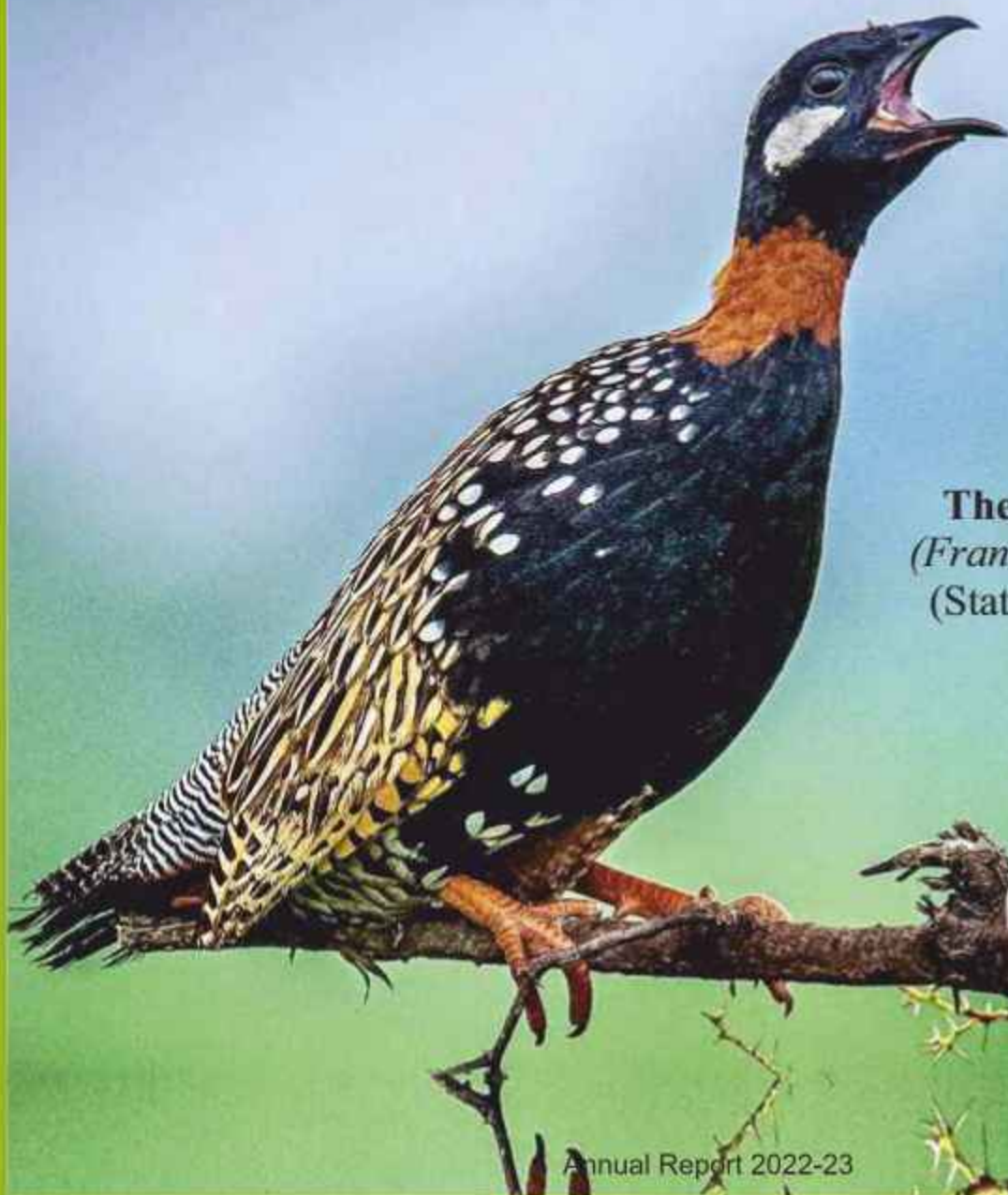




Annual Report 2022-2023



Haryana State Biodiversity Board



The Black Francolin
(*Francolinus francolinus*)
(State Bird of Haryana)

ANNUAL REPORT

2022-23



HARYANA STATE BIODIVERSITY BOARD

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Sh. Ghanshyam Shukla, IFS
Member Secretary
Haryana State Biodiversity Board



PREFACE

I am delighted to present the Annual Report of Haryana State Biodiversity Board (HSBB) for the year the year 2022-23. 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.

The Haryana State Biodiversity Board has been constantly putting efforts to create 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) at Gram Panchayat, Block, Municipal Committee/Corporation and Zila Parishad level had been prepared during the year 2022-23. 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.

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.

(Ghanshyam Shukla, IFS)

Sh. Randeep Singh Jauhar
Chairman
Haryana State Biodiversity Board



FOREWORD

Haryana State Biodiversity Board (HSBB) has finalized Annual Report for the year 2022-23. 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.

HSBB has been striving to implement the provisions of the Biological Diversity Act, 2002 to achieve the three objectives i.e Conservation of Biodiversity, Sustainable utilization of bio-resources and ensuring a fair and equitable sharing of benefits arising out of the bio-resources.

6435 People's Biodiversity Register (PBRs) at various local bodies level had been prepared till 31st March, 2023. Technical Support Groups (TSGs) had been tasked for preparation of 2nd draft of PBRs by involving local Biodiversity Management Committees (BMCs) vairs/hakims and other institutions.

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.

(Randeep Singh Jauhar)

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 5-02-2003.

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. 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.



**HARYANA GOVERNMENT
ENVIRONMENT DEPARTMENT**

Notification

The 14th November, 2006

No. S.O. 106/C. A. 18/2002/S. 22/2006- In exercise of the powers conferred by sub-section (1) of section 22 of the Biological Diversity Act, 2002 (Act 18 of 2003) the Governor of Haryana hereby appoints the date of publication of this notification in the Official Gazette, to be the date from which Haryana State Biodiversity Board shall be established consisting of the following members namely :-

Environment Minister, Government of Haryana Chairperson

Ex-Officio Members

- | | |
|--|--------|
| 1. Commissioner and Secretary to Government, Haryana, Environment Department | Member |
| 2. Financial Commissioner and Principal Secretary to Government, Haryana, Forest /Wild Life Department | Member |
| 3. Financial Commissioner and Principal Secretary to Government, Haryana, Agriculture Department | Member |
| 4. Financial Commissioner and Principal Secretary to Government, Haryana, Animal Husbandry and Dairying Department | Member |

Non Official Members

1. Dr. J. L. Dalal, C/o. Dr. R.S. Dalal, Technical Advisor to Vice Chancellor, Choudhary Charan Singh Haryana Agriculture University, Hisar.
2. Dr. D.S. Balaine C/o Dharma Pal, Deputy Director, Integrated Child Development Project, Karnal
3. Sh. Gurnam Singh, Indian Forest Service, H.No. 484-485, Sector-6, Panchkula.
4. Sh. R. C. Trigotra, Indian Forest Service, H.No. 973, Sector-9, Panchkula.
5. Dr. Mrs. Usha Moza, Principal Scientist, Central Inland Capture Fisheries Research Institute, Behind Session Court, Mal Road, Karnal.

Term and Place

1. The head office of the Board shall be at Chandigarh
2. The term of Member of the Board shall be three years from the date of publication of this notification in the Official Gazette

R. R. FULIYA,
Commissioner and Secretary to Government Haryana
Environment Department



Haryana Government Gazette

EXTRAORDINARY

Published by Authority

© Govt. of Haryana

CHANDIGARH, WEDNESDAY, NOVEMBER 27, 2013 (AGRAHAYANA 6, 1935 SAKA)

हरियाणा सरकार

पर्यावरण विभाग

अधिसूचना

दिनांक 27 नवम्बर, 2013

संख्या 2/29/2013-1-पर्या०.—जैविक विविधता अधिनियम, 2002 (2003 का केन्द्रीय अधिनियम 18), की धारा 22 की उप-धारा(1) द्वारा प्राप्ता शक्तियों का प्रयोग करते हुए, हरियाणा के राज्यपाल, इसके द्वारा, राजपत्र में इस अधिसूचना के प्रकाशन की तिथि को नियमित सदस्यों से मिलकर स्थापित होने वाले हरियाणा राज्य विविधता बोर्ड की तिथि के रूप में नियत करते हैं, अर्थात् :-

- | | |
|---|---------|
| डॉ० ए०एस० चहल | अध्यक्ष |
| पदेन सदस्य | |
| 1. प्रधान सचिव, हरियाणा सरकार, पर्यावरण विभाग | सदस्य |
| 2. अपर मुख्य सचिव, हरियाणा सरकार, वन तथा वन्य प्राणी विभाग | सदस्य |
| 3. प्रधान सचिव, हरियाणा सरकार, कृषि विभाग | सदस्य |
| 4. प्रधान सचिव, हरियाणा सरकार, पशु पालन तथा डेयरी विभाग | सदस्य |
| गैर सरकारी सदस्य | |
| 1. डॉ० कुलदीप सिंह आनन्द, आनन्द अस्पताल तथा नवदीप आंख केन्द्र, 104, आदर्श नगर, पानीपत। | |
| 2. डॉ० (प्रो०) जगवीर सिंह, प्रोफेसर पर्यावरण, देश बन्धु छोदू राम विज्ञान तथा प्रौद्योगिकी विश्वविद्यालय, मुरथल, सोनीपत। | |
| 3. डॉ० नरेन्द्र सिंह यादव सुपुत्र डॉ० कंवर सिंह, मकान नं० 111, भूतल तुएक्सोटीका वाईफिल्ड गार्डन, सैक्टर 51, गुडगांव। | |
| 4. डॉ० प्रवेज अहमद, प्रधान मुख्य संरक्षक वन (सेवा निवृत्त) मकान नं० 153, सैक्टर 21, पंचकूला। | |
| स्थान तथा अवधि | |
| 1. बोर्ड का मुख्यालय पंचकूला होगा। | |
| 2. बोर्ड के अध्यक्ष की अवधि बोर्ड में उसके कार्य ग्रहण की तिथि से तीन वर्ष होगी। | |
| 3. गैर सरकारी सदस्यों की अवधि उस तिथि को समाप्त हो जाएगी जब अध्यक्ष की अवधि समाप्त हो जाए। | |

डॉ० महावीर सिंह,
प्रधान सचिव, हरियाणा सरकार,
पर्यावरण विभाग।

**HARYANA GOVERNMENT
FORESTS & WILDLIFE DEPARTMENT**

Notification

The 12th September, 2019

No. 1593-Ft.-1-2019/13411.—In exercise of the powers and conferred by Section 22 of the Biological Diversity Act, 2002 (Central Act 18 of 2003) and in continuation of Haryana Government, Environment Department, notification No. 2/29/2013-1 Env., dated the 27th November, 2013, the Governor of Haryana hereby to re-constitute the Haryana Biodiversity Board consisting of the following members and appoints to the date of publication in the Official Gazette to be the appointed day for the purposes of sub-section (1), namely:—

Chairperson

- | | |
|---|-------------------|
| 1. A person, appointed by the Government in terms of Section 22 (4)(a) of the Biological Diversity Act, 2002. | Sh. Gulshan Ahuja |
|---|-------------------|

Ex-officio Members

- | | |
|---|--------|
| 1. Principal Chief Conservator of Forests (HoFF) | Member |
| 2. Director General, AYUSH | Member |
| 3. Director General, Agriculture | Member |
| 4. Director General, Animal Husbandry and Dairying Department | Member |
| 5. Director General, Horticulture | Member |

Expert Members

- | | |
|--|------------------|
| 1. Director, Forest Research Institute, Dehradun or his nominee | Member |
| 2. Director, Wildlife Institute of India, Dehradun or his nominee | Member |
| 3. Director, National Bureau for Plant Genetics Resources, Karnal or his nominee | Member |
| 4. Director, National Bureau for Animal Genetics Resources, Karnal or his nominee | Member |
| 5. An officer, not below the rank of Additional Principal Chief Conservator of Forests (on Deputation basis from Forest Department). | Member Secretary |

Headquarters of the Board

The Head Office of the Board shall be at such place as may be directed by the Government and, till such time as it has not been directed to be otherwise, its Headquarters shall be at Panchkula.

Chandigarh:
The 7th August, 2019.

ALOK NIGAM,
Additional Chief Secretary to Government of Haryana,
Forests & Wildlife Department.

57368—C.S.—H.G.P., Chd.

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: -

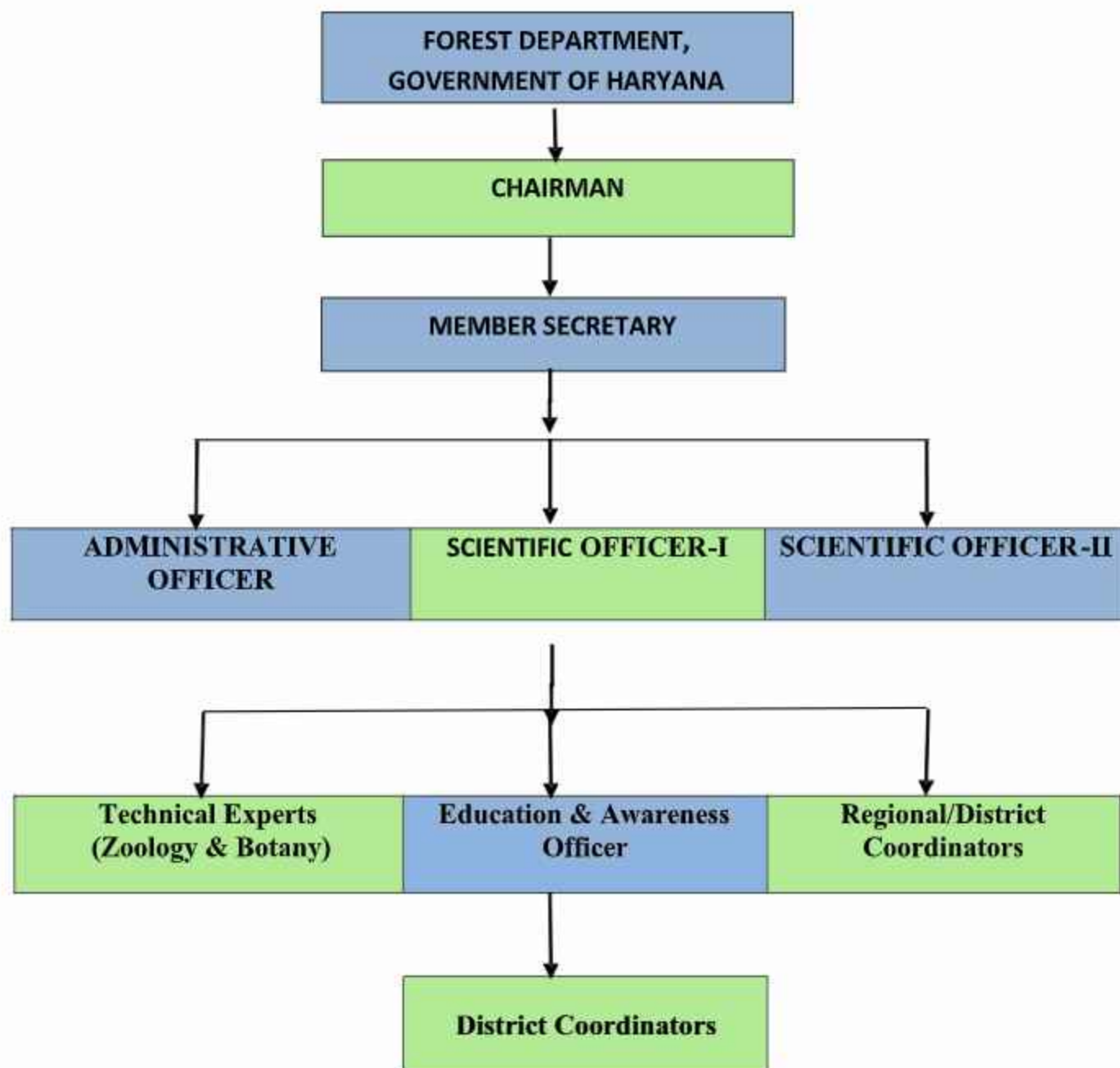
- (d) Facilitate updation and implementation of State Biodiversity Strategy and Action Plan;
- (e) Commission studies and sponsor investigation and research;
- (f) Collect, compile and publish technical and statistical data, manuals, codes and guides relating to conservation of biodiversity, sustainable 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 as under: -

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 2022-23

3.1 Permanent staff

Sr. No.	Designation	Sanctioned	Working
1.	Chariman Sh. Vineet Kumar Garg, IFS (01.02.2021 to 25.10.2022)	1	1
2.	Chariman Sh. Pankaj Goel, IFS (w.e.f. 26.10.2022)		
2.	Member Secretary Sh. Ghanshyam Shukla, IFS w.e.f. 17.09.2021	1	1

3.2 Temporary / Contractual Staff / on Deputation

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.	Technical Experts (Zoology and Botany)	2	2
3.	Education & Awareness Officer	1	1
4.	Superintendent	1	1
5.	Clerks	6	6
6.	District Coordinators	22	21
7.	Regional Coordinators	2	2
8.	Driver	1	1
9.	Peons/ Chowkidar/Sweeper	4	4

Sh. Sunil Kumar, Clerk joined HSBB on deputation from Haryana Forest Development Corporation (HFDC) from October, 2020 to 18.12.2022.

4. Meetings Conducted

4.1 Board Meeting

Two Board meetings were conducted during the year 2022-23:

9th Meeting was held on 30.05.2022 under the Chairmanship of Sh. Vineet Kumar Garg, IFS, Chairman, Haryana State Biodiversity Board in the Committee Room of HSBB, Panchkula in hybrid mode.



10th Meeting was held on 02.09.2022 under the Chairmanship of Sh. Vineet Kumar Garg, IFS, Chairman, Haryana State Biodiversity Board in the Committee Room of HSBB, Panchkula in hybrid mode.



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

Total 6 Review Meetings (2 internal and 4 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.



4.3. Review Meetings of HSBB with TSGs

Review Meetings with Technical Support Groups (TSGs) were held 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 2022-23.



Meeting with Datamation Consultants Pvt. Ltd., Gurugram



Meeting with Chhavi Charitable Society, Bhiwani



Meeting with Everain Global Services Pvt. Ltd. New Delhi



Meeting with Maaty Biodiversity Conservation and Societal Research Organization, Dehradun



Meeting with NH Consulting Pvt. Ltd. New Delhi



Meeting With SPACE, Chandigarh



TDU, Bangalore (Karnataka)

5. Celebration of Events

5.1 Celebration of Earth Day

Biodiversity Awareness workshop was organized by Haryana State Biodiversity Board and Biodiversity Management Committee, Gusaiana, Block- Nathusari Chopta, District-Sirsa on the occasion of "International Earth Day"- 2022. As part of the program, an Awareness Rally was taken out by the students of the local school and during the workshop, a competition for designing a "bird



feeder" was organized by the various eco clubs formed at the school level in the exhibition. In the exhibition, various herbs were exhibited by the Vaidyaji, who possesses local traditional knowledge and various types items were displayed by Self Help Groups.

The Chief Guest in the programme was Mr. Vineet Kumar Garg (IFS) Chairman, Haryana State Biodiversity Board. Mr. Vinod Kumar Bishnoi-Chairman, Biodiversity Management Committee Gusaina and Mr. O. P. Bishnoi-Secretary, Bishnoi Mahasabha, Sirsa were also present. A cultural event was organized by the students of the school during the program. Mr. Vineet Kumar Garg deliberated before the people about the status and importance of biodiversity in the State of Haryana. The Education and Awareness Officer, Haryana State Biodiversity Board explained the crisis on biodiversity and its conservation methods. Dr. Ved Prakash of the Technical Support Group gave detailed information about the People's Biodiversity Register and Biodiversity Management Committee. More than 150 people from 20 Biodiversity Management Committees of Nathusari Chopta Block participated in the program. At the end of the program representatives of Biodiversity Management Committees, local environment lovers and school children were honored with mementos and certificates.

A Biodiversity Awareness program was also organized on Earth Day at Hindu Girls College, Sonipat. The program started a day earlier by launching the signature campaign run by Divisional Forest Officer Dr. Rajesh Kumar Vats for the conservation of biodiversity. In this program, competitions like Poster Making, Rangoli, Slogan Writing and Best Out of Waste were organized in which college girls students participated enthusiastically. Sh. Gurmeet Singh, Scientific Officer, HSBB, Dr Rakesh Kumar, Horticulture Officer Sonipat, Regional Coordinator, Gurugram, District Coordinators Panipat and Sonipat and Assistant Professors of the college played important role in the jury during competitions. Great Enthusiasm was visible among the students who took part in various events. On Earth Day, Dr. Rakesh Kumar called upon all the students and college staff to play effective important role in saving the earth. On this occasion, Sh. Gurmeet Singh honored the winning children by giving mementos on behalf of the HSBB. Dr. Neeta Mittal, Principal of Hindu Mahila Mahavidyalaya expressed gratitude for this commendable work of Haryana Biodiversity Board and assured to keep on organizing such events in future.



Haryana State Biodiversity Board's Scientific Officer, Regional Coordinator (West), District Coordinator, Sirsa and the entire team of Technical Support Group "Maaty" contributed in running the program smoothly.



In addition, a 5 Member delegation (including Chairman, one Scientific Officer and 3 BMC Members of Gusaiana, Sirsa district) from Haryana attended National level function of International Day for Biological Diversity-2022 at Chennai on 22.05.2022. An Exhibition on the theme of “Biodiversity, Nutritional Security and Human Well-being” was held at Chennai on this occasion by HSBB which was appreciated by all.



5.2 Celebration of International Day for Biological Diversity -2022

The International Day for Biological Diversity-2022 was celebrated in the State with great enthusiasm on 22nd May, 2022. This year's theme was "Building a shared future for all life". The theme emphasized hope, solidarity and the importance of working together at all levels for all to build a future for all life in harmony with nature. The year 2022 is a year of building capacity, opportunity and safe future. As the world is recovering from third wave of COVID-19 pandemic, the Global Community is required to re-examine its relationship with nature. By and large the humanity has come to realize that despite all out technological advances, we are completely dependent on healthy and vibrant ecosystems for our health, water, food, medicines etc. Post pandemic, we need to resolve to 'build back better' our relationship with nature more than ever and bend the curve of Biodiversity loss for the benefit of humans and all life forms on earth. Haryana State Biodiversity Board celebrated the International Day for Biological Diversity, 2022 by conducting online competitions viz: Essay Competition, Quiz Competition, Painting Competition and Photography Competitions through advertisement in newspapers. Overwhelming response was received from the participants from all across the State and UT Chandigarh. The result of various competitions was declared on 17.05.2022. State level function on International Day for Biological Diversity-2022 was held at Pinjore, district Panchkula on 22.05.2022. All the Award Winners were invited to attend the Biodiversity Conservation Awareness Camp & International Day for Biological Diversity Day-2022 at Pinjore on 21.05.2022. All the participants were taken to Herbal Park, Mallah and Vulture Conservation & Breeding Centre, Pinjore to make all the participants aware about Biodiversity Conservation. The Certificates and Mementos were presented to all the Award Winners by the Chief Guest. The amount of Cash Prizes of Rs.5000 for First prize, Rs.4000 for 2nd prize and Rs.3000/- for 3rd prize was transferred into the Bank Accounts of Award Winners of the competitions of all events. The IDB-2022 was also celebrated at Rohtak, Bhiwani, Jind and Nuh districts of the State. Message of Hon'ble Forest & Wildlife Minister and Hon'ble Chief Minister, Haryana on the occasion of IDB-2022 was sent to Director General, Information, Language & Public Relations vide this office letter No. 254 dated 17.05.2022 for publishing the same in leading Hindi and English newspapers.



Vulture Conservation & Breeding Centre, Pinjore





Forest Complex, Pinjore



Hon'ble Minister of Environment & Forests, Sh. Bhupender Yadav in Stall of HSBB during IDB 2022 at Chennai



IDB Celebration at Ch. Bansi Lal University, Bhiwani on 23.05.2022

5.3 Asian Water Bird Census 2023:

The Haryana State Biodiversity Board successfully conducted a one-day session for Asian waterbirds census at Hathnikund Barrage, Yamunanagar on 20.01.2023 in collaboration with Haryana Forest and Wildlife Department, Local BMCs, Wetland International and Bombay Natural History Society. During the field session all the officials and participants were divided into three different groups for AWC. The field session documented 24 waterbird species as given in table below:

Statistics of AWC Count-2023					
Sr. No.	Name of species	Individuals number (Bird)			Total
		Group 1	Group 2	Group 3	
1	Little cormorant <i>Phalacrocorax niger</i>	2	7	1	10
2	Little egret <i>Egretta garzetta</i>	2	0	0	2
3	Bar headed geese <i>Anser indicus</i>	98	0	0	98
4	Ruddy Shelduck <i>Tadorna ferruginea</i>	173	50	306	529
5	Great egret <i>Ardea alba</i>	1	0	2	3
6	Black kite <i>Milvus migrans</i>	3	0	0	3
7	Common pochard <i>Aythya ferina</i>	865	137	0	1002
8	Black headed gull <i>Larus ridibundus</i>	1	4	0	5
9	River tern <i>Sterna aurantia</i>	2	0	0	2
10	Green sandpiper <i>Tringa ochropus</i>	2	0	0	2
11	Spot billed Duck <i>Anas poecilorhyncha</i>	9	4	10	23
12	Bar headed Geese <i>Anser indicus</i>	126	0	0	126
13	Graylag goose <i>Anser anser</i>	1	0	0	1
14	Great cormorant <i>Phalacrocorax carbo</i>	3	0	0	3
15	Pallas's gull <i>Larus ichtyaetus</i>	3	15	0	18
16	River lapwing <i>Vanellus duvaucelii</i>	4	2	0	6
17	Common coot <i>Fulica atra</i>	5	7	2	14
18	Plain martin <i>Riparia peludicola</i>	0	20	200	220
19	Common sandpiper <i>Actitis hypoleucos</i>	0	15	0	15
20	Ferruginous duck <i>Aythya nyroca</i>	0	3	13	16
21	Red crested pochard <i>Netta rufina</i>	0	350	0	350
22	White breasted Kingfisher <i>Halcyon smyrnensis</i>	1	0	0	1
23	White wagtail <i>Motacilla alba</i>	0	0	20	20
24	Little stint <i>Calidris minuta</i>	0	0	4	4
	Total	1,301	614	558	2473

Site Form

State	Haryana	
Name of site	Hathnikund barrage	
<input checked="" type="checkbox"/> New site		
Name of parent site (if your count site is part of a larger site)	Yamuna river	
District	Yamunanagar	
Nearest large town/city	Pratapnagar and Paonta Sahib(HP)	
Protection		
<input checked="" type="checkbox"/> government <input type="checkbox"/> tradition <input type="checkbox"/> private <input type="checkbox"/> unprotected <input checked="" type="checkbox"/> the site is inside a protected area		
Type of protected area <input checked="" type="checkbox"/> wildlife sanctuary <input type="checkbox"/> other (esz)		
Name of protected area(s):	KALESAR WILDLIFE SANCTUARY AND ITS ESZ	
Name of Important Bird Area and Biodiversity Area (IBA): (enter the name of the IBA if known)		
Coordinates	Coordinates	
Decimal degrees lat 30.316367° n	Lat: 30 deg 18 min 58.92 seconds n	
Decimal degrees long 77.585401° e	Long: 77 deg 35 min 07.45 seconds e	

Site characteristics

MAIN SOURCE OF WATER	<input checked="" type="checkbox"/> River/stream	
Wetland type		
<input checked="" type="checkbox"/> barrages	<input checked="" type="checkbox"/> grassland or agricultural land	
<input checked="" type="checkbox"/> rivers, canals,	<input checked="" type="checkbox"/> freshwater marshes	
Salinity of the wetland	<input checked="" type="checkbox"/> fresh	
Area : 3.90 sq km	Altitude (metres above sea level): 332 metre	Maximum depth (m):6-10metres
Flood start (month):	Flood end (month):	
Permanence	<input checked="" type="checkbox"/> permanent	

Visit information

Date (20/01/2023)	Start time 09:00 AM	End time 01:00 PM
Method		
<input checked="" type="checkbox"/> Foot or vehicle and used telescope		
Visit coverage	Disturbance of birds during count <i>(Provides an indication of whether disturbance of the birds may have affected your counts, e.g. Were there any fishermen or hunters causing any disturbance).</i>	
<input checked="" type="checkbox"/> Excellent, 75-99%	<input checked="" type="checkbox"/> No effect	

Visit condition of the wetland	
Water level <input checked="" type="checkbox"/> wet	Ice (relevant to northern latitudes)
Tidal condition	Weather (Negative effects of weather conditions (wind, rain, fog) on counts) <input checked="" type="checkbox"/> Moderate effect
Vegetation cover (What percentage of the wetland is covered with floating or emergent water plants) <input checked="" type="checkbox"/> None	Vegetation type (main types of vegetation present in the wetland) <input checked="" type="checkbox"/> Growing on bank (Shrubs, Reeds)

Uses and threats to the wetland
 (record here main human uses that are ongoing within and immediately around the wetland during your visit)

Main uses of the wetland

Fishing <input checked="" type="checkbox"/> Not recorded	Agriculture around wetland <input checked="" type="checkbox"/> Not recorded
Cattle grazing <input checked="" type="checkbox"/> Not recorded	Other uses (Situation observed during the visit: simply describe)

Likely threats to the wetland (Record here obvious threats you can see during your visit. These help to track changes between visits and can serve as an alert for conservation action. If the threat is not given in the options below, describe it in the box below)

Development plans to site
 Are you aware of any development plans at or around the site (e.g. Reclamation of a part of or the whole wetland, road construction around or through the wetland, construction of buildings, canal construction, construction of power lines around or through the wetland, construction of wind farms around the wetland)

Development plans to site
Other likely threats to the wetland (Describe here. If you have web links to articles or newspaper reports, include these)

Likely threats to waterbirds
 (record here main human threats that are ongoing within and immediately around the wetland during your visit)

Hunting/trapping of birds <input checked="" type="checkbox"/> Not recorded	Disturbance by Domestic dogs <input checked="" type="checkbox"/> Not recorded
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Other Likely Threats to the Waterbirds

MAP: Outline map of wetland count unit (limit of the area covered by the count) with important geographical features (cities, roads, rivers, hills included). Please enclose a copy of map.





Team for AWC



Team conducting AWC under leadership of Dr. Rajiv Kalsi



The landscape of Hathnikund Barrage



Great egret and Little cormorant

5.4. Celebration of World Environment Day:

Biodiversity Conservation Awareness Programmes were conducted on the occasion of World Environment Day at Rohtak, Kurukshetra, Panipat, Kaithal and Rewari districts.



World Environment Day celebrated at Rohtak on 30.05.2022



World Environment Day celebrated at Kurukshetra on 01.06.2022



World Environment Day celebrated at Kaithal on 03-04.06.2022



River lapwing



Ruddy Shelduck



Pallas's gull



Ruddy Shelduck



Bar headed geese



White breasted kingfisher



World Environment Day celebrated at Panipat on 04 & 06.06.2022



World Environment Day celebrated at Rewari on 07-08.06.2022

5.5. State Level Wildlife Week function:

State Level Wildlife Week function was celebrated on 06.10.2022 at Government College, Chhachhrouli, Yamuna Nagar. Shri Kanwarpal ji, Education & Forest Minister, Haryana Govt. was the Chief Guest. Sh. Vineet Kumar Garg, IFS, PCCF Wildlife & Chief Wildlife Warden, Haryana welcomed the Chief Guest & other dignitaries attending the function. Sh. Jagdish Chander IFS, PCCF (HoFF) highlighted about the importance of wildlife protection. The Chief Guest exhorted the audience to protect all lives including wildlife & explained in detail about the importance of celebration of Wildlife Week. About 1200 persons including College students, representatives of 38 Biodiversity Management Committees of Yamunanagar district, Officers of forest and wildlife department, officers of Yamunanagar district & villagers from nearby areas participated in the function. An Exhibition on the theme of importance of wildlife protection was also held on the occasion. Students who stood 1st, 2nd & 3rd in Eco quiz & Painting Competitions were awarded with Certificates and mementos.





5.6 World Sparrow Day:

World Sparrow Day was celebrated on 20.03.2023 by BMC Gussaiana at JCD College of Education with great enthusiasm with the help of TSG (Maaty), District Forest Officer-Sirsa, BMC members and villagers. Sh. Ghanshyam Shukla, IFS, Member Secretary, HSBB was the Chief Guest. The programme contained various events like painting competition, speech and other cultural activities. About 15 BMCs attended the event and vowed to conserve biodiversity in particular region.



जेसीडी में विश्व गौरैया दिवस पर कार्यक्रम का आयोजन

पल पल न्यूज़: सिरसा, 20 मार्च। जेसीडी विद्यापीठ में स्थित जेसीडी कॉलेज ऑफ एजुकेशन में विश्व गौरैया दिवस पर एक जागरूकता कार्यक्रम का आयोजन किया गया जिसमें कॉलेज के प्राचार्य डॉ जयप्रकाश ने कॉलेज के स्टाफ एवं विद्यार्थियों के साथ विभिन्न स्थानों में पक्षियों के लिए मिछ्छे के बर्तनों में पाने के लिए पानी की व्यवस्था की। डॉक्टर जयप्रकाश ने कहा कि प्रत्येक वर्ष 20 मार्च को गौरैया दिवस मनाया जाता है। यह दिवस पूरी दुनिया में गौरैया पक्षी के संरक्षण के प्रति लोगों को जागरूक करने के लिए मनाया जाता है। पक्षी को अपनी घी घी से चढ़काने वाली गौरैया अब दिखाई नहीं देती। इस छोटे आकार वाले खुबसूरत पक्षी का कभी इंसान के घरों में बसेरा हुआ करता था और बच्चे बचपन से इसे देखते हुए बड़ा हुआ करते थे। अब स्थिति बदल गई है गौरैया के अस्तित्व पर छत्र संकट के बादलों ने इसको संरक्षा कापी कम कर दी है और कहीं-कहीं तो अब यह बिलकुल दिखाई ही नहीं देती। जेसीडी विद्यापीठ के महानिदेशक डॉ कुलदीप सिंह खंडहरा ने अपने संदेश में गौरैया दिवस के बारे में जानकारी देते हुए कहा कि यह दिन पहली बार 2010 में भारत में मनाया गया था और तब से दुनिया भर के कई देशों में मनाया जाता है। यह दिन व्यक्तियों और समुदायों को एक साथ आने और गौरैया की रक्षा और संरक्षण के लिए कार्रवाई करने का अवसर प्रदान करता है। विज्ञान क्लब के प्रभारी डॉ निशा गोपाल ने इस हुए सभी अतिथियों एवं छात्र छात्राओं का धन्यवाद किया इस अवसर पर कॉलेज के समस्त स्टाफ सदस्यगण, विद्यार्थी मौजूद रहे।

News Clips

वन्य जीव जंतुओं की प्रजातियों को बचाने हेतु किया प्रेरित

अज्ञ समान नेटवर्क



सिरसा। डॉ. सुनील कुमार ने जेसीडी विद्यापीठ में आयोजित 'वन्य जीव जंतुओं की प्रजातियों को बचाने हेतु किया प्रेरित' कार्यक्रम का शुभारंभ किया। डॉ. सुनील कुमार ने कहा कि वन्य जीव जंतुओं की प्रजातियों को बचाने के लिए प्रेरित किया गया है। डॉ. सुनील कुमार ने कहा कि वन्य जीव जंतुओं की प्रजातियों को बचाने के लिए प्रेरित किया गया है।

डॉ. सुनील कुमार ने कहा कि वन्य जीव जंतुओं की प्रजातियों को बचाने के लिए प्रेरित किया गया है। डॉ. सुनील कुमार ने कहा कि वन्य जीव जंतुओं की प्रजातियों को बचाने के लिए प्रेरित किया गया है।

जरूरी है पर्यावरण संतुलन के लिए गौरैया

स्वयं को पर्यावरण के अनुकूल बन लेने वाली नन्ही सी भारतीय गौरैया दो दशक पहले तक हर कहीं छुड़ में उड़ती देखी जाती थी लेकिन अब यह एक संकटग्रस्त और दुर्लभ पक्षी की श्रेणी में आ गई है। भारत के अलावा यूरोप के कई हिस्सों में भी इसकी संख्या काफी कम रह गई है। तेजी से लुप्त होती गौरैया को वेस्टवैल्ड में 'दुर्लभ प्रजाति' की श्रेणी में रखा गया है। जर्मनी, फ्रैंक, इटली, चांस, चेक गणराज्य इत्यादि कुछ अन्य देशों में भी गौरैया की संख्या तेजी से घट रही है। पश्चिमी देशों में इसकी आबादी घटकर लगभग सत्र तक पहुंच गई है। दुनियाभर में गौरैया को कुल 26 प्रजातियां पाई जाती हैं, जिनमें से पांच भारत में मिलती हैं लेकिन अब इनके अस्तित्व पर संकट के बादल घंटा रहे हैं।



अज्ञ विश्व गौरैया दिवस पर विशेष

80 फीसदी तक कम होने का अनुमान है। केंद्रीय पर्यावरण और वायुमंडल का भी मानना है कि देशभर में गौरैया की संख्या में गिरावट कमी आ रही है।

योगेश कुमार गौतम पर्यावरणविदों का कहना है कि अगर गौरैया संरक्षण के लिए समय रहते ठोस प्रयास नहीं किए गए तो संभव है कि नन्ही सी चिड़िया गौरैया इतिहास का पृष्ठा बनकर रह जाए और हमारी उड़ने वाली पक्षियों को इसके दर्शन केवल गूला या कितानों में ही हो पाए। दरअसल हम पर्यावरण के साथ जिस तरह का शिष्टाचार कर रहे हैं, उसी का नतीजा है कि हमने धरती, जल, वायु प्रकृति के इन सभी तत्वों को इस कदर प्रदूषित कर दिया है कि इसका दुष्प्रभाव अब मनुष्यों के अलावा धरती पर विद्यमान तमाम जीव-जंतुओं और पशु-पक्षियों को धुंकाता पड़ रहा है। गौरैया को तेजी से घटते संख्या को देखते हुए गौरैया के अलावा शहरी वातावरण में रहने वाले अम पक्षियों के संरक्षण के प्रति भी जागरूकता लाने के उद्देश्य से वर्ष 2010 से प्रतिवर्ष 20 मार्च को 'विश्व गौरैया दिवस' मनाया जा रहा है। गौरैया की तेजी से घटते संख्या को देखते हुए वैश्वी स्तर पर इस वर्ष 2012 में वन्य-पक्षी संरक्षण का दिनांक 20 मार्च को 'विश्व गौरैया दिवस' मनाया गया था, बिहार का भी यह

दिनांक पक्षी है। इसकी घटती संख्या को देखते हुए हमारी जीव-जंतुओं में बहुत बदलाव आया है। अपने विशिष्ट स्वभाव के चलते हमने जंगल उखाड़ दिए, प्रकृति का संतुलन धक बनाए रखने में सक्षम नहीं रह पाए हैं। पक्षियों की अनेक प्रजातियों को घातक, उनका शिकार करके या उनके अस्तित्व पर संकट पैदा कर दिया है। एक समय था, जब मुख्य अनाज खुसले ही गौरैया को चरखाहट भुन हमारे शिष्टाचार को एक अजीब सा सुन्दर मिलता था किन्तु अब यह चरखाहट कठोर राख हो गई है।

पर्यावरण संरक्षण पर प्रकाशित अपनी पुस्तक 'प्रकृति मुक्त संसार' में गौरैया को लेकर मैंने विस्तार से यह उल्लेख किया है कि भोजन तथा पानी की कमी, पक्षी शिकार करने से घेतलों के लिए उचित स्थानों की कमी, तेजी से बढ़ती पेड़-पौधे, हमारी बदलती जीवनशैली, मोबाइल संचारण का दुष्प्रभाव, तापमान में लगातार होते बदलाव इत्यादि कई ऐसे प्रमुख कारण हैं, जो गौरैया को विलुप्ति का कारण बन रहे हैं। ऐत्यों में कठोरताओं के बढ़ते प्रयोग से भी उनके अस्तित्व पर काफी बुरा असर पड़ रहा है। पर्यावरणविदों के मुताबिक गौरैया का अन्न, बाजरा, धान, पके हुए फल के टुकड़े इत्यादि खाती है किन्तु अत्याधुनिक शहरीकरण के कारण उसके प्राकृतिक भोजन के स्रोत खत्म होते जा रहे हैं। उनके अस्तित्व पर उभर रहे हैं। पेड़-पौधे लगातार तेजी से बढ़ रहे हैं और नए स्थानों के बन रहे पक्षी में गौरैया के घेतलों बढ़ने की जगह हो चली रही है। शहरों की घात छोड़कर, अब

प्रयोग इतकों में भी घर बनाने के तरीके बढ़ाने गए हैं, जिससे गौरैया के लिए घेतलों बढ़ने की जगह खत्म हो गई है। अब शहर हो या गांव, हर कहीं शहरों की संख्या में मोबाइल फोन के टॉवर बढ़ते-बढ़ते टावर लगे हैं। इन टावरों से निकलने वाला रेडिएशन गौरैया की लक्ष्यता घातके संख्या का सबसे बड़ा विघ्नकारक कारण है। दरअसल इन टावरों से निकलने वाले इलेक्ट्रो मैग्नेटिक फील्ड्स इस छोटे से पक्षी को जलजल करती हैं, जिससे उनकी प्रजनन क्षमता बहुत कम हो जाती है और यह दिव्यपण को शिकार भी होती है। इससे संतति-संतति उनके अस्तित्व पर बहुत बड़ा असर पड़ता है। पर्यावरणविदों के अनुसार गौरैया अत्यंत लचीले-लचीले इतिहास मोबाइल फोन के कृत्रिम परतों पर रहती है लेकिन शिकार की अनेक टोंड में पक्षी का तेजी से शिकार किया जा रहा है, जिससे गौरैया संतति अन्य पक्षियों के अस्तित्व पर भी उभर रहा है। बहुत बार देखा जाता रहा है कि लोग अपने घरों में गौरैया के घेतलों को बर्तनों से घाले हो उभरते देखे हैं। पक्षी शिकारी कहते हैं कि गौरैया को फिर से घेतलों के लिए लोगों को अपने घरों में कुछ ऐसे स्थान उपलब्ध बनाने चाहिए, जहां से अस्थायी से घेतलों का सके और घरों में जो इन घेतलों में उनके अंडे तथा बच्चे हमलाकर पक्षियों से सुरक्षित रह सकें। प्रकृति संतुलन तथा पर्यावरण संरक्षण के लिए अज्ञ समय की सबसे बड़ी मांग है कि हम पक्षियों के लिए वातावरण को उनके प्राकृतिक अनुकूल बनाने में सक्षम बनें अथवा वह दिन दूर नहीं, जब गौरैया शहरी और भी बहुत सारे पक्षी प्रिड तथा शहरीकरण के 'छोटे' पक्षी की भांति घुंटे तक से विलुप्त हो जाएगी। वास्तव, प्रकृति का संतुलन बहाल रखने में हमारी सहायता रही गौरैया के संरक्षण के लिए अज्ञ लोगों में बढ़े स्तर पर जागरूकता पैदा किए जाने की जरूरत जरूरत है।

संपर्क : 94167-40584

6. Awareness & Training Programmes/ Field Visits

6.1 Interaction with BMCs of Faridabad Block by Chairman, HSBB:

Detail discussions were held on 01.04.2022 among BMC members & villagers of Kot, Pawta Mohbtabad & Gothda Mohbtabad Gram Panchayats of Faridabad Block in Faridabad district and 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.



6.2 Technical Experts Orientation at HSBB and Kedarpur BMC Field Visit:

On 19th-20th, April 2022, the training program of the newly selected technical team was organized by the Haryana State Biodiversity Board. During the program, the trainees were briefed on biodiversity and various aspects related to it under the guidance of Chairman Sh. Vineet Kumar Garg, IFS. As part of the program, Awareness Programs and Field Visits were also organized in Biodiversity Management Committee Kedarpur, Panchayat Samiti, Pinjore, District, Panchkula.



In the training program, Sh. Vineet Kumar Garg, IFS, Chairman Sh. Ghanshyam Shukla, IFS, Member Secretary, Sh. Gurmeet Singh and Sh. Prakash Mehta Scientific Officers, HSBB shared their experiences.



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

A two days Krishi Mela was organized by CCS Haryana Agriculture University, Hisar on 13-14.09.2022. HSBB had put up an Exhibition on the theme of Biodiversity Conservation in this Mela in order to make students, farmers & general public aware about the functioning of HSBB and Roles and Responsibilities of Biodiversity Management Committees. Around 700 students /farmers/ eminent personalities/ field specialists visited the Exhibition. Team HSBB explained in brief about the functioning of the Board to the visitors. Publicity material was also provided to them. Dr. Vikram Delu, Technical Expert, Zoology, Sh. Umed Singh, Regional Coordinator and Mrs. Mamta Siwach, Distinct Coordinator, HSBB attended the guests and the participants. The Experts of different scientific domains including Dr. Samunder Singh, Member, SLPBRQMC, Dr. S.S. Yadav, Prof. Entomology, HAU, Dr. Dharamvir Malik, Associate Prof. Zoology, HAU, Dr. Ravikant, Assistant Prof. Zoology, HAU, Dr. Kanishth Batra, Scientist, LUVAS, Dr. Mahavir Bishnoi, SRF, Plant Genetics Department, HAU, Dr. Ajay Jangra, Assistant Scientist, Microbiology, HAU, Dr. Kuldeep, Assistant Scientist, Entomology, HAU, Dr. Pawan Poonia, Scientist, Forestry HAU visited the Exhibition and appreciated the efforts of HSBB in creating awareness about Biodiversity Conservation among the masses.





6.4. "Training from 10-12 September 2022 on "Capacity Building in Taxonomy and Systematics for Students of Life Sciences and Biodiversity Conservation Awareness Programme for BMCs" in collaboration with I.G.U, Rewari & Forest Dept. Rewari:

The Haryana State Biodiversity Board successfully organized three days Training from 10th to 12th September, 2022 on "Capacity Building in Taxonomy and Systematics for Students of Life Sciences and Biodiversity Conservation Awareness Programme for BMCs" in collaboration with I.G.U, Rewari & Forest Dept. Rewari. On the final day of the programme, a total of 75 Participants (students of Botany, Zoology, EVS (50), Resource Persons (10), Forest officials (BMC members of Rajgarh Gram Panchayat (7) participated in the field exercise. The Training activity started from Rajgarh and Takdi GP area where students were briefed about the different taxonomical groups of plants and animals present in the area. The field training included collection strategies,



different wild life census methods and different ways to document and identify local Biodiversity. In this regard, around 60 plant species were identified and collected by the students for Herbarium preparation with the help of experts. After field training an interactive session was also organized with BMC members of Rajgarh to sensitize them about Biodiversity conservation Awareness, importance of PBR and also discussed about the traditional knowledge pertaining to local biodiversity. The students and BMC members were distributed with certificates and Awareness materials. The field training had participation of Honorable Prof. (Dr.) J. P. Yadav (V.C., I.G.U, Meerpur), Dr. Arun Kumar Khuswaha (Sr. Scientist, Patanjali Research Institute), Sh. Sundar Lal (D.F.O, Rewari), Prof. (Dr.) N. K. Yadav (Head Dept. of Botany), Sh. Amrender Singh Rao (Regional Coordinator Gurugram, HSBB), Sh. Deepak (District Coordinator Rewari, HSBB) and Sh. Uma Shankar (NH consulting Pvt. Ltd.). Faculty members of Botany, Zoology and Environmental Sciences of I.G.U were also present and guided students in different aspects of Taxonomy, Ecology and Ornithology.



6.5. Awareness Programme at Hisar:

An awareness programme was organized by Lion's Club, Hisar in collaboration with Haryana State Biodiversity Board on 06.07.2022 at the premises of Government Girls High school, Dhansukh. Sh. Umed Singh (Regional coordinator, HSBB), Sh. Suresh Kumar, Sh. Visnu and Ms. Bharti Arora, District Coordinators, HSBB were invited as guests by the Club. Dr. Parveen Gill (Project officer, LUVAS) also attended the campaign as a special guest. The team HSBB Hisar shared the ideology and working mechanism on conservation of biodiversity. Tree plantation was carried and publicity material was also provided to the students and representatives of school and the Club by HSBB. The Board representatives were also honoured by the Club. On this occasion, everyone vowed to protect the environment.



6.6. Training and capacity building Programs of BMCs for updation/ quality improvement of PBRs, Biodiversity Conservation & Awareness

The Haryana State Biodiversity Board has designed a Training Schedule in such a way that it covers all development blocks. A date wise schedule is prepared in advance. A one day exhaustive camp is organized wherein all BMCs of concerned block participate.



Training Programme organized at Ambala District on 05.05.2022



Training Programme organized at Kaithal District on 06.05.2022



Training Programme organized at Kurukshetra District on 10.05.2022



Training Programme organized at Panchkula District on 11.05.2022



Training Programme organized at Sonipat District on 15.06.2022



Training Programme organized at Karnal on 17.06.2022



Training Programme organized at Jhajjar District on 22.06.2022



Training Programme organized at Rohtak District on 23.06.2022



Training Programme organized at Jind District on 24.06.2022



Training Programme organized at Charkhi Dadri District on 20.07.2022



Training Programme organized at Bhiwani District on 21.07.2022



Training Programme organized at Faridabad District on 08.08.2022



Training Programme organized at Palwal District on 09.08.2022



Training Programme organized at Nuh District on 10.08.2022



Training Programme organized at Mahendergarh District on 16.08.2022



Training Programme organized at Rewari District on 17.08.2022



Training Programme organized at Gurugram District on 30.08.2022



Training Programme organized at Yamunanagar District on 07.09.2022



Training Programme organized at Sirsa District on 13.07.2022



Training Programme organized at Fatehabad District on 14.07.2022



Training Programme organized at Hisar District on 15.07.2022



Training Programme organized at Ambala District on 08.09.2022



Training Programme organized at Panchkula District on 09.09.2022



Training Programme organized at Kaithal District on 21.09.2022



Training Programme organized at Kurukshetra District on 22.09.2022



Training Programme organized at Panipat District on 06.10.2022



Training Programme organized at Karnal District on 07.10.2022



Training Programme organized at Jhajjar District on 27.03.2023



Training Programme organized at Rohtak District on 28.03.2023

7. Peer To Peer Learning Exchange Visits

7.1 Visit to Goa State Biodiversity Board:

Four members team included officers Sh. Vineet Kumar Garg, IFS, Chairperson, Sh. Ghanshyam Shukla, IFS, Member Secretary, Sh. Gurmeet Singh, HFS (Retd.) and Sh. Prakash Mehta, Scientific Officers of Haryana State Biodiversity Board visited Goa State on 12th to 16th September, 2022 under Peer-to-Peer Learning scheme sponsored by National Biodiversity Authority with an objective to have interaction with Experts/ Conservers/ Biodiversity Management Committees (BMCs)/ Officers of Goa State Biodiversity Board and to explore the possibility of replicating some good Biodiversity Conservation Practices of that State in Haryana.



Visit to Goa State Biodiversity Board

7.2 Visit to Gujarat Biodiversity Board:

Four members team included officers Sh. Vineet Kumar Garg, IFS, Chairperson, Sh. Gurmeet Singh, HFS (Retd.), Sh. Prakash Mehta, Scientific Officers and Dr. Vikaram Delu, Technical Expert (Zoology) of Haryana State Biodiversity Board visited Gujarat State on 7th to 11th October, 2022 under Peer-to-Peer Learning scheme sponsored by National Biodiversity Authority with an objective to have interaction with Experts/ Conservers/ Biodiversity Management Committees (BMCs)/ Officers of Gujarat State Biodiversity Board and to explore the possibility of replicating some good Biodiversity Conservation Practices of that State in Haryana.



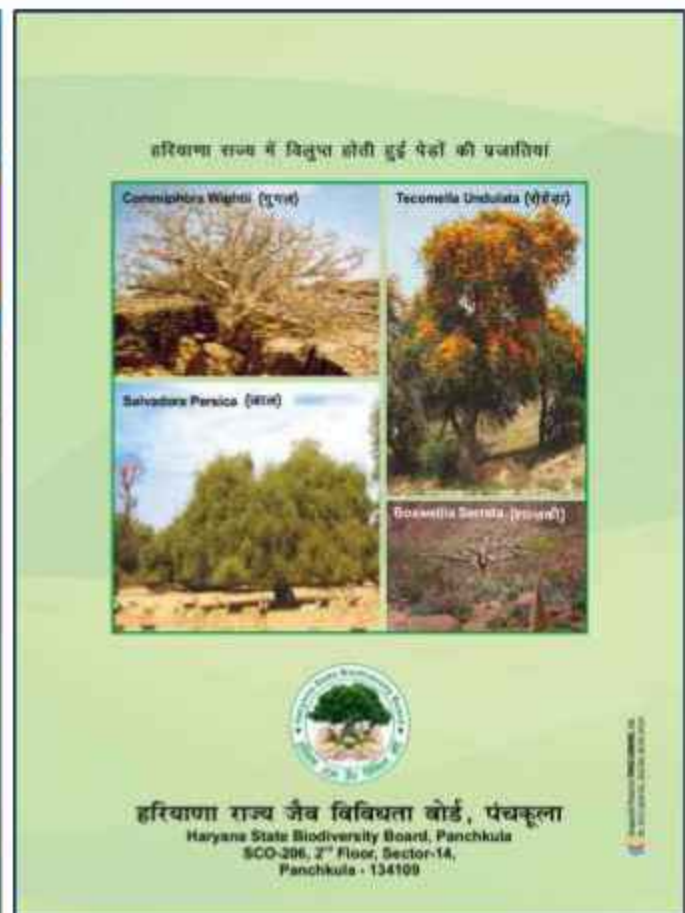
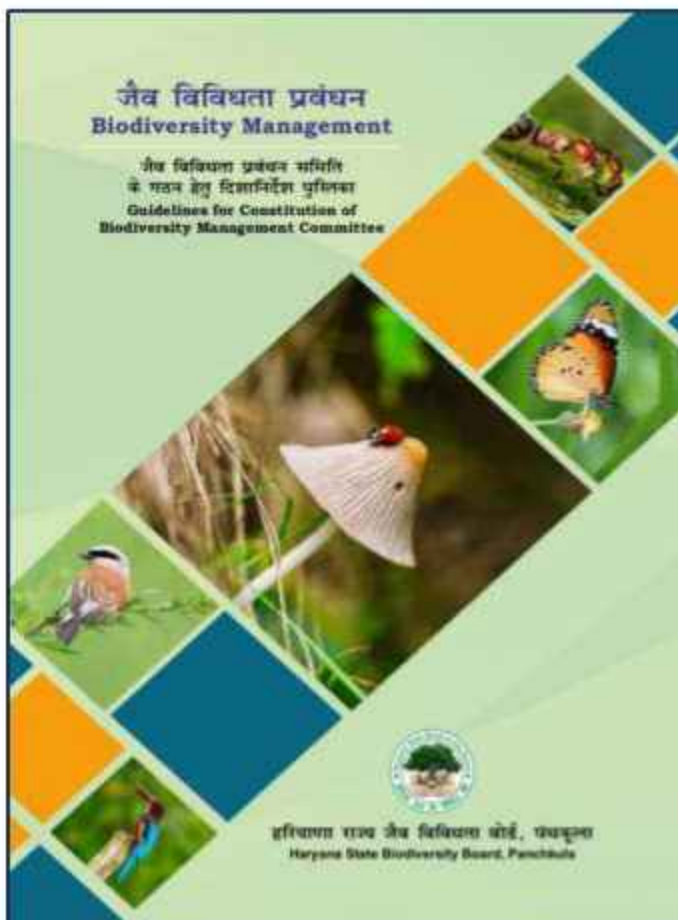
Gujarat State Biodiversity Board

8. Publications - Booklets/Pamphlets

8.1 Booklets

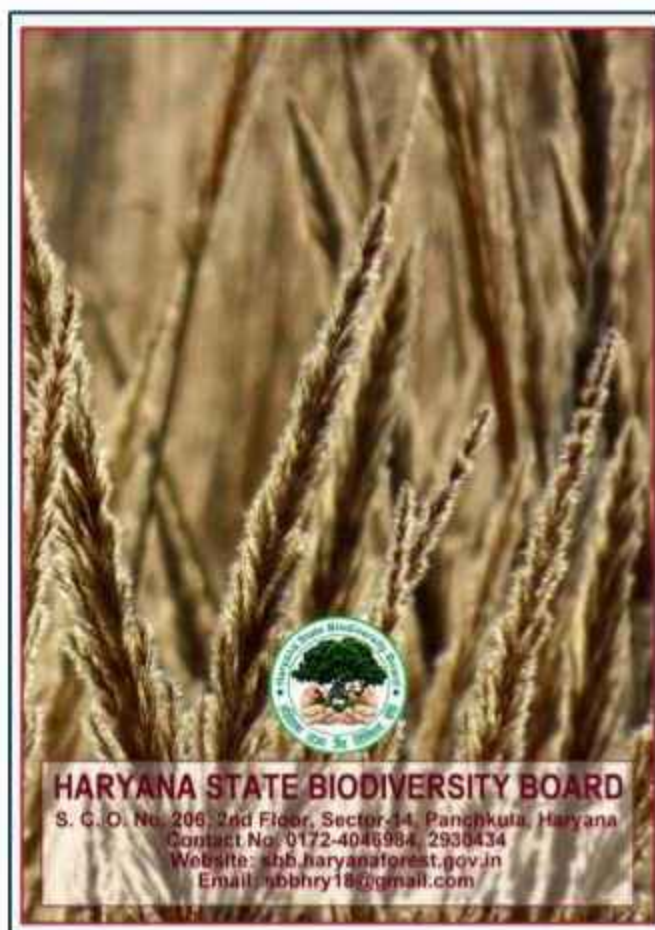
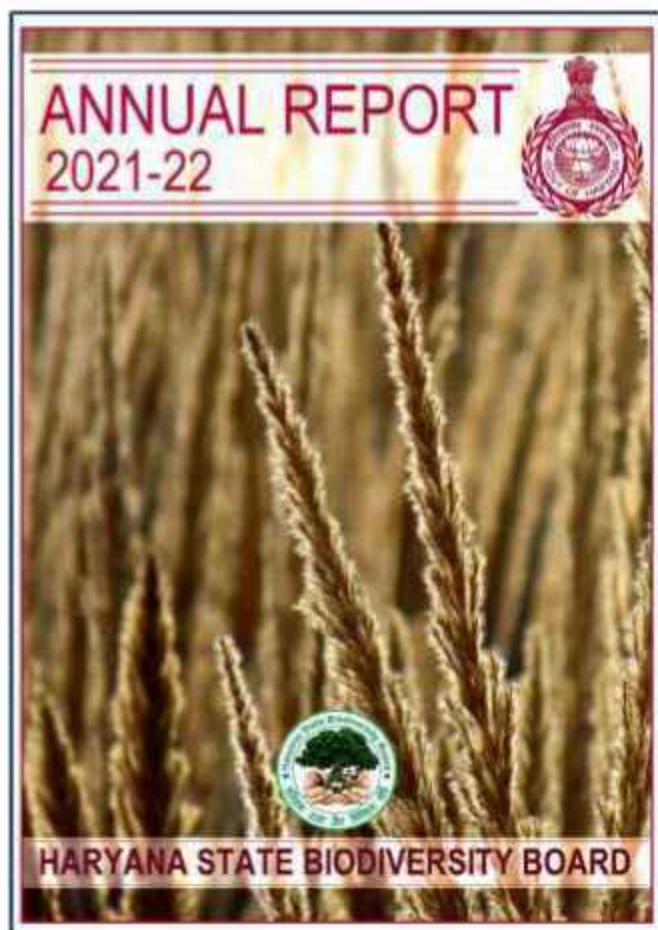
(a). Booklet on “Guidelines for constitution of Biodiversity Management Committees”

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 Constitution 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.



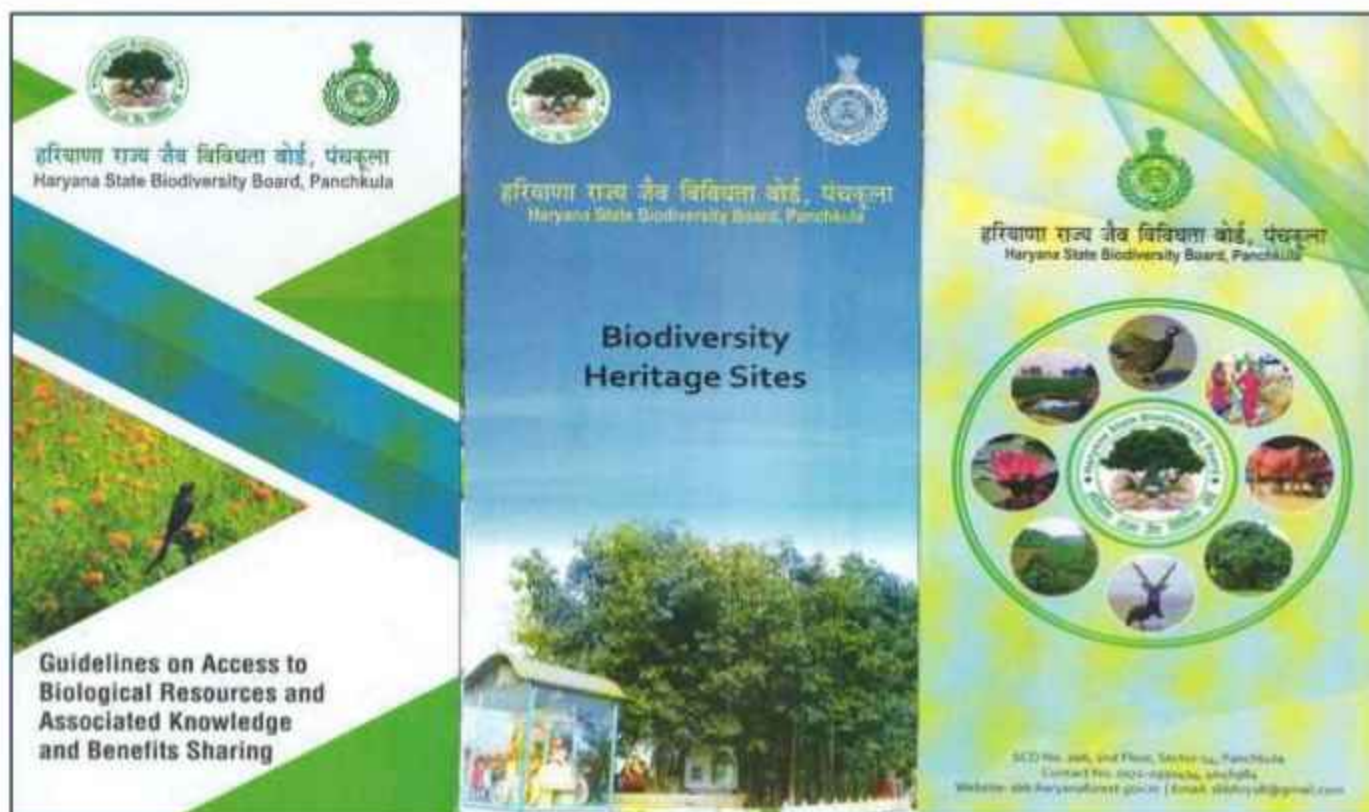
(b) Annual Report 2021-22

The accounts of HSBB for the year 2021-22 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 and it was sent to NBA, Chairmen/Member Secretaries of SBBs and UTBCs, Government of India and Government of Haryana, officers of Forest Department, TSGs, District Coordinators, HSBB etc.



8.2. 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. Pamphlets were got printed for wider distribution among Biodiversity Management Committees (BMCs), General Public, Students etc.



9. 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 constituted**
 Zila Parishad Level 21
 Municipal Committee/Corporation Level 85
 Block Level 125
 Gram Panchayat Level 6204
Total 6435

Local Body	No. of BMCs constituted
Zila Parishad Level	21
Municipal Committee/Corporation Level	85
Block Level	125
Gram Panchayat Level	6204
Total	6435

HSBB has constituted 6435 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.

10. Preparation of People's Biodiversity Registers (PBRs)

In Haryana, 6435 People's Biodiversity Registers (PBRs) at the Block, Zila Parishad, Municipal Committee/Corporation and Gram Panchayat level have been prepared with the help of Technical Support Groups (TSGs) during 2022-23. The final draft of PBRs is in progress.

11. Biodiversity Heritage Sites

As per Section 37 of Biological Diversity Act, 2002, State Biodiversity Boards are required to identify unique, ecologically fragile ecosystems, having rich biodiversity with or without a long history of human association with them. HSBB has started the process to identify such rich biodiversity heritage sites in the State. The discussions with concern Gram Panchayats is going on to seems its consent.

12. Access Benefit Sharing

HSBB had engaged Technical Support Groups (TSGs) for Awareness Generation and Training to BMCs on Conservation of Biodiversity and Access Benefit Sharing. An amount of Rs. 5,72,841/- has been received from NBA as ABS during the year 2022-23. Rs. 85,500/- has been disbursed to the claimers as per the direction of NBA.



13. Financial Achievements

13.1 Budget and Expenditure

An expenditure of Rs. 744.70 Lakhs (719.38 lakhs State + 25.32 Lakhs NBA) has been incurred during the year 2022-23 against total funds of Rs. 1036.72 Lakhs (Rs. 974.35 lakhs State Rs. 62.37 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 2022-23 is attached.

Haryana State Biodiversity Board Balance Sheet as on 31.03.2023

Liabilities	Amount (Rs)	Amount (Rs)	Assets	Amount (Rs)	Amount (Rs)
RESERVES & SURPLUS			FIXED ASSETS		3,215,714.40
General Reserve			(As per Schedule-2 Attached)		
Opening Balance	12,343.00				
Less: Excess Income Over Expendit	13,179.00	25,522.00			
Capital Reserve			CURRENT ASSETS		
Opening Balance	4,558,108.00		Balance with Banks		
Add: Fixed Assets Purchased during	813,048.00		- HDFC Bank (50100946865672)	9,532,767.00	
Less: Depreciation for the year	(667,863.60)		- HDFC Bank (50100072478920)	3,720,737.00	
Less: Depreciation for Prior years	(1,487,578.00)	3,215,714.40	- SB (37711374501)	15,973,456.40	29,276,960.40
CURRENT LIABILITIES			LOANS & ADVANCES		
Unutilized Grant			TDS paid in Advance	818.00	
State Government Grant	25,497,281.40		Bank Charges Recoverable	177.00	995.00
NBA Grant	3,705,152.00	29,202,433.40			
(As per Schedule-1 Attached)			NOTES ON ACCOUNTS		
			(As per Schedule-4 Attached)		
Total (Rs)		32,443,669.80	Total (Rs)		32,443,669.80

AUDITORS' REPORT

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


CA KANWALJIT SINGH JOLLY
(PARTNER)
M. No.- 096915
UDIN : 23096915BHBAJ5511

Date: 30th Jun 2023
Place: Panchkula



FOR AND ON BEHALF OF THE BOARD


(CHAIRMAN)
Chairman
Haryana State Biodiversity Board,
Panchkula


(MEMBER SECRETARY)
Member Secretary
Haryana Biodiversity Board
Panchkula

Haryana State Biodiversity Board
Income & Expenditure Account for the year ended 31.03.2023

Particulars	Amount (Rs)	Particulars	Amount (Rs)
To Excess of Income Over Expenditure <i>(carried forward to General Reserve)</i>	13,179.00	By Admin Charges	13,089.00
		By RTI Fee	90.00
Total (Rs)	13,179.00	Total (Rs)	13,179.00

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 - 23096915BHBAAJ5511



FOR AND ON BEHALF OF BOARD

Pankaj Khandelwal
(CHAIRMAN)
Chairman
Haryana State Biodiversity Board,
Panchkula

g. shukla
(MEMBER SECRETARY)
Haryana Biodiversity Board
Panchkula

Date: 30th Jun 2023
 Place: Panchkula

Haryana State Biodiversity Board

SCHEDULE-2

Fixed Assets as on 31.03.2023

Particulars	Opening Balance	Addition During the year	Depreciation	Depreciation for Prior Years	Total
Furniture & Fixtures	1,077,395.00	61,840.00	91,753.89	213,361.00	834,120.11
Office Equipments	1,226,598.00	212,780.00	121,026.39	229,134.00	1,089,237.61
Vehicle - Car Honda City	1,144,897.00	-	114,722.35	379,748.00	650,376.65
Computer & peripherals	1,109,218.00	538,428.00	340,310.96	665,355.00	641,980.04
Total	4,558,108.00	813,048.00	667,863.60	1,487,578.00	3,215,714.40

Date: 30th Jun 2023

Place: Panchkula



Haryana State Biodiversity Board
Receipt & Payments Account for the year ended 31.03.2023

Receipts	Amount (Rs)	Amount (Rs)	Payments	Amount (Rs)
To Opening Balance			By Expenditure Incurred	
- HDFC Bank (50100346865672)	18,550,067.00		- PBR Creation and Training Charges Village Level	34,015,160.00
- HDFC Bank (50100072478920)	4,311,504.00		- Employee Benefit Expenses	25,514,258.00
- SBI (37711374501)	<u>31,837,910.10</u>	55,799,481.10	- Training of BMCs	5,500,739.00
To Grant Received from State Government			- Tour & Travelling Expenses	1,287,052.00
- State General Grant		45,000,000.00	- Rent for Building	1,243,422.00
To Grant Received from NBA			- Printing and Stationery	760,326.00
- NBA Fund Outsourcing/Contract	1,154,650.00		- Biodiversity Conservation Awareness Programme	748,245.00
- NBA Fund (Peer to Peer Learning)			- 108 Function Celebration	587,636.00
- NBA Fund (108 Celebration)	200,000.00		- PBR Creation and Training Charges Block Level	548,589.00
- NBA Fund Access Benefit Sharing	<u>500,202.00</u>	1,854,852.00	- Training Expense-Improvement of PBRs	458,013.00
To Interest on Saving Ac		777,161.00	- Fuel Expenses	360,000.00
To Administrative Charges Recd		13,089.00	- Festival Celebration Expense	310,236.00
To RTI Fee		90.00	- G 20-2023 Promotional Expenses	308,493.00
			- India Biodiversity Award 2023	281,923.00
			- Honorarium	276,510.00
			- Office Expenses	212,753.00
			- Repair & Maintenance (Vehicle)	169,382.00
			- Professional Charges	106,200.00
			- Meal and Refreshment	103,685.00
			- Electricity Charges	94,677.00
			- Meeting/Workshop Expenses	89,222.00
			- Grant Disbursement (Access Benefit Sharing)	85,500.00
			- Prize Distribution	79,000.00
			- Repair & Maintenance Office	57,071.00
			- Repair & Maintenance (Computer)	40,544.00
			- Advertisement	39,315.00
			- Telephone & Internet Exp Office	28,448.00
			- Insurance (Vehicle)	13,393.00
			- Asian Waterbird Census	12,014.00
			- Postage & Courier Charges	8,848.00
			- Freight & Cartage Expense	7,000.00
			- Water Charges	4,583.00
			- Printing of Model PBR	4,194.00
			- News Paper	3,340.00
			- Interest on TDS	1,930.00
			- Bank Charges	489.70
			- International Women's Day 2022	260.00
			By Fixed assets purchased	767,878.00
			By Refund of NBA Fund Infrastructure	2,310.00
			By Interest returned to NBA	123,074.00
			By Refund of Security amount (Perfect Contractor)	10,000.00
			By Closing Balance	
			- HDFC Bank (50100346865672)	9,532,767.00
			- HDFC Bank (50100072478920)	3,720,737.00
			- SBI (37711374501)	<u>15,973,456.40</u>
				29,226,960.40
Total (Rs)		103,444,673.10	Total (Rs)	103,444,673.10

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.- 094915
UDIN : 23096915BHBAU5511
Date: 30th Jun 2023
Place: Panchkula



FOR AND ON BEHALF OF BOARD

(CHAIRMAN)

(MEMBER SECRETARY)

HARYANA STATE BIODIVERSITY BOARD - FY 2022-23

Reconciliation of Grant Balance with Bank Balance

Grant Balance as per Balance Sheet

State Grant in Aid (Environment / General)	25,497,281.40
NBA Fund (BMC Creation)	1,841,039.00
NBA Fund (Access Benefit Sharing)	496,062.00
NBA Fund (IDB-2021 Celebration)	7,600.00
NBA Fund (Outsourcing/Contract)	4,854.00
NBA Fund (Peer to Peer Learning)	307,605.00
NBA Fund (Special Component)	882,834.00
NBA Fund (Developing of Website & Maintenance)	157,666.00
NBA Fund (Preparation/Updation/Improvement of PBR)	7,492.00

Total Grant as per Tally **29,202,433.40**

Add : Reserve & Surplus	25,522.00
Less : Advance TDS paid	(818.00)
Less : Bank Charges Recoverable	(177.00)

Derived Bank Balance **29,226,960.40**

Bank Balance as per Balance Sheet 29,226,960.40

Difference **-**

Date: 30th Jun 2023

Place: Panchkula



D NOTES ON ACCOUNTS

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

As on 31st March 2023 (As certified by the management)	As on 31st March 2022 (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 Amount recoverable of Rs. 2,18,034 from TSG (Wild Life Institute of India) is written off during the year as per approval of the Board.
- 4 Depreciation on Fixed Assets was not charged in earlier years. Now on basis of observations of CAG office, depreciation has been charged as per the rates prescribed in the Income Tax Act 1961. Depreciation for earlier years (April 2018 to March 2022) is INR 14,87,578.
- 5 The interest on saving account apportioned to various grants during the year is as given below-

Grant Name	Amount of Interest Apportioned FY 22-23
GIA State (General)	692,021.00
NBA Fund (BMC Creation)	41,039.00
NBA Fund Outsourcing/Contract	4,854.00
NBA Fund SC Component	20,334.00
NBA Fund (Website)	3,514.00
NBA Fund (Access Benefit Sharing)	1,560.00
NBA Fund (Preparation/Update/Improvement of PE)	3,572.00
NBA Fund (Peer to Peer Learning)	10,267.00
Total	777,161.00

- 6 Expenditure in foreign currency and earning in foreign currency are NIL.

Schedules form an integral part of the Financial Statements.

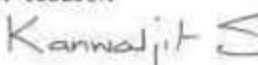
AUDITORS' REPORT

In term of our Separate Report of even date attached

FOR JOLLY ASSOCIATES

CHARTERED ACCOUNTANTS

FRN- 009290N


CA KANWALJIT SINGH JOLLY
(PARTNER)

M. No.- 096915

UDIN : 23096915BHBAUJ5511

Date: 30th Jun 2023

Place: Panchkula



FOR AND ON BEHALF OF BOARD

(CHAIRMAN)

(MEMBER SECRETARY)

Haryana State Biodiversity Board

Schedule A

Accounting policies adopted and notes attached to & forming part of accounts for the year ended on 31st March 2023

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

- Depreciation has been provided on Fixed Assets as per Income Tax Act 1961.
- Capital Reserve is made against the amount of Fixed Assets Purchased and depreciation is netted off with the balance of Capital Reserve.

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



14. Audit Report

The Audit Report for the year 2022-23 has been got prepared from M/s Jolly Associates, Chartered Accountants. The same is attached.

JOLLY ASSOCIATES
CHARTERED ACCOUNTANTS

311, Sector 32-A,
Chandigarh - 160030
India

Tel. : +91 172 4612279
www.jollyassociates.com
contactus@jollyassociates.com
associates.jolly@gmail.com

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 2023, 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 those 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.



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, 2023;
- 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 2023.

For Jolly Associates
Chartered Accountants
FRN : 009290N

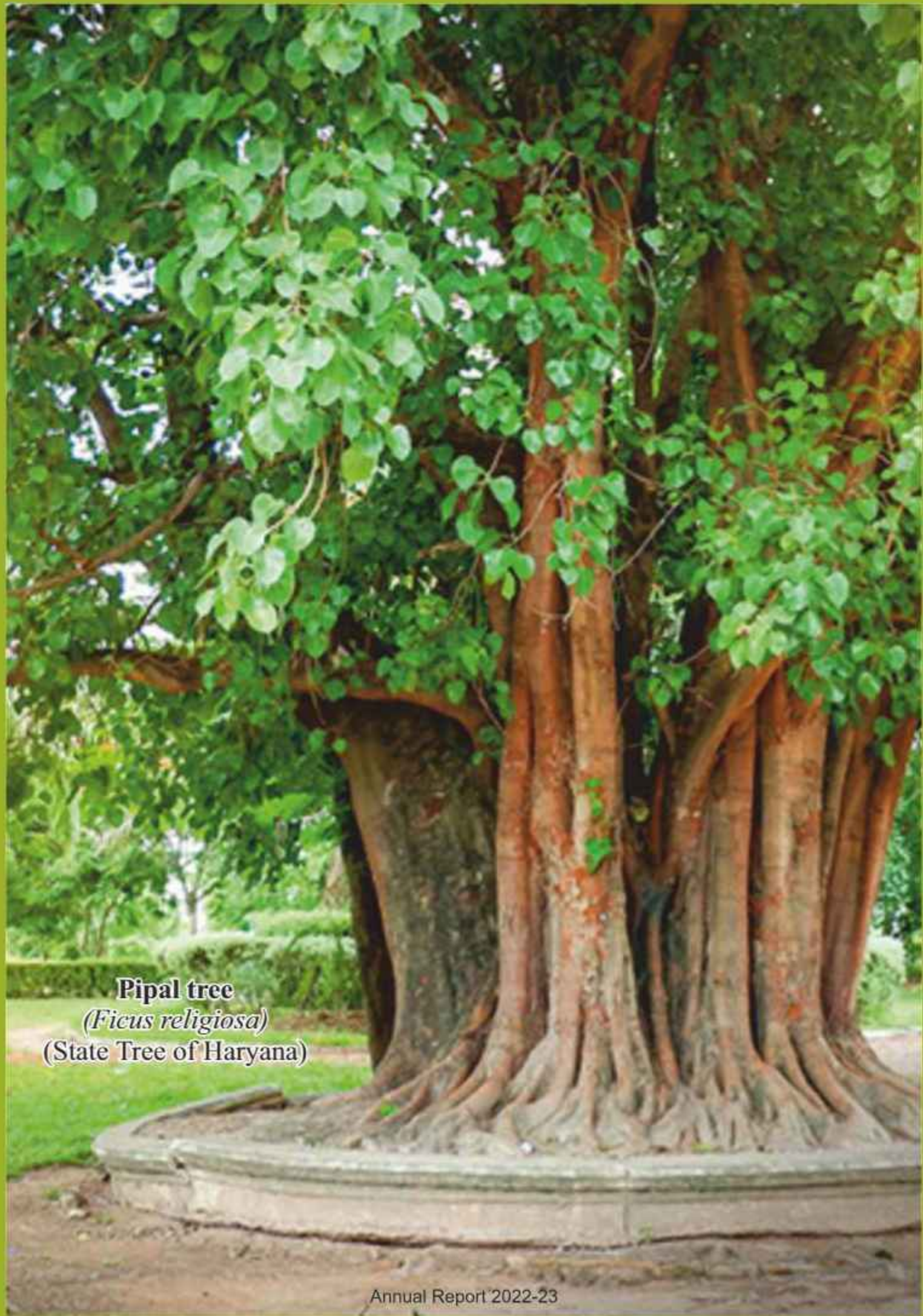
Kanwaljit Singh
CA KANWALJIT SINGH JOLLY
(Partner)
Membership No. : 096915



Date : 30th Jun 2023
Place : Panchkula
UDiN : 23096915BHBAUJ5511



The Blackbuck
(Antelope cervicapra)
(State Animal of Haryana)



Pipal tree
(Ficus religiosa)
(State Tree of Haryana)



Haryana State Biodiversity Board