.
 25. The twenty-fifth condition is that the function f must be continuous at every point in the interval $[a, b]$.
 26. The twenty-sixth condition is that the function f must be discontinuous at every point in the interval $[a, b]$.
 27. The twenty-seventh condition is that the function f must be continuous on the interval $[a, b]$.
 28. The twenty-eighth condition is that the function f must be discontinuous on the interval $[a, b]$.
 29. The twenty-ninth condition is that the function f must be continuous at every point in the interval $[a, b]$.
 30. The thirtieth condition is that the function f must be discontinuous at every point in the interval $[a, b]$.
 31. The thirty-first condition is that the function f must be continuous on the interval $[a, b]$.
 32. The thirty-second condition is that the function f must be discontinuous on the interval $[a, b]$.
 33. The thirty-third condition is that the function f must be continuous at every point in the interval $[a, b]$.
 34. The thirty-fourth condition is that the function f must be discontinuous at every point in the interval $[a, b]$.
 35. The thirty-fifth condition is that the function f must be continuous on the interval $[a, b]$.
 36. The thirty-sixth condition is that the function f must be discontinuous on the interval $[a, b]$.
 37. The thirty-seventh condition is that the function f must be continuous at every point in the interval $[a, b]$.
 38. The thirty-eighth condition is that the function f must be discontinuous at every point in the interval $[a, b]$.
 39. The thirty-ninth condition is that the function f must be continuous on the interval $[a, b]$.
 40. The fortieth condition is that the function f must be discontinuous on the interval $[a, b]$.
 41. The forty-first condition is that the function f must be continuous at every point in the interval $[a, b]$.
 42. The forty-second condition is that the function f must be discontinuous at every point in the interval $[a, b]$.
 43. The forty-third condition is that the function f must be continuous on the interval $[a, b]$.
 44. The forty-fourth condition is that the function f must be discontinuous on the interval $[a, b]$.
 45. The forty-fifth condition is that the function f must be continuous at every point in the interval $[a, b]$.
 46. The forty-sixth condition is that the function f must be discontinuous at every point in the interval $[a, b]$.
 47. The forty-seventh condition is that the function f must be continuous on the interval $[a, b]$.
 48. The forty-eighth condition is that the function f must be discontinuous on the interval $[a, b]$.
 49. The forty-ninth condition is that the function f must be continuous at every point in the interval $[a, b]$.
 50. The fiftieth condition is that the function f must be discontinuous at every point in the interval $[a, b]$.

1. *What is the purpose of the study?*
 2. *What are the research objectives?*
 3. *What is the research methodology?*
 4. *What are the results of the study?*
 5. *What are the conclusions of the study?*
 6. *What are the implications of the study?*
 7. *What are the limitations of the study?*
 8. *What are the future research directions?*
 9. *What are the contributions of the study?*
 10. *What are the key findings of the study?*

आप खतरे में हैं

40,000 से अधिक प्रजातियों पर
विलुप्त होने का खतरा है।

जो अभी तक हमें पता चली हुई संकटग्रस्त
प्रजातियों का 28% है।

हम अपनी "जैवविविधता"
को बहुत तेजी से खो रहे हैं।

उभयचर

41%



स्तनधारी

26%



शंकुधारी

34%



पक्षी

13%



शाक

37%



मृग

33%



चयनित क्रस्टेशियंस

28%



क्या आप जानते हैं कि हम
"छूठे महाप्रलय"
की ओर बढ़ रहे हैं।

जैव विविधता बचाओ, अपना भविष्य बचाओ।



हरियाणा राज्य जैव विविधता बोर्ड

जैवविविधता प्रबंधन समिति

जैव विविधता प्रबंधन समिति

जैव विविधता अधिनियम-2002 की धारा 41 के अंतर्गत, प्रत्येक स्थानीय निकाय जैसे कि नगर निगम, नगर पालिका, नगर परिषद, जिला परिषद, ब्लॉक/पंचायत समिति एवं ग्राम पंचायत स्तर पर एक जैव विविधता प्रबंधन समिति का गठन किया जायेगा।

BMC



जैव विविधता प्रबंधन समिति के मुख्य उद्देश्य

जैव विविधता प्रबंधन समिति के मुख्य उद्देश्य स्थानीय निकाय के अधिकार क्षेत्र में जैव विविधता का संरक्षण, जैविक संसाधनों का विवेकपूर्ण उपयोग एवं जैव विविधता का दस्तावेज (जिसे लोक जैवविविधता पंजिका कहते हैं) बनाना जिसमें स्थानीय फसलों, पालतू जानवरों, जंगली जड़ीबूटी, पेड़-पौधे, पशु-पक्षी, कीड़े-मकोड़े, सूक्ष्म जीव इत्यादि सारे जीव-जन्तु की वर्तमान एवं पहले की स्थिति, उनसे जुड़ा हुआ परंपरागत ज्ञान एवं अन्य सारी विस्तृत जानकारी सम्मिलित की जानी है।

जैव विविधता प्रबंधन समिति के सदस्य एवं कार्यकाल

जैव विविधता प्रबंधन समिति में कुल 7 सदस्य होंगे जिनमें से 1-आयुष्म, 1-SC/ST सदस्य, 2- महिला सदस्य, 2-अन्य सदस्य एवं 1-सचिव जो की सरकारी विभाग का प्रतिनिधि हो। समिति में जैवविविधता से जुड़े विषय पर शिक्षा प्राप्त किये हुए, कृषि, बागवानी, मत्स्यपालन, पशुपालन, जड़ीबूटी का ज्ञान रखने वाले, जैव विविधता/प्रकृति से लगाव रखने वाले लोगों का सदस्य बनना वांछनीय है। जैव विविधता प्रबंधन समिति का कार्यकाल 5 वर्ष, यानि स्थानीय पंचायत के सामान है परन्तु कार्यकाल पूर्ण होने के बाद भी नयी समिति के गठन तक पूर्व समिति यथावत कार्य करती रहेगी।



जैव विविधता प्रबंधन समिति की जिम्मेदारी

लोक जैव विविधता पंजिका तैयार करना, जैव-संसाधनों के वाणिज्यिक उपयोग से होने वाले लाभ का प्रबंधन, लोक जैव विविधता पंजिका में अभिलिखित पारम्परिक ज्ञान का संरक्षण करना, जैव विविधता के प्रति लोगों को जागरूक करना एवं अपने क्षेत्र में जैव विविधता के संरक्षण हेतु कार्य योजना बनाना।



हरियाणा राज्य जैवविविधता बोर्ड

लोक जैवविविधता पंजिका-PBR

लोक जैवविविधता पंजिका (PBR)

जैवविविधता अधिनियम-2002 की धारा 41(1) एवं जैवविविधता नियम-2004 की धारा 22 (6) के अंतर्गत हर एक स्थानीय निकाय स्तर पर स्थित की गयी जैवविविधता प्रबंधन समिति के द्वारा लोक जैवविविधता पंजिका (PBR) को बनाया जाता है। यह एक ऐसा दस्तावेज है जो कि समय-समय पर परिस्थिति के अनुसार बदलता रहता है।

लोक जैवविविधता पंजिका बनाने की प्रक्रिया

- लोक जैवविविधता पंजिका जैवविविधता प्रबंधन समिति के द्वारा लोगों की भागीदारी से बनायी जाती है जिसमें तकनीकी सहायता समूह जानकारी इकट्ठा करने में एवं विरूपण करने में सहायता करेगा एवं राज्य जैवविविधता बोर्ड दिशा निर्देशन, कार्य प्रक्रिया की निगरानी और अन्य सहायता उपलब्ध करवाएगा।
- लोक जैवविविधता पंजिका (PBR) एक ऐसा दस्तावेज है जिसमें स्थानीय फसलें, पालतू जानवरों, जंगली जड़ी-बूटी, पेड़-पौधे, पशु-पक्षी, कीड़े-मकोड़े, सूक्ष्म जीव इत्यादि सारे जीव उनकी वर्तमान एवं पहले की स्थिति, उनसे जुड़ा हुआ परम्परागत ज्ञान एवं ज्ञान धारक, जनसांख्यिकी, परिदृश्य, जीव संसाधनों का व्यावसायिक उपयोग इत्यादि सारी विस्तृत जानकारी सम्मिलित की जाती है।



लोक जैवविविधता पंजिका का महत्व

- लोक जैवविविधता पंजिका एक ऐसा दस्तावेज है जहां एक ही स्थान पर स्थानीय निकाय के क्षेत्र के अंतर्गत पायी जाने वाली जैवविविधता और उससे जुड़े सारे ज्ञान को संजो के रखा जा सकता है।
- लोक जैवविविधता पंजिका जैवविविधता से जुड़े पारम्परिक ज्ञान जो कि आजके समय में बुजुर्गों के साथ नष्ट होता जा रहा है उसको संरक्षित रखने एवं एक पीढ़ी से दूसरी पीढ़ी तक पहुंचाने का माध्यम है।
- लोक जैवविविधता पंजिका जैवविविधता की स्थिति से इसे समय-समय पर अवगत कराने, जीव संसाधनों के वाणिज्यिक उपयोग के द्वारा प्राप्त लोगों का प्रबंधन एवं जीव संसाधनों के निर्विकल्पक उपयोग, सकल वन्य प्रजातियों के संरक्षण की रूप रेखा बनाने इत्यादि के लिए मूलभूत एवं महत्वपूर्ण दस्तावेज है।
- लोक जैवविविधता पंजिका एक कानूनी दस्तावेज भी है जो स्थानीय जीव संसाधनों एवं उससे जुड़े पारम्परिक ज्ञान पर स्थानीय लोगों के अधिकारों को स्थापित करता है और यह अंतरराष्ट्रीय व्यापार तक मान्य है।



हरियाणा राज्य जैवविविधता बोर्ड

5.7 Publications - Booklets/Pamphlets

5.7.1 Booklets

(a) A Booklet titled “International Day for Biological Diversity-REPORT IDB-2021” was prepared and got printed in English. It included proceedings of the Webinar on “Challenges in Biodiversity Conservation - State’s Perspective”.

1100 copies of this booklet were got printed and distributed/sent to NBA, TSGs, District Coordinators, HSBB and officers of Forest and Wildlife Department, Haryana.



(b). Booklet on “Guidelines for constitution of Biodiversity Management Committees”

A Booklet titled “Guidelines for constitution of Biodiversity Management Committees” was previously got printed in Hindi during the year 2020-21. This booklet was revised and got re-printed during the year. This booklet contains the guidelines for constituted of Biodiversity Management Committees (BMCs), their functions, duties, Conservation of Biodiversity, Importance of PBRs, Meetings, Members etc. This booklet is very useful for BMCs to make them understand the importance of biodiversity.

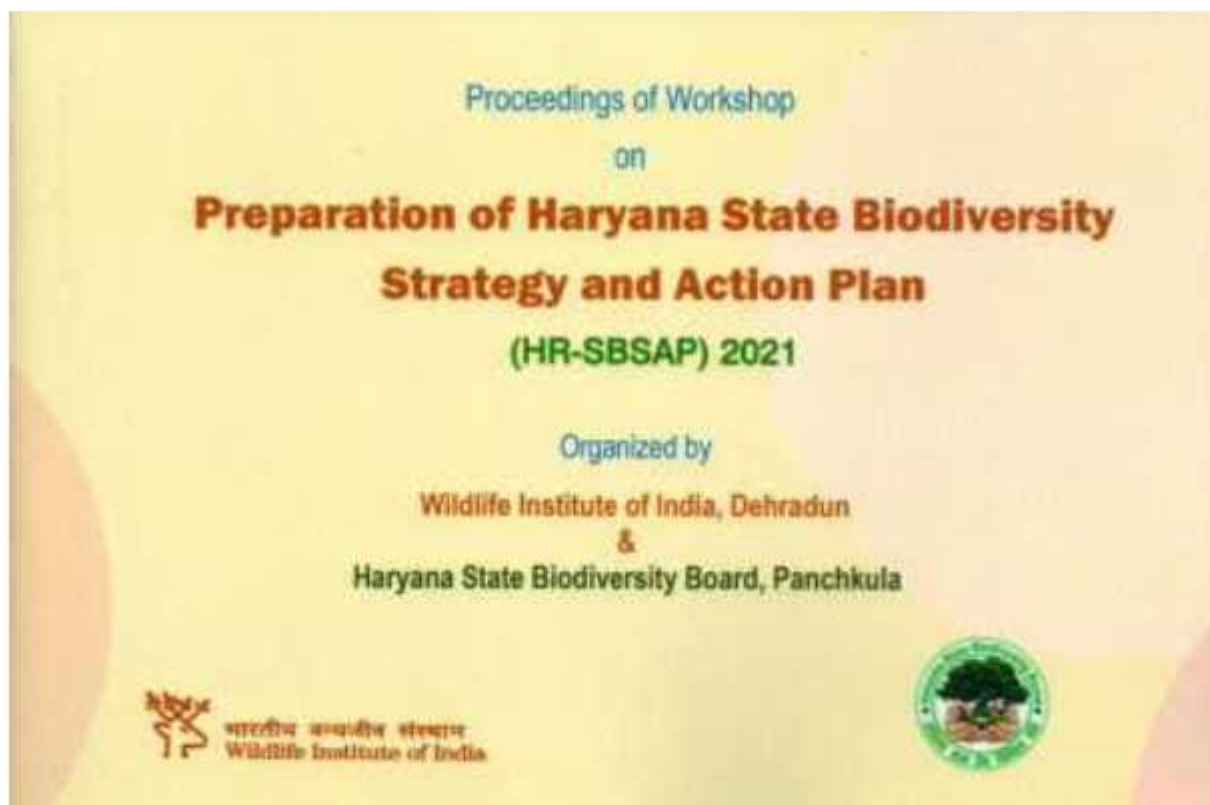
16000 copies of this booklet were got printed and were distributed among TSGs and District Coordinators, HSBB for further distribution among BMCs and also for distribution in the Workshops held by HSBB.



(c). Proceedings of Inception Workshop on “Preparation of Haryana State Biodiversity Strategy and Action Plan” held on 30.07.2021

An Inception Workshop was held on 30.07.2021 by HSBB in collaboration with Wildlife Institute of India for preparation of Haryana State Biodiversity Strategy and Action Plan.

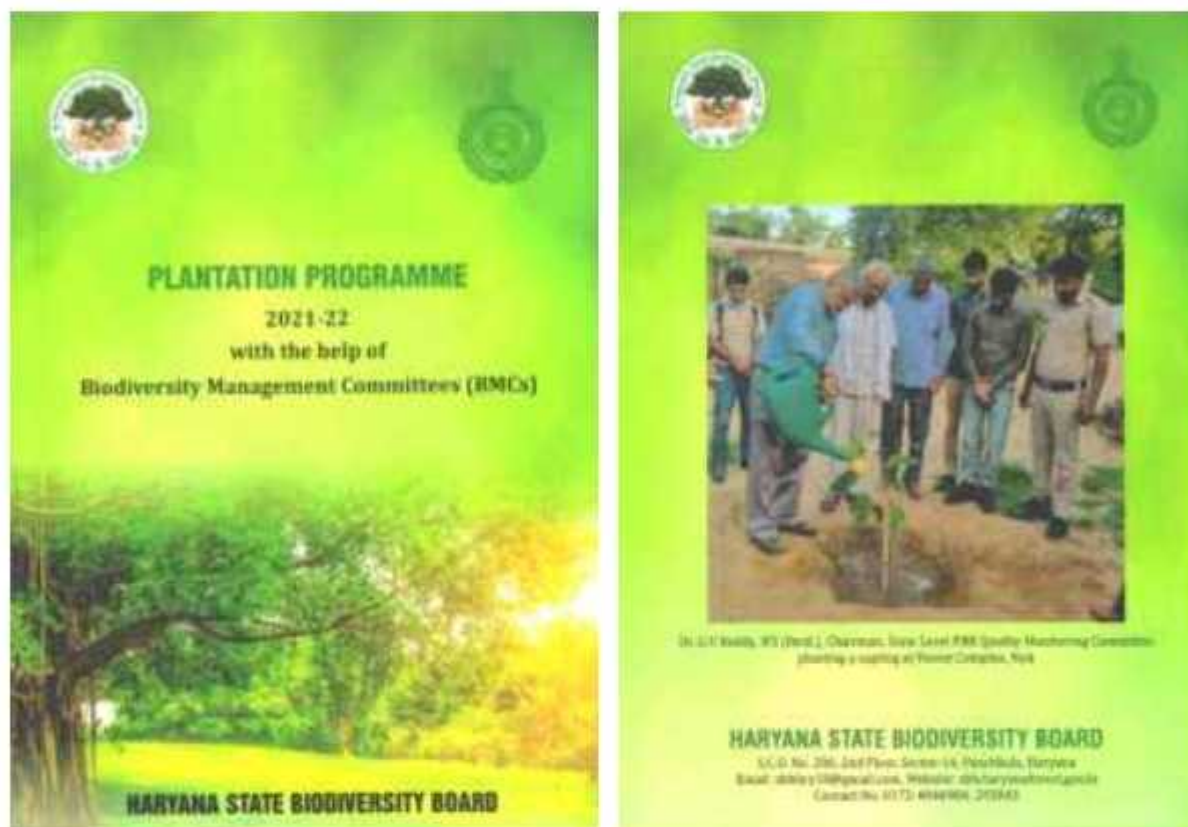
200 copies of this booklet were got printed and were distributed among TSGs and District Coordinators, HSBB and these were also sent to officers of Forest and Wildlife Department, Haryana and also for distribution in the Workshops held by HSBB.



(d) Plantation Programme with help of BMCs

HSBB undertook plantation in 1110 Gram Panchayats with the help of BMCs during the monsoon season and on the occasion of celebration of Raksha Bandhan on 25.08.2021. About 5,551 plants in the form of Panchwatis were got planted and 64,433 plants were got distributed.

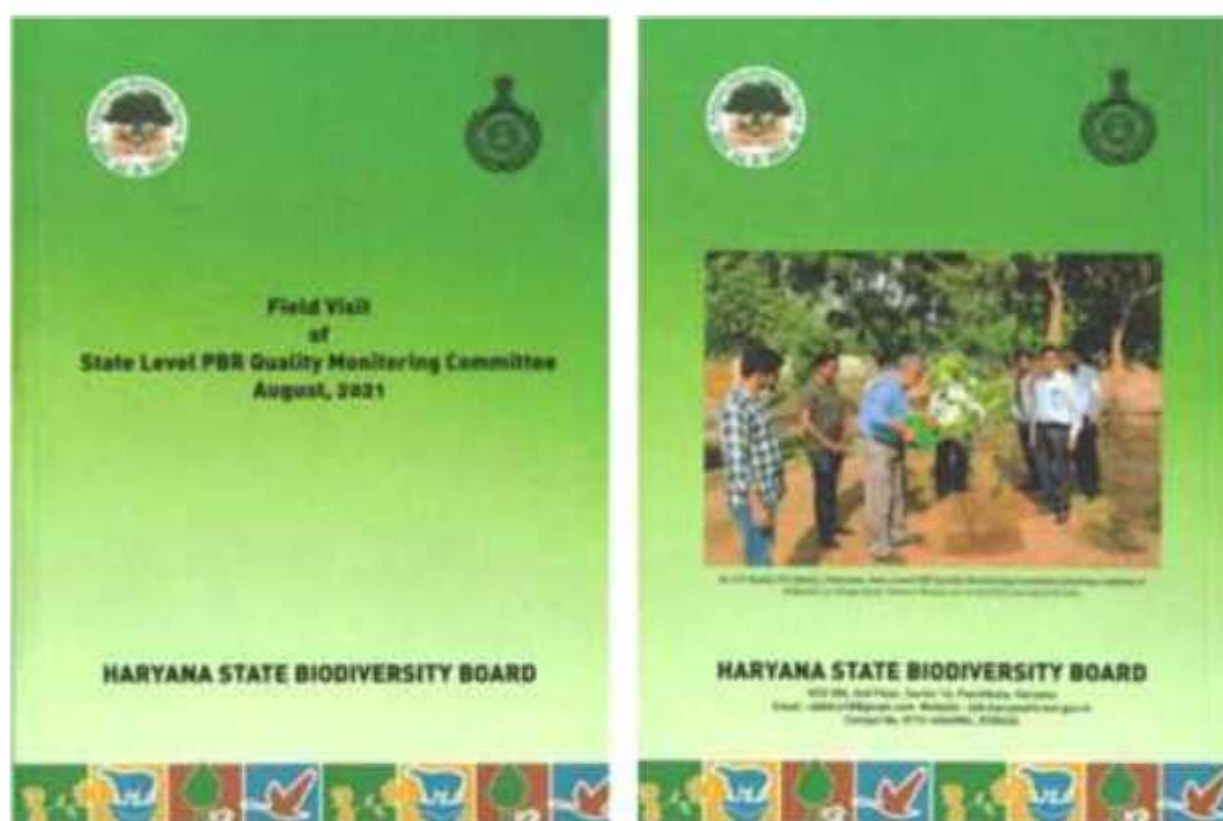
100 copies were got printed and were sent to the State Govt./officers of Forest Department/TSGs/District Coordinators, HSBB.



(e) Field Visit of State Level PBR Quality Monitoring Committee

The State of Haryana constituted the State Level PBR Quality Monitoring Committee vide order dated 23.04.2021. This Committee visited 9 districts in the 2nd fortnight of August, 2021 to assess the quality of PBRs being prepared by the BMCs with the help of TSGs engaged by HSBB for this purpose. A booklet containing the proceedings of the 3rd and 4th meeting of SLPBRQMC and comments/observations/ suggestions given by the members of SLPBRQMC during the visit was got published.

100 copies of this booklet were got printed and distributed to TSGs/ District Coordinators, HSBB etc.

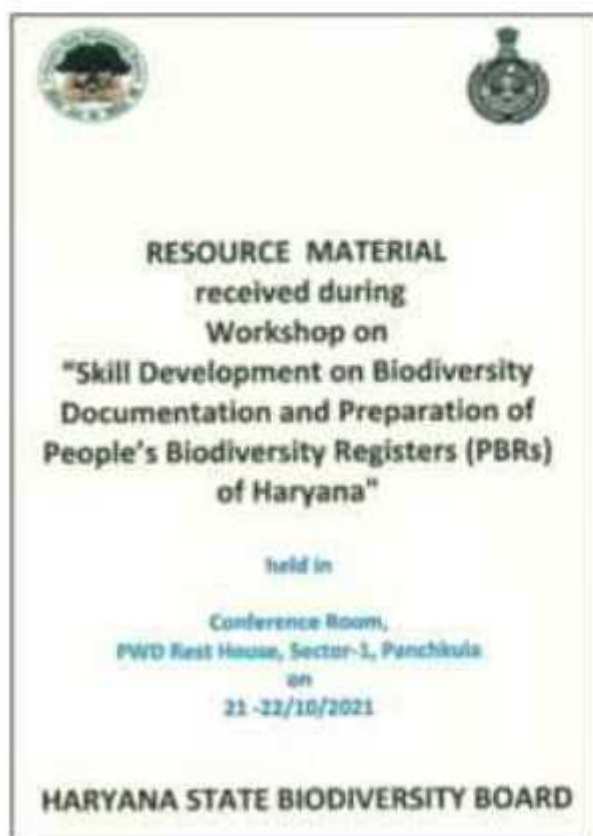


(f) Resource material received during Workshop on “Skill Development on Biodiversity documentation and preparation of People’s Biodiversity Registers (PBRs) of Haryana”

HSBB organized a Workshop on “Skill Development on Biodiversity documentation and preparation of People’s Biodiversity Registers (PBRs) of Haryana” on 21-22.10.2021. Experts from various fields were invited as Resource Persons so that the field teams of the TSGs and District Coordinators of HSBB can be trained in the basic concepts related to Biodiversity and PBR as per the Formats of the ideal PBR.

The resource material received from the Resource Persons during this Workshop was compiled in the form of a booklet.

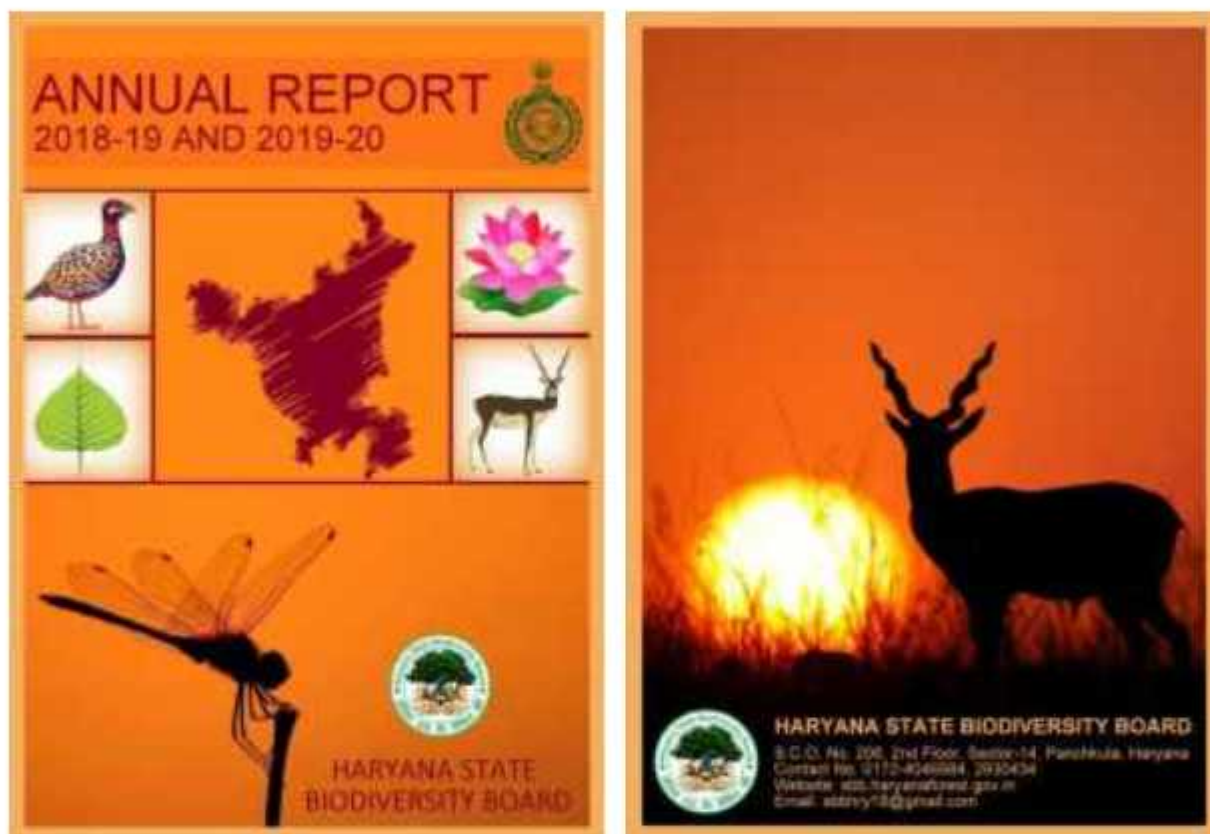
40 copies were got prepared and the same were distributed to TSGs/ District Coordinators, HSBB/ Members of SLPBRQMC and CPBRQMC.



(g) Annual Report 2018-19 and 2019-20

The accounts of HSBB for the year 2018-19 and 2019-20 were got audited from M/s Minocha & Minocha, Chartered Accountants. Annual report for these years was compiled and got printed in the form of a booklet.

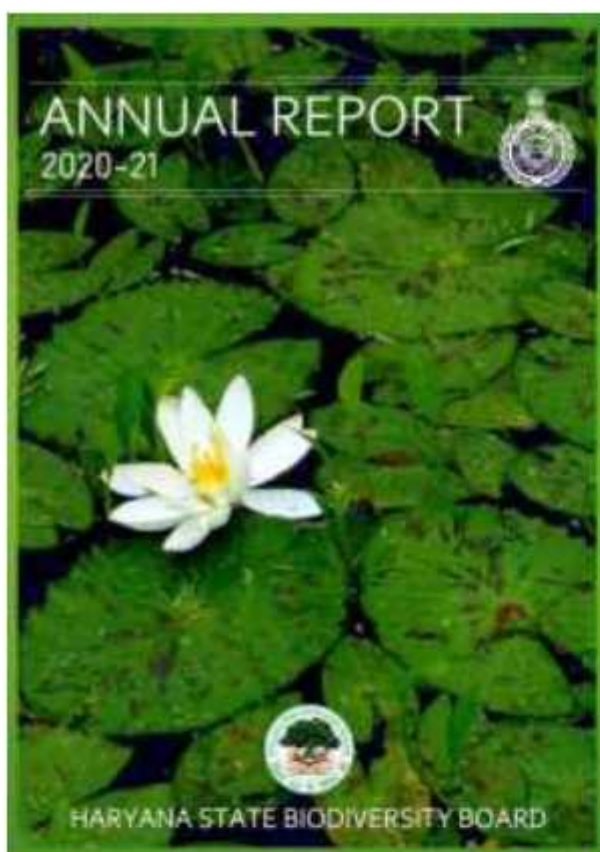
300 copies were got printed and were sent to NBA, Chairmen/Member Secretaries-SBBs and UTBCs, Government of India and Government of Haryana, officers of Forest Department, TSGs, District Coordinators, HSBB etc.



(h) Annual Report 2020-21

The accounts of HSBB for the year 2020-21 were got audited from M/s Jolly Associates, Chartered Accountants. Annual report for this year was compiled and got printed in the form of a booklet.

300 copies were got printed and were sent to NBA, Chairmen/Member Secretaries-SBBs and UTBCs, Government of India and Government of Haryana, officers of Forest Department, TSGs, District Coordinators, HSBB etc.



5.7.2. Pamphlets

Pamphlets on introduction to 'Biodiversity Conservation and functions of HSBB', 'Biodiversity Heritage Sites' and 'Guidelines on Access to Biological Resources and Associated Knowledge and Benefit Sharing' were got published in English and Hindi. 6,000 copies of each pamphlet in Hindi and English were got printed for wider distribution among BMCs, General Public, Students etc.





6. CONSTITUTION OF BIODIVERSITY MANAGEMENT COMMITTEES (BMCS)

A total of 6435 BMCs have been constituted in the State. The details of the BMCs constituted at various local bodies level are as below: -

| Local Body | No. of BMCs to be constituted | No. of BMCs constituted |
|---------------------------------------|-------------------------------|-------------------------|
| Zila Parishad Level | 21 | 21 |
| Municipal Committee/Corporation Level | 85 | 85 |
| Block Level | 125 | 125 |
| Gram Panchayat Level | 6,204 | 6,204 |
| Total | 6,435 | 6,435 |

HSBB has constituted 6,435 BMCs. One BMC namely Lakhan Majra Block in Rohtak district could not be constituted due to court case. BMC of Charkhi Dadri district could also not be constituted as Charkhi Dadri district is part of Bhiwani Zila Parishad.

7. TRAINING IMPARTED TO BMCs AND OPENING OF BANK ACCOUNTS OF BMCs

During the year 2021-22, the status of data collection for updation of PBRs, preparation of 2nd draft PBRs, training imparted to BMCs and opening of Bank Accounts of the BMCs as per the report submitted by Technical Support Groups (TSGs) is as below: -

| Name of District | Total Number of PBRs to be prepared at GP Level | Data collected for updation of PBRs | 2 nd Draft PBR prepared as per TSG (No.) | Number of BMCs Trained | Number of Bank Accounts opened |
|------------------|---|-------------------------------------|---|------------------------|--------------------------------|
| Ambala | 408 | 397 | 124 | 397 | 368 |
| Panchkula | 128 | 125 | 87 | 113 | 128 |
| Yamunanagar | 472 | 472 | 110 | 472 | 472 |
| Bhiwani | 303 | 290 | 198 | 198 | 290 |
| Jind | 300 | 300 | 203 | 203 | 280 |
| Charkhi Dadri | 166 | 166 | 125 | 125 | 166 |
| Faridabad | 116 | 106 | 35 | 106 | 102 |
| Gurugram | 203 | 104 | 26 | 101 | - |
| Sonipat | 304 | 149 | 20 | 149 | 272 |
| Panipat | 175 | 37 | 37 | 37 | 16 |
| Nuh | 318 | 211 | 4 | 211 | 276 |
| Palwal | 260 | 89 | 8 | 89 | 146 |
| Rohtak | 139 | 72 | 5 | 72 | - |
| Rewari | 359 | 359 | 310 | 359 | 313 |
| Jhajjar | 250 | 250 | 227 | 160 | 199 |
| Mahendergarh | 346 | 346 | 346 | 295 | 180 |
| Sirsa | 338 | 280 | 51 | 258 | 80 |
| Fatehabad | 258 | 235 | 40 | 195 | 151 |
| Hisar | 308 | 291 | 32 | 254 | 29 |
| Kaithal | 277 | 89 | 29 | 128 | 24 |
| Kurukshetra | 394 | 283 | 47 | 283 | 212 |
| Karnal | 382 | 77 | 16 | 82 | 74 |
| Total | 6,204 | 4,728 | 2,080 | 3,305 | 2,810 |



8. PREPARATION OF PEOPLE'S BIODIVERSITY REGISTERS (PBRs)

In Haryana, 6,435 People's Biodiversity Registers (PBRs) at the Block, Zila Parishad, Municipal Committee/Corporation and Gram Panchayat level had been prepared in the form of 1st draft till 31st March, 2021. 2,080 2nd draft PBRs have been prepared with the help of TSGs during 2021-22.

9. SELECTION OF BIODIVERSITY HERITAGE SITES (BHS)

Section 37 of the Biological Diversity Act, 2002 provides for declaration of areas of biodiversity importance as Biodiversity Heritage Sites. Two sites have been identified which are important from conservation of biodiversity point of view. Further needful action is being taken in this regard.

10. ACCESS BENEFIT SHARING

HSBB had engaged Technical Support Groups (TSGs) during the year 2019-20 for Awareness Generation and Training to BMCs on conservation of biodiversity and Access Benefit Sharing. An amount of Rs. 81,900/- has been received from NBA as ABS. This amount has not so far been disbursed for want of the details of beneficiaries/BMCs to whom this amount is to be disbursed.

11. MEETINGS OF DISTRICT LEVEL EXPERT COMMITTEES

District Level Expert Committees (DLECs) have conducted meetings with TSGs to review the progress of trainings imparted to BMCs and status of PBRs preparation during the year.



DLEC Meeting of Kurukshetra District held on 01.07.2021



DLEC Meeting of Panchkula District held on 02.07.2021



DLEC Meeting of Rewari District held on 08.07.2021



DLEC Meeting of Hisar District held on 30.07.2021



DLEC Meeting of Palwal District held on 27.12.2021



DLEC Meeting of Bhiwani District held on 27.03.2022

12. RIGHT TO INFORMATION (RTI)

To provide information related to Haryana State Biodiversity Board and in compliance of Right to Information Act, 2005, Sh. Gurmeet Singh, HFS (Retd.), Scientific Officer has been appointed as State Public Information Officer for the HSBB and Member Secretary, HSBB has been designated as Appellate Authority.

- (a) In response to RTI Application of Sh. Mahavir S/o Sh. Bhula Ram resident of VPO Jakhauli, district Kaithal dated 13.05.2021, the requisite information was provided under RTI Act vide this office letter No. HSBB/456 dated 10.06.2021.
- (b) In response to RTI Application of Sh. Naresh Kadyan dated 21.06.2021, the requisite information under RTI Act was provided vide letter No. HSBB/1278 dated 30.09.2021.
- (c) In response to RTI Application of Sh. Satpal S/o Sh. Abhey Ram, resident of VPO Barsana, district Kaithal dated 25.08.2021, the requisite information under RTI Act was provided vide letter No. HSBB/1661 dated 10.12.2021.
- (d) In response to RTI Application of Sh. Ramesh Chander S/o Sh. Banwari Lal, resident of H.No. 45, Gali Numer-1, SITC Colony, district Sirsa dated 21.10.2021, the requisite information under RTI Act was provided vide letter No. HSBB/1662 dated 10.12.2021, letter No. HSBB/1888, 1889 dated 31.01.2022, letter No. HSBB/2223 dated 16.03.2022.
- (e) In response of RTI Application of Sh. Sartaj S/o Sh. Raj Singh Yadav, resident of Nimrana, District Alwar (Rajsthan), the requisite information under RTI Act was provided vide letter No. HSBB/2057 dated 25.02.2022.
- (f) In response of RTI Application of Sh. Gulshan Dawar, Authorized signatory, Ayurvedic Drug Manufacturer Association, Haryana, 430, HSIDC Ind. Area Sector-3, Karnal, the requisite information under RTI Act was provided vide letter No. HSBB/2289 dated 28.03.2022.

13. FINANCIAL ACHIEVEMENTS

13.1 Budget and Expenditure

An expenditure of Rs. 790.97 Lakhs (757.40 lakhs State + 33.57 Lakhs NBA) has been incurred during the year 2021-22 against total funds of Rs. 1351.39 Lakhs (Rs. 1274.84 lakhs State Rs. 76.55 lakhs NBA) including the opening balance, grants received during the year and the bank interest.

13.2 Balance Sheet

Balance Sheet for the Financial Year 2021-22 is attached.

Haryana State Biodiversity Board Balance Sheet as on 31.03.2022

| Liabilities | Amount (Rs) | Amount (Rs) | Assets | Amount (Rs) | Amount (Rs) |
|---|---------------|---------------|------------------------------|---------------|---------------|
| RESERVES & SURPLUS | | | FIXED ASSETS | | 4,558,108.00 |
| General Reserve | | | (As per Schedule-2 Attached) | | |
| Opening Balance | 4,143.00 | | | | |
| Add: Excess Over Expenditure | 8,200.00 | 12,343.00 | | | |
| Capital Reserve | | 4,558,108.00 | CURRENT ASSETS | | |
| (Against Fixed Assets) | | | Balance with Banks | | |
| | | | - HDFC Bank (50100346885672) | 19,550,067.00 | |
| | | | - HDFC Bank (50100072478920) | 4,311,504.00 | |
| | | | - SBI (37711374501) | 31,937,910.10 | 55,799,481.10 |
| CURRENT LIABILITIES | | | LOANS & ADVANCES | | |
| Unutilized Grant | | | Advance to Suppliers / TEGs | 263,204.00 | |
| State Government Grant | 51,743,342.10 | | (As per Schedule-3 Attached) | | |
| NIA Grant | 4,297,495.00 | 56,041,337.10 | TDS paid in Advance | 818.00 | |
| (As per Schedule-1 Attached) | | | Bank Charges Recoverable | 177.00 | 264,199.00 |
| Security From Vendor (Perfect Contractor) | | 10,000.00 | NOTES ON ACCOUNTS | | |
| | | | (As per Schedule-4 Attached) | | |
| Total (Rs) | | 60,621,788.10 | Total (Rs) | | 60,621,788.10 |

AUDITORS' REPORT

In term of our Separate Report of even date attached
FOR JOLLY ASSOCIATES
CHARTERED ACCOUNTANTS
FRN- 009290N

FOR AND ON BEHALF OF THE BOARD

CA KANWALJIT SINGH JOLLY
(PARTNER)

M. No.- 056915

UDIN : 22096915AJSYA7962

Date: 16th May 2022
Place: Panchkula



Chairman
Haryana State Biodiversity Board
Panchkula

(MEMBER SECRETARY)

Member Secretary
Haryana State Biodiversity Board
Panchkula

Haryana State Biodiversity Board
Schedule-1 : Grants Unutilized Balance as on 31.03.2022

| Particulars | State Government Grant (Total) | NBA Grant (Total) | Total Grant |
|--|--------------------------------|---------------------|-----------------------|
| A. Opening Balance | 54,338,401.80 | 1,598,887.80 | 57,936,799.40 |
| RECEIPTS | | | |
| Grant Received | 72,000,000.00 | 3,935,740.00 | 75,935,740.00 |
| Interest Apportioned FY 21-22 | 1,145,714.00 | 121,078.00 | 1,266,792.00 |
| Round Off | 1.80 | - | 1.80 |
| B. Total Funds Available | 127,484,117.70 | 7,655,211.50 | 135,139,329.20 |
| Purchase of Fixed Assets (Capital Reserve) | | | |
| Purchase of Fixed Asset | 777,548.00 | - | 777,548.00 |
| Grant Returned / Refund | | | |
| Grant returned | - | 88.00 | 88.00 |
| Interest returned | - | 321,747.50 | 321,747.50 |
| Revenue Payments | | | |
| Employee Benefit Expenses | 15,543,515.00 | 1,154,650.00 | 16,698,165.00 |
| Festival Celebration Expense | 273,356.00 | - | 273,356.00 |
| Advertisement | 5,182.00 | - | 5,182.00 |
| Audit Fees | 46,020.00 | - | 46,020.00 |
| Bank Charges | 820.10 | - | 820.10 |
| CSC Charges | 10,620.00 | - | 10,620.00 |
| Electricity Charges | 61,160.00 | - | 61,160.00 |
| Exhibition Expense | 12,230.00 | - | 12,230.00 |
| Freight & Cartage Expense | 3,600.00 | - | 3,600.00 |
| Fuel Expenses | 235,811.00 | - | 235,811.00 |
| Honorarium | 521,250.00 | 4,000.00 | 525,250.00 |
| India Biodiversity Award 2021 | 119,900.00 | - | 119,900.00 |
| Insurance (Vehicle) | 16,710.00 | - | 16,710.00 |
| Interest on TDS | 2,490.00 | - | 2,490.00 |
| Meal and Refreshment | 72,043.00 | - | 72,043.00 |
| Meeting/Workshop Expenses | 1,193,544.00 | 21,820.00 | 1,215,364.00 |
| News Paper | 3,931.00 | - | 3,931.00 |
| Office Expenses | 69,534.00 | - | 69,534.00 |
| PBR Creation and Training Charges Village Level | 49,352,000.00 | 300,000.00 | 49,652,000.00 |
| Postage & Courier Charges | 9,376.00 | - | 9,376.00 |
| Preparation of Biodiversity Strategy & Action Plan | 993,600.00 | - | 993,600.00 |
| Printing and Stationery | 1,906,303.50 | - | 1,906,303.50 |
| Printing of Model PBR | 14,625.00 | - | 14,625.00 |
| Professional Charges | 128,620.00 | - | 128,620.00 |
| Rent for Building | 1,105,272.00 | - | 1,105,272.00 |
| Repair & Maintenance Building | 60,808.00 | - | 60,808.00 |
| Repair & Maintenance (Computer) | 27,341.00 | - | 27,341.00 |
| Repair & Maintenance Office | 36,456.00 | - | 36,456.00 |
| Repair & Maintenance (Vehicle) | 30,227.00 | - | 30,227.00 |
| Surajkund Crafts Mela 2022 | 885,000.00 | - | 885,000.00 |
| Telephone & Internet Exp Office | 32,864.00 | - | 32,864.00 |
| Tour & Travelling Expenses | 1,043,152.00 | - | 1,043,152.00 |
| Training Expense Improvement of PBRs | 7,370.00 | 833,291.00 | 840,661.00 |
| Training of BMCs | 582,000.00 | 836,000.00 | 1,418,000.00 |
| Training of BMCs for Skill Development & Awareness | 750,000.00 | - | 750,000.00 |
| Water Charges | 5,994.00 | - | 5,994.00 |
| IDB Function Celebration | - | 8,120.00 | 8,120.00 |
| Prize Distribution | - | 78,000.00 | 78,000.00 |
| C. Total Payments | 75,740,275.60 | 3,357,716.50 | 79,097,992.10 |
| Closing Balance (A+B-C) | 51,743,842.10 | 4,297,495.00 | 56,041,337.10 |

Date: 16th May 2022
Place: Panchkula

Haryana State Biodiversity Board
Income & Expenditure Account for the year ended 31.03.2022

| Particulars | Amount (Rs) | Particulars | Amount (Rs) |
|--|-----------------|----------------------------------|-----------------|
| To Excess of Income Over Expenditure
(carried forward to General Reserve) | 8,200.00 | By Registration Fee Income (ABS) | 6,000.00 |
| | | By Admin Charges | 2,100.00 |
| | | By Remittance from ABS | 100.00 |
| Total (Rs) | 8,200.00 | Total (Rs) | 8,200.00 |

AUDITORS' REPORT

In term of our Separate Report of even date attached.

FOR JOLLY ASSOCIATES

CHARTERED ACCOUNTANTS

FRN- 009290N

Kanwaljit Singh
CA KANWALJIT SINGH JOLLY
(PARTNER)

M. No.- 096915

UDIN: 22096915 AJSY A 7162

Date: 16th May 2022

Place: Panchkula

FOR AND ON BEHALF OF BOARD

W. Singh
(CHAIRMAN)
Chairman
Haryana State Biodiversity Board
Panchkula

(MEMBER-SECRETARY)
[Signature]
Member Secretary
Haryana State Biodiversity Board
Panchkula

Haryana State Biodiversity Board

Receipt & Payments Account for the year ended 31.03.2022

| Receipts | Amount (Rs) | Amount (Rs) | Payments | Amount (Rs) |
|--|---------------|----------------|--|----------------|
| To Opening Balance | | | By Expenditure Incurred | |
| - HFC (5010034685672) | 3,500,162.00 | | - Employee Benefit Expenses | 10,896,780.00 |
| - SB (30371877867) | 48,621,388.20 | | - Festival Celebration Expense | 273,306.00 |
| - HFC (3030072478820) | 1,755,050.00 | 52,886,590.20 | - Repair & Maintenance | 97,265.00 |
| To Grant Received from State Government | | | - Advertisement | 5,183.00 |
| - State General Grant | | 72,000,000.00 | - Audit Fees | 46,000.00 |
| To Grant Received from NBA | | | - Bank Charges | 820.50 |
| - NBA Fund Outsourcing/Contract | 1,335,000.00 | | - OSC Charges | 10,620.00 |
| - NBA Fund | | | - Electricity Charges | 61,360.00 |
| [Preparation/Update/Improvement of PBR] | 1,000,000.00 | | - Exhibition Expense | 15,290.00 |
| - NBA Fund (Training & Capacity Building for BMC, PBR) | 841,000.00 | | - Freight & Cartage Expense | 8,400.00 |
| - NBA Fund (Peer to Peer Learning) | 558,000.00 | | - Fuel Expenses | 355,813.00 |
| - NBA Fund (IOB Celebration) | 107,940.00 | | - Hypervision | 325,250.00 |
| - NBA Fund Access Benefit Sharing | 75,800.00 | 3,935,740.00 | - IOB Function Celebration | 8,120.00 |
| To Interest on Saving Ac | | 1,266,788.00 | - India Biodiversity Award 2023 | 122,500.00 |
| To Amt received from suppliers (Refund) | | 1,280,771.00 | - Insurance (Vehicle) | 18,710.00 |
| To Ex-Employee (V.S. Yarnwar) | | 150,000.00 | - Interest on TDS | 2,490.00 |
| To Registration Fee Income (AMC) | | 6,000.00 | - Meal and Refreshment | 72,040.00 |
| To Administrative Charges Recd | | 2,100.00 | - Meeting/Workshop Expenses | 1,215,364.00 |
| To Remittance from ABS | | 100.00 | - News Paper | 3,831.00 |
| | | | - Office Expenses | 69,594.00 |
| | | | - PBR Creation and Training Charges Village Level | 47,206,442.00 |
| | | | - Postage & Courier Charges | 9,376.00 |
| | | | - Preparation of Biodiversity Strategy & Action Plan | 583,900.00 |
| | | | - Printing and Stationery | 1,906,303.50 |
| | | | - Printing of Muckal PBR | 14,625.00 |
| | | | - Prize Distribution | 78,000.00 |
| | | | - Professional Charges | 128,620.00 |
| | | | - Rent for Building | 1,305,272.00 |
| | | | - Repair & Maintenance (Computer) | 27,341.00 |
| | | | - Repair & Maintenance (Vehicle) | 90,227.00 |
| | | | - Sangham Crafts Mela 2022 | 885,000.00 |
| | | | - Telephone & Internet Exp Office | 32,804.00 |
| | | | - Tour & Travelling Expenses | 1,043,152.00 |
| | | | - Training Expense-improvement of PBRs | 940,682.00 |
| | | | - Training of BMCs | 1,418,060.00 |
| | | | - Training of BMCs for Skill Development & Awareness | 750,000.00 |
| | | | - Water Charges | 5,954.00 |
| | | | - Round Off | 1.00 |
| | | | By Fixed assets purchased | 777,548.00 |
| | | | By Refund of NBA Fund (Translation of Materials, Printing & Dissemination) | 88.00 |
| | | | By Interest returned to NBA | 321,747.50 |
| | | | By Advance paid to Haryana Forest Development Corporation Ltd.(Hrgr) | 45,170.00 |
| | | | By Closing Balance | |
| | | | - HFC Bank (5010034685672) | 10,558,067.00 |
| | | | - HFC Bank (50100372478820) | 4,733,504.00 |
| | | | - SB (37711374501) | 11,832,910.50 |
| | | | | 55,799,481.50 |
| Total (Rs) | | 132,527,697.20 | Total (Rs) | 132,527,697.20 |

AUDITORS' REPORT

In term of our Separate Report of even date attached

FOR JOLLY ASSOCIATES
CHARTERED ACCOUNTANTS

FRN- 008290N

Kannaljit Singh
CA KANWALJIT SINGH JOLLY
(PARTNER)
M. No.- 996925
UDIN - 22096915AJSY4A79A2
Date: 16th May 2022
Place: Panchkula

FOR AND ON BEHALF OF BOARD

W.S. (CHAIRMAN)
Chairman
Haryana State Biodiversity Board
Panchkula

SP (MEMBER SECRETARY)
Member Secretary
Haryana State Biodiversity Board
Panchkula

HARYANA STATE BIODIVERSITY BOARD - FY 2021-22

Reconciliation of Grant Balance with Bank Balance

Grant Balance as per Balance Sheet

| | |
|---|---------------|
| State Grant in Aid (Capital Assets) | - |
| State Grant in Aid (Environment / General) | 51,743,842.10 |
| NBA Fund (BMC Creation) | 1,850,509.00 |
| NBA Fund (Access Benefit Sharing) | 80,855.00 |
| NBA Fund (IDB-2019 Celebration) | - |
| NBA Fund (IDB-2021 Celebration) | 7,600.00 |
| NBA Fund (Infrastructure) | 2,542.00 |
| NBA Fund (Outsourcing/Contract) | 199,723.00 |
| NBA Fund (Peer to Peer Learning) | 558,000.00 |
| NBA Fund (Special Component) | 1,042,379.00 |
| NBA Fund (Developing of Website & Maintenance) | 158,287.00 |
| NBA Fund (Translation of Materials, Printing & Dissem.) | 429.00 |
| NBA Fund (Preparation/Updation/Improvement of PBR) | 378,132.00 |
| NBA Fund (Training & Capacity Building for BMC, PBR) | 19,039.00 |

| | |
|---------------------------------|----------------------|
| Total Grant as per Tally | 56,041,337.10 |
|---------------------------------|----------------------|

| | |
|--|--------------|
| Add: Security From Perfect Contractor | 10,000.00 |
| Add : Reserve & Surplus | 12,343.00 |
| Less : Amount Recoverable as on 31.3.2022 | (218,034.00) |
| Less : Advance TDS paid | (818.00) |
| Less : Bank Charges Recoverable | (177.00) |
| Less : Advance paid to Haryana Forest Development Corporation Ltd.(Ymgr) | (45,170.00) |

| | |
|-----------------------------|----------------------|
| Derived Bank Balance | 55,799,481.10 |
|-----------------------------|----------------------|

| | |
|-----------------------------------|---------------|
| Bank Balance as per Balance Sheet | 55,799,481.10 |
|-----------------------------------|---------------|

| | |
|-------------------|----------|
| Difference | - |
|-------------------|----------|

Date: 16th May 2022

Place: Panchkula



Haryana State Biodiversity Board

SCHEDULE-2

Fixed Assets as on 31.03.2022

| Particulars | Opening Balance | Addition During the year | Total |
|--------------------------|---------------------|--------------------------|---------------------|
| Furniture & Fixtures | 894,607.00 | 182,788.00 | 1,077,395.00 |
| Office Equipments | 970,970.00 | 255,628.00 | 1,226,598.00 |
| Vehicle - Car Honda City | 1,144,897.00 | - | 1,144,897.00 |
| Computer & peripherals | 770,086.00 | 339,132.00 | 1,109,218.00 |
| Total | 3,780,560.00 | 777,548.00 | 4,558,108.00 |

SCHEDULE-3

Advance to Suppliers / TSGs as on 31.03.2022

| Particulars | Amount (Rs) |
|---|-------------------|
| - Wild Life Institute of India | 218,034.00 |
| - Haryana Forest Development Corporation Ltd.(Ymgr) | 45,170.00 |
| Total | 263,204.00 |

Date: 16th May 2022

Place: Panchkula



Haryana State Biodiversity Board

Schedule A

Accounting policies adopted and notes attached to & forming part of accounts for the year ended on 31st March 2022

A ABOUT BOARD

- Haryana State Biodiversity Board (HSBB) was established as per the provisions of Biological Diversity Act, 2002 to protect and preserve the biodiversity in the State of Haryana.

B SIGNIFICANT ACCOUNTING CONCEPTS

- The accounts have so far been prepared on Historical cost convention and cash basis.
- The society recognizes income and expenditure on cash / receipt basis.
- Accounting policies not specifically referred to otherwise are consistent with generally accepted accounting policies followed.

C SIGNIFICANT ACCOUNTING POLICIES

Fixed Assets And Depreciation

- No depreciation has been provided on Fixed Assets.
- Capital Reserve is made against the amount of Fixed Assets Purchased.

Revenue Recognition

- Revenue in respect of Registration Fee Income (ABS), Remittance from ABS and Admin charges is recognized on receipt basis.
- For NBA - Interest on saving account is considered as grant itself and is liable to be returned eventually. Thus the same is not recognized as income and is apportioned to different grants on proportionate basis according to day wise availability of respective grants in the bank accounts.
- For State - Interest on saving account is considered as grant itself and is clubbed in the grant for future utilization.

Contingent Liabilities

- Liabilities which are material and whose future outcome cannot be ascertained with reasonable certainty are treated as contingent and disclosed in Notes on accounts.

Events Occurring After The Balance Sheet Date

- Event occurring after the date of balance sheet are considered up to the date of finalization of accounts, wherever material.

Prior Period Adjustments

- Prior period adjustments, if material, are disclosed separately



D NOTES ON ACCOUNTS

1. Contingent liabilities (not provided for in the books of Accounts)

| As on 31st March 2022
(As certified by the management) | As on 31st March 2021
(As certified by the management) |
|---|---|
| Rs NIL | Rs NIL |

2. In the opinion of the management, "Current Assets", "Loans & Advances" are approximately of the value stated in the Balance Sheet, if, realized in the ordinary course of business and to the best of their knowledge, provisions for all known liabilities have been made.

3. Utilization of Grants (State Grant as well as NBA Grant) does not include the amount recoverable of Rs. 2,18,034/- from TSGs and Advance paid to Haryana Forest Development Corporation Ltd.(Ymgr) of Rs. 45170/- . Therefore excess amount paid is shown as amount recoverable under head Loans and Advances in Balance Sheet.

4. The interest on saving account apportioned to various grants during the year is as given below-

| Grant Name | Amount of Interest Apportioned FY 21-22 |
|--|---|
| GIA State (General) | 1,145,714.00 |
| NBA Fund (BMC Creation) | 50,509.00 |
| NBA Fund Infrastructure | 232.00 |
| NBA Fund Outsourcing/Contract | 4,373.00 |
| NBA Fund SC Component | 29,879.00 |
| NBA Fund Translation of Materials, Printing | 429.00 |
| NBA Fund (Website) | 4,135.00 |
| NBA Fund (Access Benefit Sharing) | 1,055.00 |
| NBA Fund (Preparation/Updation/Improvement of PBR) | 11,423.00 |
| NBA Fund (Training & Capacity Building for BMC, PBR) | 19,039.00 |
| Total | 1,266,788.00 |

8. Expenditure in foreign currency and earning in foreign currency are NIL.

Schedules form an integral part of the Financial Statements.

AUDITORS' REPORT

In term of our Separate Report of even date attached

FOR JOLLY ASSOCIATES

CHARTERED ACCOUNTANTS

FRN- 009290N

Kanwaljit Singh

CA KANWALJIT SINGH JOLLY
(PARTNER)

M. No.- 096915

UDIN : 22*96915ASSY4A7962

Date: 16th May 2022

Place: Panchkula



FOR AND ON BEHALF OF BOARD

W.S. (CHAIRMAN)
Chairman
Haryana State Biodiversity Board
Panchkula

(MEMBER SECRETARY)
Member Secretary
Haryana State Biodiversity Board
Panchkula

14. AUDIT REPORT

The Audit Report for the year 2021-22 has been got prepared from M/s Jolly Associates, Chartered Accountants. The same is attached.



Jolly Associates
Chartered Accountants

INDEPENDENT AUDITOR'S REPORT

To
The Chairman
HARYANA STATE BIODIVERSITY BOARD
Panchkula, Haryana

Report on the Financial Statement

We have audited the accompanying financial statements of **HARYANA STATE BIODIVERSITY BOARD**, which comprise the Balance Sheet as at 31 March 2022, the Statement of Income and Expenditure, the Statement of Receipts and Payments along with Notes on Accounts for the year then ended on that date.

Management's Responsibility for the Financial Statement

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance board in accordance with the Accounting Standard referred to by Institute of Chartered Accountants of India. This responsibility includes the design, implementation and maintenance of internal control relevant preparation and presentation of the financial statements that give a true and fair view and free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit.

We have conducted our audit with the Standard on Auditing issued by Institute of Chartered Accountant of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making these risk assessments, the auditor considers internal financial control relevant to the Board's preparation of the financial statements that give true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.



Office : 311, Sector 32A, Chandigarh - 160030
Contact No +91 172 4612279 | Email associates.jolly@gmail.com

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements, give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) in the case of the Balance Sheet, of the state of affairs of the Board as at March 31, 2022;
- b) in the case of Income and Expenditure for the year ended on that date;
- c) in the case of Receipts and Payment Account, of the transactions entered into during the year ending on 31st March 2022.

For Jolly Associates
Chartered Accountants
FRN : 009290N

Kanwaljit Singh

CA KANWALJIT SINGH JOLLY
(Partner)

Membership No. : 096915

Date : 16th May 2022

Place : Panchkula

UDIN: 22096915 AJSYYA7962







HARYANA STATE BIODIVERSITY BOARD

S. C. O. No. 206, 2nd Floor, Sector-14, Panchkula, Haryana

Contact No. 0172-4046984, 2930434

Website: sbb.haryanaforest.gov.in

Email: sbbhry18@gmail.com