



**BENGAL SAFARI**

# ANNUAL REPORT

**2024-2025**



**NORTH BENGAL WILD ANIMALS PARK  
(BENGAL SAFARI), SILIGURI**



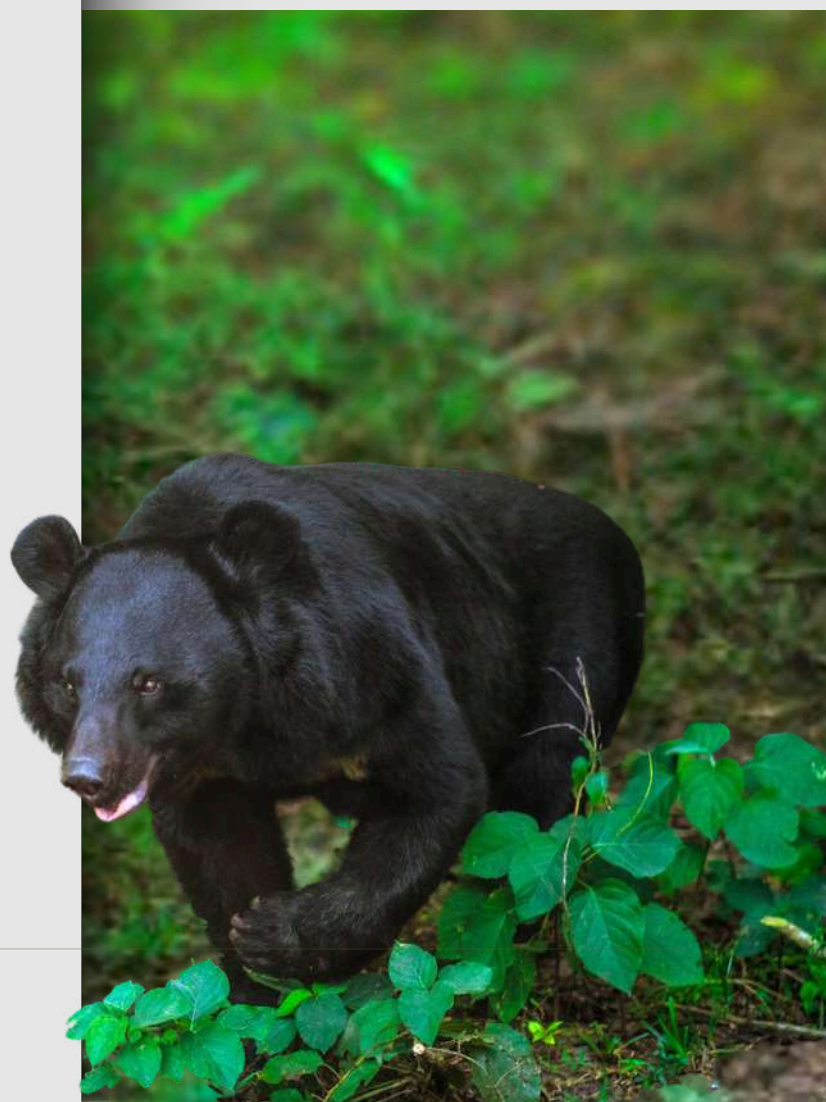
# AREA MAP

North Bengal Wild Animals Park (Bengal Safari)



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## 1. Report of the Officer-in-charge

E Vijayakumar, IFS  
Director, North Bengal Wild Animals Park

The year 2024–25 has been a landmark chapter in the journey of North Bengal Wild Animals Park (Bengal Safari), marked by steady growth, improved services, and strengthened conservation initiatives. This year witnessed a remarkable increase in visitor footfall, successful animal births, enriched educational and research programs, and enhanced veterinary care. It has been a year of continued growth, with achievements that underscore the park’s evolving role as a model for zoological parks in India.

A key highlight of the year was the successful captive breeding of **“three Royal Bengal Tiger cubs”, “one Asiatic Lion cub”, and “four Shanghai Deer fawns”**, reaffirming the park’s role in wildlife conservation. The veterinary team ensured comprehensive animal healthcare, including regular health assessments, vaccinations, nutritional management, and rehabilitation of rescued or injured animals. Habitat enrichment initiatives further enhanced the overall well-being of our captive species.

Visitor engagement saw a steady increase, driven by a combination of educational events, safari experiences, and interpretative exhibits. Thousands of students, trainees, and nature lovers visited the park, participating in awareness programs and experiential learning activities that promote coexistence with nature.

Financially, the park maintained stability with prudent management of resources, though detailed figures are included separately in this report.

During the reporting period, several new facilities and enhancements were introduced to improve visitor experience, animal welfare, and educational outreach. Key additions include **“Shelter for porcupines”, “Small waterbird aviary”, “Kids’ Adventure Park”, “Strengthening of the animal quarantine and treatment facilities to manage new arrivals and emergencies more efficiently”,** Enhanced visitor amenities including **“drinking water points”, “rest sheds”, and “information signage”** throughout the park.

Scientific research remained a cornerstone of our mission in 2024–25. Several research projects were initiated and progressed, including **“Dung/Scat Analysis of Herbivores”, “Captive Breeding and Management of Bengal Tigers”, “Hematological and Biochemical Study on Captive Asiatic Elephants”, “Hair Histology of Wild Mammals”, “Waste Management Strategies for Zoological Parks”, “Behavioral Study of Asiatic Black Bears”**. Noteworthy academic contributions included the publication of papers, **“Study on the captive rearing of the common mime butterfly”** and **“Hand rearing of an orphaned common leopard”**. Two other manuscripts on Bengal Tiger management and primate habitat enrichment were also submitted to peer-reviewed journals.

With continued support from the Department of Forests, Government of West Bengal, West Bengal Zoo Authority, and the dedication of our staff, the park looks forward to expanding its conservation outreach, upgrading visitor facilities, and deepening our research footprint in the coming years. I express my sincere gratitude to our team, and every visitor whose presence and participation strengthen our mission.



2.

## HISTORY OF THE ZOO

The North Bengal Wild Animals Park, now renowned as Bengal Safari, has a storied past that reflects its evolution and significance. Originally, this area was a part of the Baikunthapur Forest Division, nestled within the Adabari Beat, and was known as Shorea Nature Park. Its proximity to the Mahananda Wildlife Sanctuary added to its natural charm and biodiversity.

Recognizing the need to create a dedicated space for wildlife observation and conservation, an area of 299.495 hectares, encompassing the existing park, was earmarked for the establishment of the North Bengal Wild Animals Park in Siliguri. The strategic geographic location of Siliguri, bordered by Nepal to the west, Bhutan to the northeast, and China and Bangladesh to the south, as well as its role as a significant commercial tourism hub and transit point, naturally fostered an interest among tourists and residents in the wildlife of North Bengal.

The establishment of the park was a thoughtfully considered endeavour, aimed at aligning with the growth and maintenance standards set by the Central Zoo Authority (CZA). On July 17, 2014, the foundation stone was laid by the honourable Chief Minister of West Bengal, Smt. Mamata Banerjee. The park's first phase, a mixed herbivore safari, was inaugurated by her in January 2016.

The primary function of the North Bengal Wild Animals Park is to offer a safari experience, allowing visitors to observe various animals in their natural habitats from the safety of safari vehicles. This initiative not only provides a closer connection with nature but also offers stunning views of the Himalayan range, enhancing its captivating allure.

Situated just 8 kilometres from Siliguri, Bengal Safari now features an array of attractions, including Tiger Safari, Mixed Herbivore Safari, Himalayan Black Bear Safari, and Leopard Safari. The park also boasts enclosures for Lesser cats, water bird aviary, a flying bird aviary, a primate section, a Reptiles pond and a constrictor house. Visitors can also explore the zoo souvenir shop and look forward to the upcoming lion safari. Additionally, the park boasts a Nature Interpretation Centre, all contributing to its mission of fostering an appreciation for wildlife and nature conservation.





### 3. Vision

The North Bengal Wild Animals Park (Bengal Safari) Siliguri, West Bengal aims to provide a glimpse of wild animals and birds of the North Bengal plains to the general public for developing a healthy relationship between animals and human beings and to promote conservation of our invaluable faunal resources through display, care and awareness. The safari is an endeavor to breed the endangered species for display, exchange and rehabilitation in the wild.

### 4. Mission

The Park intends to complement the national efforts in conservation of wildlife through breeding of endangered species of the region and to develop empathy among visitors for wild animals.

### 5. Objectives

The park shall work for the conservation of the rich bio-diversity of the region to the following objectives: Conservation of the rich biodiversity of the North Bengal region.

To reduce the tourist pressure on the National Parks/Protected Areas.

To create amongst the visitors empathy towards wild animals through appreciation and better understanding.

To collect and collate the scientific data on the biology, behavior and health care of various species of wild animals displayed in the safari and use the same in future management of the safari park.

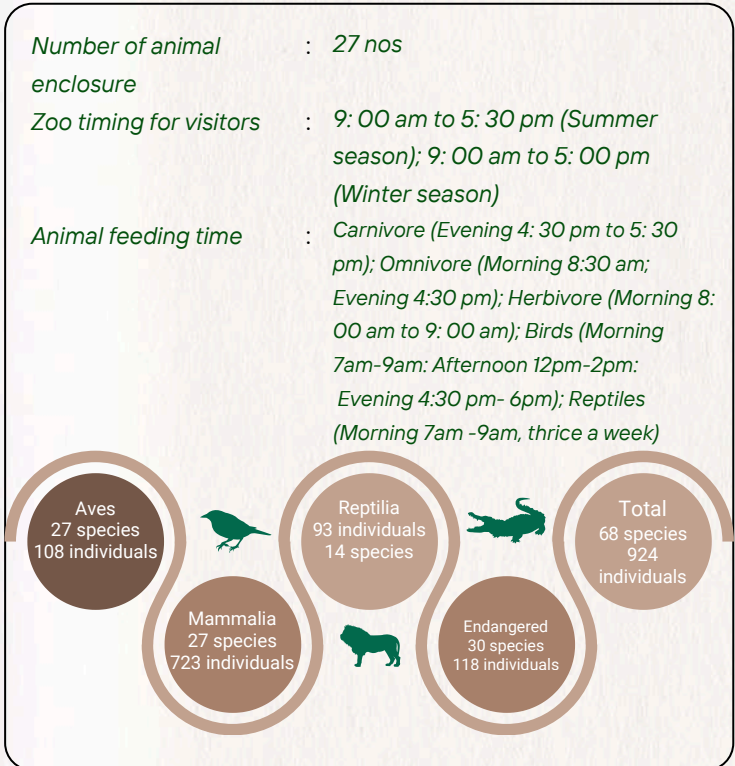
Recreation for the purpose of providing wholesome, healthy and educational activity to a large number of people by utilizing the outdoor natural setting without detriment to any of the preceding objectives.

# 6. About Us

## BASIC INFORMATION ABOUT THE ZOO

|                                     |   |
|-------------------------------------|---|
| Name of the Zoo                     | : North Bengal Wild Animals Park  |
| Year of Establishment               | : 2016  |
| Address of the Zoo                  | : North Bengal Wild Animals Park, 5th Mile, Sevoke Road, Salugara, Siliguri-734008  |
| State                               | : West Bengal   |
| Telephone Number                    | : -   |
| Fax Number                          | : -   |
| E-mail address                      | : dirnbwap@gmail.com  |
| Website                             | : www.northbengalwildanimalspark.in   |
| Distance from nearest               | : <b>Airport:</b> Bagdogra International Airport (21 km)<br><b>Railway Station:</b> NJP (15 km)<br><b>Bus Stand:</b> Tenzing Norgay Bus Terminus (10 km); P.C. Mittal Bust Stand (6 km)   |
| Recognition Valid upto              | : 15.12.2024  |
| Category of zoo                     | : Mini  |
| Area (in Hectares)                  | : 301.031 ha.   |
| Number of Visitors (FY 2024-25)     | : 2,89,469  |
| Visitor Facilities available in Zoo | : Cloak Room ,Wheel Chair, First aid , Normal & Chilled certified ,drinking water with R.O. filter facility, Water ATM, Ladies & Gents Washroom, Food Court, Food Stalls & Canteen, Children's playing area, Adventure sports , Sitting arrangement, Rest Shed, Rain shed ,Online zoo & safari ticketing facility, Zoo Souvenir Shop, Golf Cart, Toy Train, Height measurement wall stand for visitors Nature Interpretation Centre |

|                               |  |
|-------------------------------|--|
| continuation-                 | : (Biodiversity room, Museum), Butterfly Garden, Nakshatra Vanam, Kandung flori village, Resting area, Selfie zone, Signage & Directions |
| Weekly closure day of the zoo | : Every Monday (Except in peak season)   |



## MANAGEMENT PERSONNEL OF THE ZOO

|                                      |  |
|--------------------------------------|--|
| Name with designation                | : Shri E. Vijayakumar, IFS , Director of the Officer-in-charge |
| Name of the Curator                  | : Shri Abhishek Chowdhury, WBFS, Assistant Director            |
| Name of the Range Officer            | : Shri Dwaipayan Rano, FR                                      |
| Name of the Veterinary Officer       | : Dr. Nick Doley   |
| Name of the Biologist                | : Mrs Upashna Rai  |
| Name of the Education Officer        | : Ms Sangita Basak (Education Assistant)                       |
| Name of the Compounder/Lab Assistant | : Shri Biswajeet Sarkar (Veterinary Assistant)                 |

## OUR SAFARI ZONES

The safari areas at North Bengal Wild Animals Park (Bengal Safari) have been strategically developed within a natural Sal forest, preserving existing vegetation to maintain ecological integrity. Each safari is structured to provide a semi-natural environment for the animals while ensuring safe and immersive experiences for visitors.

To replicate the natural habitats of the resident species, the following structural elements have been incorporated:

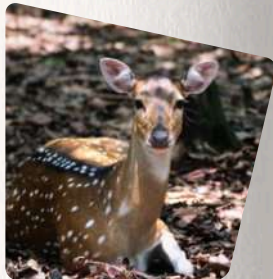
- Artificial water bodies such as ponds and waterfalls to simulate natural water sources.
- Elevated resting platforms and shaded zones for behavioral comfort.
- Hanging enrichment structures tailored to species-specific needs.
- Secure perimeters using fencing, natural moats, and designated routes for safari.

The following safari zones are operational or under development:

### Herbivore Safari

*(Operational since 2016)*

This safari offers visitors the chance to view free-ranging herbivores such as spotted deer, barking deer, black buck, sambar, Red jungle fowl, Peafowl, and wild boar in a large, open enclosure enriched with native flora and natural stream along with artificial water features.



### Tiger Safari

*(Operational since 2016)*

Designed to house Bengal tigers, this safari includes dense vegetative cover, water bodies, and elevated platforms. It is equipped with proper containment and viewing infrastructure for secure close-range observation.



### Leopard Safari

*(Operational since 2018)*

Built with climbing structures, resting areas, and shaded retreats, this safari is structured to support the arboreal and elusive nature of the Indian leopard.



### Himalayan Black Bear Safari

*(Operational since 2018)*

This safari replicates the temperate forest conditions suitable for Himalayan black bears, with provisions like artificial ponds, shaded areas, and enriched ground structures.



### Lion Safari

*(Under Construction)*

Once completed, the Lion Safari will be the first of its kind in North Bengal. It is being developed over a forested landscape with open zones, natural barriers, and infrastructure to house Asiatic lions in a secure, semi-natural setting.



All safari zones are regularly maintained in compliance with regulatory guidelines to ensure both animal welfare and visitor safety. These safari experiences form a core component of the park's physical infrastructure and public outreach strategy.



## ON FOOT ZOO AREA

In addition to the safari zones, North Bengal Wild Animals Park (Bengal Safari) features a well-planned zoological exhibit area that showcases a diverse collection of wildlife species through thematically designed enclosures and visitor-friendly infrastructure. The zoo area is spread over approximately 2 hectares and is structured to provide both optimal animal housing and an engaging educational experience for visitors. The key sections of the zoo area include:

### Aviary Complex

Divided into separate enclosures for indigenous birds, exotic birds, pheasants, and avian scavengers, the aviary has been developed with appropriate flight space, perching structures, naturalistic landscaping, and water sources to simulate varied avian habitats.



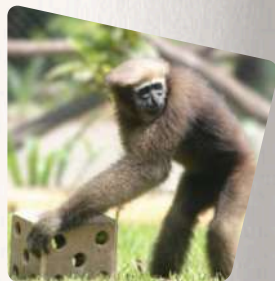
### Lesser Cat Trail

This section houses species such as fishing cats, jungle cats, leopard cats, and Asian palm civets. The enclosures include dense vegetation, climbing structures, water features, and nocturnal shelters to support natural behavior patterns.



### Primate Section

Home to species such as Western hoolock gibbons, spectacled langurs, mandrills, and other monkeys, the primate enclosures feature vertical climbing frames, swinging ropes, and enriched ground cover, designed to promote arboreal movement and social interaction.



### Constrictor House

A specialized enclosure for large reptilian species such as Indian rock pythons, reticulated pythons, and water monitor lizards. The area is climate-controlled and equipped with hideouts, basking zones, and secure viewing windows.



### Reptile Pond

This open aquatic exhibit features marsh crocodiles, gharials, and native turtle species. The pond is structured with basking islands, shaded banks, and safe perimeter fencing to support aquatic life while allowing unobstructed public viewing.



### Porcupines and Sangai Enclosures

Exhibits for species such as Himalayan crestless porcupines, Indian crested porcupines, and brow-antlered deer have been developed with open spaces, shelter structures, and visual barriers to reduce stress and enhance welfare.



### Visitor Loop Pathway

The zoo area follows a one-way loop path with the same entry and exit point, designed for streamlined visitor movement. Essential visitor amenities such as drinking water stations, rest sheds, restrooms, and directional signage are strategically located throughout the pathway.



This zoological section complements the safari experience by offering closer interactions with a diverse range of species in secure and interpretive settings, contributing significantly to the park's educational and conservation outreach goals.



## OTHER ATTRACTIONS AT THE ZOO

- Children Play Area
- Adventure sports area
- Nature Interpretation Centre
- Butterfly Conservatory
- Kids' Adventure Park
- Kandung Flori Village
- Zoo Souvenir Shop
- Nakhsatra vanam
- Wildlife Fodder Park
- Food Court
- Toy Train
- Golf Cart



## VISITOR AMENITIES

- Cloak Room
- Wheel Chair
- First aid
- Normal & Chilled certified drinking water with R.O. filter facility
- Water ATM
- Ladies & Gents Washroom
- Food Court
- Food Stalls & Canteen
- Children's playing area
- Adventure sports
- Sitting arrangement
- Rest Shed
- Rain shed
- Online zoo & safari ticketing facility
- Zoo Souvenir Shop
- Golf Cart
- Toy Train
- Height measurement wall stand for visitors
- Nature Interpretation Centre (Biodiversity room, Museum)
- Butterfly Garden
- Nakshatra Vanam
- Kandung flori village
- Resting area
- Selfie zone
- Signage & Directions

## ENTRY FEE & OTHER CHARGES

|  |   |          |
|--|---|----------|
| • Zoo Entry (above 5 years)  | : | Rs 50/-  |
| • Grand Safari - Tiger, leopard, bear, & herbivores(above 3 years) | : | Rs 400/- |
| • Combo Safari - Tiger & herbivores (above 3 years)                | : | Rs 200/- |
| • Adventure sports activity  |   |          |
| ◦ Long Zipline   | : | Rs 150/- |
| ◦ Short Zipline  | : | Rs 100/- |
| ◦ Burma bridge   | : | Rs 100/- |
| ◦ Bigfoot  | : | Rs 100/- |
| ◦ Artificial wall climbing   | : | Rs 50/-  |
| ◦ E-cycling  | : | Rs 150/- |
| ◦ Canopy walk  | : | Rs 100/- |
| • Toy train  | : | Rs 50/-  |
| • Golfcart   |   |          |
| ◦ 5 seater   | : | Rs 150/- |
| ◦ 8 seater   | : | Rs 240/- |
| • Camera   | : | Rs 100/- |
| • Parking fee  |   |          |
| ◦ Heavy vehicle (Bus etc.)   | : | Rs 200/- |
| ◦ Four wheeler   | : | Rs 50/-  |
| ◦ Two wheeler  | : | Rs 30/-  |
| ◦ Bicycle  | : | Rs 10/-  |

## FREE FACILITIES

- Cloak Room
- Wheel Chair
- First aid
- Normal & Chilled certified drinking water with R.O. filter facility
- Ladies & Gents Washroom
- Children's playing area, Kids' Adventure Park
- Sitting arrangement
- Rest Shed
- Rain shed
- Height measurement wall stand for visitors
- Nature Interpretation Centre (Biodiversity room, Museum)
- Butterfly Conservatory
- Nakshatra Vanam
- Wildlife based film show for children at NIC
- Screening of herbarium collection list at NIC

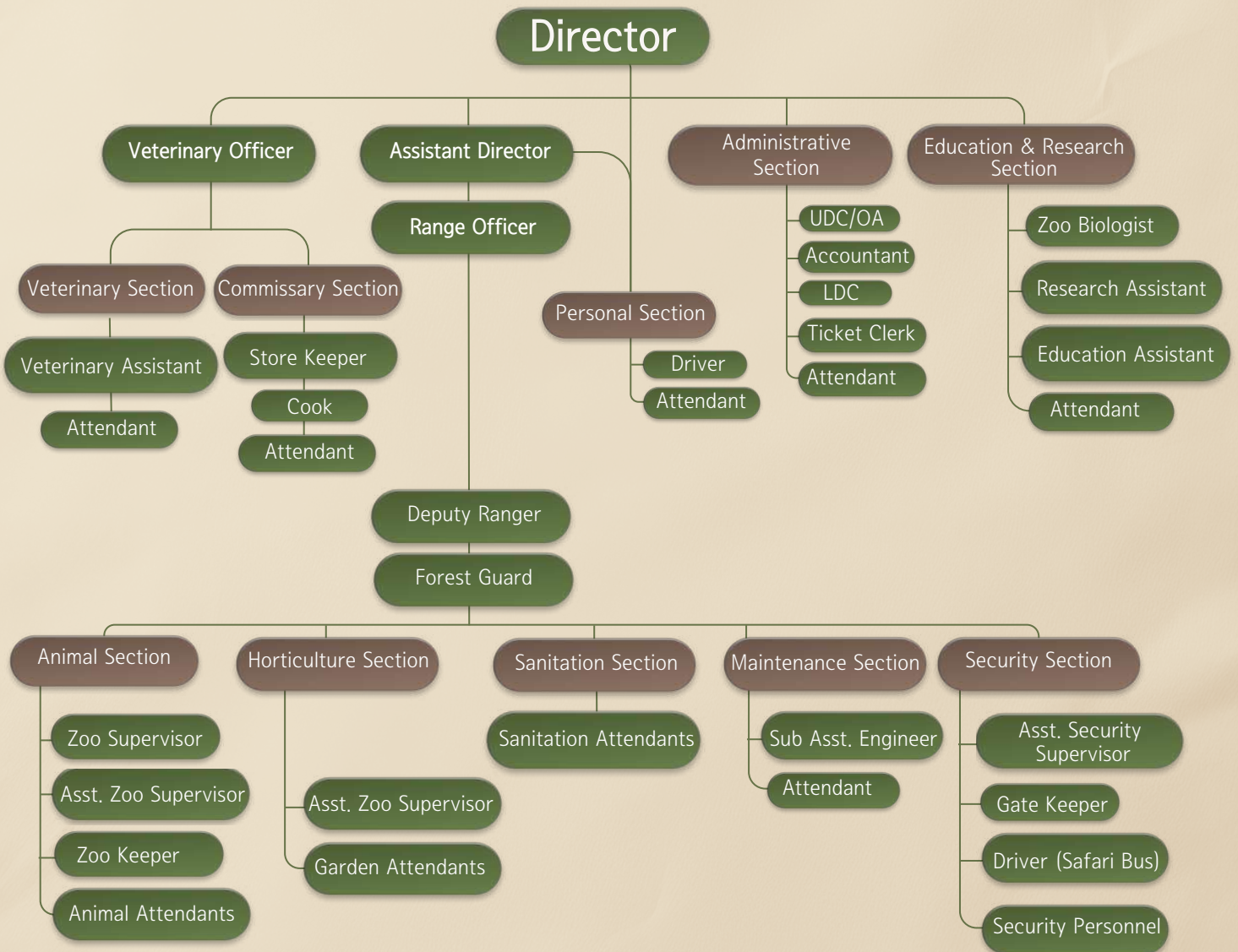
## Owner / Operator of the Zoo

Name of the Operator : Member Secretary, WBZA  
 Address of the Operator : West Bengal Zoo Authority Aranya Bhawan 1th  
 Floor Block - LA-10A, Sector III Salt Lake City,  
 Kolkata - 700106, West Bengal

Contact details/

Phone number of Operator : +91 33 23355010  
 E-mail address of Operator : mswbza@gmail.com

## 7. ORGANIZATIONAL CHART



## 8. HUMAN RESOURCES

### Director's office, North Bengal Wild Animals Park, Siliguri

| Sl. No. | Designation                      | Number of Sanctioned Post | Existing Staff Strength | Name of the incumbent  |
|---------|----------------------------------|---------------------------|-------------------------|--|
| 1.      | Director                         | 1                         | 1                       | Shri E. Vijayakumar, IFS   |
| 2.      | Assistant Director               | 1                         | 1                       | Shri Abhishek Chowdhury, WBFS  |
| 3.      | Range Officer                    | 1                         | 1                       | Shri Dwaipayan Rano  |
| 4.      | Veterinary Officer               | 2                         | 1                       | Dr. Nick Doley   |
| 5.      | Honorary Veterinary Officer      | 1                         | 1                       | Dr. Ruhul Amin   |
| 6.      | Zoo Biologist                    | 1                         | 1                       | Mrs Upashna Rai  |
| 7.      | Sub Asst. Engineer (Civil)       | 1                         | 1                       | Shri Tuhin Nag Biswas  |
| 8.      | Zoo Supervisor                   | 1                         | 0                       | -  |
| 9.      | Deputy Ranger/Foresters          | 2                         | 0                       | -  |
| 10.     | Forest Guard                     | 10                        | 0                       | -  |
| 11.     | Research Assistant               | 1                         | 2                       | Miss Prishka Pariyar<br>Shri Sudeb Sarkar  |
| 12.     | Education Assistant              | 1                         | 1                       | Miss Sangita Basak   |
| 13.     | Veterinary Assistant             | 1                         | 1                       | Shri Biswajeet Sarkar  |
| 14.     | Asst. Zoo Supervisor             | 2                         | 1                       | Shri Janardan Chowdhury (Ex. Dr/Fr)  |
| 15.     | Asst. Estate/Security Supervisor | 1                         | 1                       | Shri Binod Rai   |
| 16.     | Accountant                       | 1                         | 1                       | Shri Markus Sujan kisku  |
| 17.     | Store Keeper                     | 1                         | 1                       | Mrs Tripti Sarkar  |
| 18.     | UDC/OA/TA                        | 1                         | 1                       | Shri Pappu Kr. Sah   |
| 19.     | LDC                              | 1                         | 0                       | -  |
| 20.     | Ticket Clerk                     | 1                         | 1                       | Miss Manila Thapa  |
| 21.     | Gate Keeper                      | 1                         | 1                       | Shri Mrinal Roy  |
| 22.     | Zoo Keeper                       | 10                        | 0                       | -  |
| 23.     | Mahut                            | 4                         | 0                       | -  |
| 24.     | Patawala                         | 4                         | 4                       | Shri Satan Narjinary,<br>Shri Parimal Barman,<br>Shri Kamal Roy,<br>Shri Jogesh Barman   |
| 25.     | Cook                             | 1                         | 1                       | Mr Unish Saibo   |
| 26.     | Driver                           | 11                        | 11                      | Shri Manik Roy, Shri Raju Saibya,<br>Shri Kalyan Sharma, Shri Barun Debnath,<br>Shri Nawraj Dewan, Shri Ananta Sarkar,<br>Shri Suman Tamang, Shri Dinesh Kumar Rai,<br>Shri Goutam Mohanta, Shri Bikash Subba<br>Shri Saklu Uraow. |
| 27.     | Office Attendant                 | 7                         | 6                       | Ms Salma Majhi, Shri Asit Narjinary,<br>Shri Malay Ghosh, Shri Jayanta Chandra Roy,<br>Shri Shyamal Roy, Shri Raju Kumar Roy   |

| Sl. No. | Designation          | Number of Sanctioned Post | Existing Staff Strength | Name of the incumbent   |
|---------|----------------------|---------------------------|-------------------------|---|
| 27      | Garden Attendant     | 6                         | 6                       | Mrs Maria Oraon, Shri Indra Bahadur Thapa, Shri Bijay Sharma, Shri Dibakar Sharma, Shri Dhanesh Roy, Shri Sante Subba.  |
| 28      | Sanitation Attendant | 6                         | 6                       | Mrs Sunita Paswan, Mrs Rajni Debi Paswan, Shri Sukul Hela, Shri Sanjib Hela, Shri Suraj Paswan, Shri Ravi Paswan.   |
| 29      | Animal Attendant     | 15                        | 22                      | Shri Gopal Biswakarma, Shri Prasenjit Barman, Shri Raj Thapa, Md. Aminur Rahman, Shri Krishna Adhikary, Shri Himu Barman, Shri Karan Marandi, Shri Bappa Barman, Md. Rafiqul Islam, Shri Dipu Urow, Shri Bijoy Majhi, Shri Rohan Rai, Shri Bibek Roy, Shri Pranab Tamang, Shri Sangam Majhi, Shri Ganesh Saibo, Shri Biswajit Roy, Shri Bijoy Uraon, Shri Barka Majhi, Shri Birbal Modak, Shri Ramesh Mardi, Shri Rajen Oraon, Shri Subham Sharma, Shri Rakesh Tamang.  |
| 30      | Security Personnel   | 50                        | 53                      | Ms Manu Rai, Ms Jyoti Biswakarma, Mrs Sandiya Rai, Mrs Buniya Barman Ms Jesmine Urao, Ms Bandana Subba Ms Renu Saibo, Shri Manish Gajmer, Shri Ashik Khawas, Shri Rajesh Lal Saibo, Shri Hemant Pradhan, Shri Chandra Kr. Chhetri, Shri Ranjit Saibo, Shri Anil Saibo, Shri Sudesh Baraik, Shri Ajit Kr. Bhujel, Shri Manish Lal saibo, Shri Sunil Uraon, Shri Ratan Singh Saibo, Shri Amir Saibo, Shri Dal Bahadur Chhetri, Md. Rahamat Ali, Shri Kajee Thakuri, Shri Ajay Rasaily, Shri Lok Bahadur Lama, Shri Uday Chhetri, Shri Subash Sharma Koirala, Shri Satish Rai, Shri Parimal Tamang, Shri Budha Uraon, Shri Kalu Rai, Shri Passang Tamang, Shri Milan Tamang, Shri Harka Bahadur Thapa, Shri Sagar Rai, Shri Suryaman Rai, Shri Rahin Saibo, Shri Budha Lepcha, Shri Rakesh Majhi, Shri Mongal Mahanta, Shri Arpan Biswakarma, Shri Suraj Suba, Shri Pravakar Rai, Shri Subal Roy, Shri Ratan Debnath, Shri Naba Kumar Roy, Shri Dipak Thapa, Shri Manab Modak, Shri Raj Saibo, Shri Kiron Chhetri, Shri Sohith Saibo, Shri Mukesh Biswakarma Shri Dipesh Sharma Koirala, Shri Manoj Kumar Rai, Shri Mukesh Roy |

## 9. CAPACITY BUILDING OF ZOO PERSONNEL



| Sl. No. | Name and designation of the zoo personnel   | Subject matter of Training   | Period of Training       | Name of the Institution where the Training attended       |
|---------|---|--|--------------------------|---|
| 1.      | Himu Barman ( Animal Attendant), Pranab Tamang ( Animal Attendant), Bijay Uraon( Animal Attendant), Dipu Urow( Animal Attendant), Karan Marandi( Animal Attendant), Bijoy Majhi( Animal Attendant), Burkha Majhi( Animal Attendant), Dibakar Sharma( Animal Attendant), Bappa Barman( Animal Attendant), Aminur Rahaman( Animal Attendant), Ranjit Saibo( Animal Attendant), Birbal Modak( Animal Attendant), Biswajit Roy( Animal Attendant), Raj Thapa( Animal Attendant), Rafikul Islam( Animal Attendant), Bibek Roy( Animal Attendant), Sangam Majhi( Animal Attendant), Krishna Adhikary( Animal Attendant) of NBWAP. | Understanding the behaviour of captive tigers in zoo and safari settings by NBWAP                                  | 27.04.2024               | North Bengal Wild Animals Park ( Bengal Safari), Siliguri |
| 2.      | Shyamal Mahata ( Animal Attendant) and Prasanta Mondal ( Animal Attendant), Harinalaya Mini Zoo; SK Sarfaraj Nawaj ( Animal Attendant) and Pintu Gharai ( Animal Attendant), Alipore Zoological Garden; Tapan Das ( Animal Attendant) and Ranjit Manna ( Animal Attendant), Garchumuk Zoological Park; Soumen Mandal ( Veterinary Assistant) and Nepal Barui ( Security), Surulia Mini Zoo, Purulia; Himu Barman ( Animal Attendant) and Bibek Roy ( Animal Attendant), North Bengal Wild Animals Park.   | Training on: Management of Big cats and Asiatic Black Bear at Bengal Safari- by West Bengal Zoo Authority, Kolkata | 28.04.2024 to 29.04.2024 | North Bengal Wild Animals Park ( Bengal Safari), Siliguri |



| Sl. No. | Name and designation of the zoo personnel  | Subject matter of Training   | Period of Training       | Name of the Institution where the Training attended      |
|---------|--|--|--------------------------|--|
| 3.      | Sudeb Sarkar (Research Assistant), Rohan Rai (Animal Attendant) of North Bengal Wild Animals Park  | One week training on “Taxidermy & Skeleton Articulation”   | 06.05.2024 to 11.05.2024 | Padmaja Naidu Himalayan Zoological Park, Darjeeling      |
| 4.      | Ananta Sarkar (Driver), Suman Tamang (Driver), Goutam Mahanto (Driver), Raju Saibya (Driver), Kalayan Sharma (Driver), Saklu Uraw (Driver), Mrinal Roy (Gate Keeper), Nawraj Dewan (Driver) of North Bengal Wild Animals Park  | Training on: Safe and Responsible Safari driving -by NBWAP   | 20.07.2024               | North Bengal Wild Animals Park (Bengal Safari), Siliguri |
| 5.      | Pranab Tamang (Animal Attendant), Rohan Rai (Animal Attendant), Bijay Majhi (Animal Attendant), Dibakar Sharma (Animal Attendant), Subham Sharma (Animal Attendant), Ramesh Mardi (Animal Attendant), Aminur Rahaman (Animal Attendant), Rafiqul Islam (Animal Attendant), Naba Kumar Roy (Animal Attendant), Sangam Majhi (Animal Attendant), Dipu Urow (Animal Attendant) of North Bengal Wild Animals Park. | The importance of zookeepers in managing animals in captivity, highlighting the commitment and importance of their work-by NBWAP.                    | 01.10.2024               | North Bengal Wild Animals Park (Bengal Safari), Siliguri |
| 6.      | Pranab Tamang (Animal Attendant), Rohan Rai (Animal Attendant), Bijay Majhi (Animal Attendant), Dibakar Sharma (Animal Attendant), Subham Sharma (Animal Attendant), Ramesh Mardi (Animal Attendant), Aminur Rahaman (Animal Attendant), Rafiqul Islam (Animal Attendant), Naba Kumar Roy (Animal Attendant), Sangam Majhi (Animal Attendant), Dipu Urow (Animal Attendant) of North Bengal Wild Animals Park. | Precautionary measures to prevent Avian Influenza & Observing animal health, managing medical care safely, and understanding gastrointestinal issues | 01.10.2024               | North Bengal Wild Animals Park (Bengal Safari), Siliguri |

| Sl. No. | Name and designation of the zoo personnel  | Subject matter of Training   | Period of Training       | Name of the Institution where the Training attended      |
|---------|--|--|--------------------------|--|
| 7.      | Firoj Kamal, Adina Deer Park; Rabindranath Pal, Bardhaman Zoological Park; Jaganath Jani, Taptapani Mini Zoo; Bhaskar Samal, and Trilochan Samal, Nandankanan Zoological Park; Dipankar Sarkar, Rasikbeel Mini Zoo; Susonta Kr Dhaunlia, Wild Animal Conservation Centre; MD. Ramjan, Sanjay Gandhi Biological Park; Ausbin Gurung, Padmaja Naidu Himalayan Zoological Park; Devrth Varma, and Mahesh Sahu, Nandavan Jungle Safari; Alope Paul, Harinalaya; Partha Sarathi Sinha, South Khairbari Mini Zoo; Dubraj Mandi, Tata Steel Zoological Garden; Ganesh Rajwar, Surulia Mini Zoo; Sahebram Murmu, Junglemahal Zoological Park; Ritesh Kumar Ram, Jhargram Division; RanjitManna, Garchumuk Zoological Park; Mukesh Kaushik, and Kalesh Sahu, Kanan Pendari Zoological Garden; Pijush Barhai, Subdarban Wild Animals Park; Rakesh Tamang and BijayMajhi, North Bengal Wild Animals Park. | Regional Zoo keepers training organized by Central Zoo Authority, MOEF &CC, India at North Bengal Wild Animals Park. | 06.12.2024 to 08.12.2024 | North Bengal Wild Animals Park (Bengal Safari), Siliguri |



## 10. ZOO ADVISORY COMMITTEE

The Governing Body of the Authority (Govt. Notification No. 10036-for/11M-27/2002, dated 23.12.2009) consist of following members.

- The Chief Secretary to the Govt. of West Bengal- Chairman
- Addl. Chief Secretary, Dept. of Forests, Govt. of West Bengal and Vice Chairman, West Bengal Zoo Authority- Vice-chairman
- Addl. Chief Secretary, Dept. of Finance, Govt. of West Bengal and Member, West Bengal Zoo Authority- Member
- Addl. PCCF and Member Secretary, West Bengal Zoo Authority- Member Secretary
- Member Secretary, Central Zoo Authority, Govt. of India and Member, WBZA- Member
- Principal Chief Conservator of Forests & HOFF, West Bengal- Member
- Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden, West Bengal- Member
- Director, Animal Husbandry & Vet. Services, W.B.- Member
- Director, Padmaja Naidu Himalayan Zoological Park, Darjeeling- Member
- Director, Zoological Garden, Alipore, Kolkata- Member
- Director, North Bengal Wild Animals Park, Siliguri- Special Invitee Member

## 11. HEALTH ADVISORY COMMITTEE

A Veterinary Expert Team i.e., Health Advisory Committee was reconstituted with the following Officers as per request of the Member Secretary, West Bengal Zoo Authority. A Committee was constituted comprising of the following Officers of the Directorate of AH & VS, West Bengal. *Vide ref. 1106/1(9)/5M-85/2005(Pt.-2), dated. 07.03.2018*

- Dr Tapan Kumar Sadhukhan, Joint Director, ARD, IAH & VB (R & T)- Chairman
- Specialist (Sero-Epidemiology), RDDDL (ER), IAH & VB- Member
- Dr, Debasish Chatterjee, Asst. Director, ARD (Vet), (Disease Investigation), IAH&VB.- Member
- Dr.Proloy Mandal,Asst. Director, ARD (Vet), IAH&VB- Member



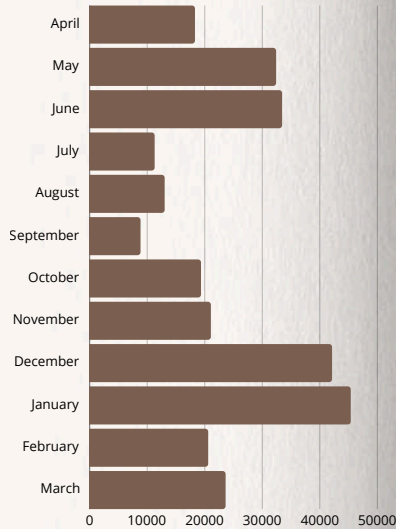
## 12. STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO

| Sl. No.                                      | Year (2024-25)  | Source of fund            | Expenditure in Rupees    |
|--|---|---------------------------|--------------------------|
| 1.   | As grant in aids under Plan   | State-Plan                | 5,40,05,354.00           |
| 2.   | As grants non-plan  | West Bengal Zoo Authority | 6,86,77,098.59           |
| <b>Total Expenditure (*Unaudited Figure)</b> |   |                           | <b>12,26,82,452.59</b>   |
|  |   |                           | <b>Receipt in Rupees</b> |
| 3.   | a) Ticket Revenue (including Zoo shop, Adventure sports, Toy Train, Golf Cart & Vehicle parking)        |                           | 8,90,79,674.88           |
|  | b) Animal Adoption  |                           | 2,48,000.00              |
|  | c) Friends of Zoo   |                           | -                        |
|  | d) Miscellaneous earnings (Fee from rental store & souvenir shop, electricity, FPC canteen, stalls etc) |                           | 21,07,922.00             |
| <b>Total Revenue (*Unaudited Figure)</b>     |   |                           | <b>9,14,35,596.88</b>    |

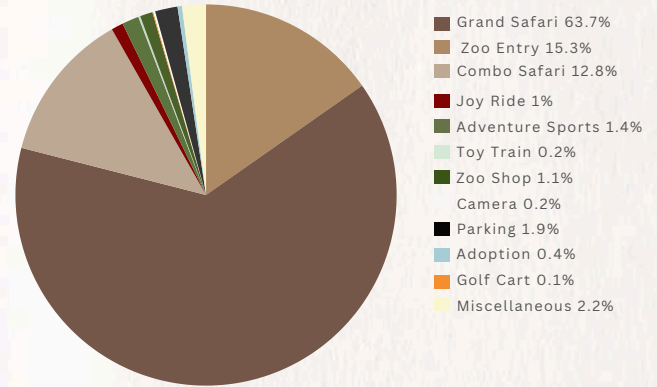
### Month wise number of visitors during 2024-25

#### Months Visitors

|              |               |
|--------------|---------------|
| April        | 18302         |
| May          | 32410         |
| June         | 33446         |
| July         | 11290         |
| August       | 13032         |
| September    | 8836          |
| October      | 19350         |
| November     | 21066         |
| December     | 42129         |
| January      | 45380         |
| February     | 20602         |
| March        | 23626         |
| <b>TOTAL</b> | <b>289469</b> |

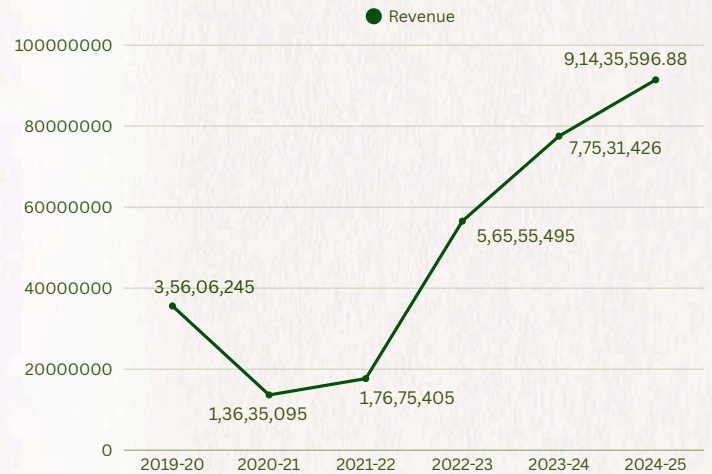


## VISITOR FLOW AND REVENUE GENERATED DURING THE YEAR 2024-25



- Foot Fall 289469
- Total revenue collected Rs 9,14,35,596.88

### Last 6 years' revenue trend



## 13. DAILY FEED SCHEDULE OF ANIMALS

| Sl. No.        | Species   | Feed Item                                   | Quantity (Kg)/per individual |         |        | Day of Fasting |
|----------------|---|---|------------------------------|---------|--------|----------------|
|                |   |   | Summer                       | Monsoon | Winter |                |
| 1.             | Sambar deer, spotted deer, Barking deer, Swamp deer, Hog deer | Concentrated Feed                           | 79                           | 79      | 79     | None           |
|                |   | Carrot                                      | 2.00                         |         | 2.00   |                |
|                |   | Cabbage                                     | 2.00                         |         | 2.00   |                |
|                |   | Spinach leaves                              | 2.00                         |         | 2.00   |                |
|                |   | Radish                                      | 2.00                         |         | 2.00   |                |
|                |   | Beetroot                                    | 2.00                         |         | 2.00   |                |
|                |   | Cucumber                                    | 0.7                          |         | 0.7    |                |
|                |   | Bottle Gourd                                |                              | 0.7     | 0.7    |                |
|                |   | Pumpkin                                     |                              |         | 0.7    |                |
|                |   | Cabbage                                     | 4.00                         |         | 4.00   |                |
|                |   | Watermelon                                  | 0.3                          |         |        |                |
|                |   | Musk melon                                  | 0.3                          |         |        |                |
|                |   | Banana                                      |                              | 0.3     | 0.3    |                |
|                |   | Papaya                                      |                              | 0.3     | 0.3    |                |
|                |   | Apple                                       |                              | 0.3     | 0.3    |                |
|                |   | Ficus benghalensis (Banyan), lucerne leaves | 3.00                         | 3.00    | 3.00   |                |
|                |   | Wheat straw                                 |                              |         | 3.00   |                |
|                |   | Paddy straw                                 |                              |         | 3.00   |                |
|                |   | Groundnut cake                              |                              |         | 0.5    |                |
|                |   | Turmeric                                    | 0.20                         | 0.20    | 0.20   |                |
| Mineral Blocks |   |   |                              |         |        |                |
| 2.             | Black buck  | Concentrated Feed                           | 1.7                          | 1.7     | 1.7    | None           |
|                |   | Carrot                                      | 2.00                         |         | 2.00   |                |
|                |   | Cabbage                                     | 2.00                         |         | 2.00   |                |
|                |   | Spinach leaves                              | 2.00                         |         | 2.00   |                |
|                |   | Radish                                      | 2.00                         |         | 2.00   |                |
|                |   | Beetroot                                    | 2.00                         |         | 2.00   |                |
|                |   | Cucumber                                    | 0.7                          |         | 0.7    |                |
|                |   | Bottle Gourd                                |                              | 0.7     | 0.7    |                |
|                |   | Pumpkin                                     |                              |         | 0.7    |                |
|                |   | Cabbage                                     | 4.00                         |         | 4.00   |                |
|                |   | Watermelon                                  | 0.3                          |         |        |                |
|                |   | Musk melon                                  | 0.3                          |         |        |                |
|                |   | Banana                                      |                              | 0.3     | 0.3    |                |
|                |   | Papaya                                      |                              | 0.3     | 0.3    |                |
|                |   | Apple                                       |                              | 0.3     | 0.3    |                |
|                |   | Ficus benghalensis (Banyan), lucerne leaves | 3.00                         | 3.00    | 3.00   |                |
|                |   | Wheat straw                                 |                              |         | 3.00   |                |
|                |   | Paddy straw                                 |                              |         | 3.00   |                |
|                |   | Groundnut cake                              |                              |         | 0.5    |                |
|                |   | Turmeric                                    | 0.20                         | 0.20    | 0.20   |                |
| Mineral Blocks |   |   |                              |         |        |                |
| Beans          | 1.00  | 1.00  | 1.00                         |         |        |                |
| 3.             | Brow Antlered deer  | Concentrated Feed                           | 7                            | 7       | 7      | None           |
|                |   | Carrot                                      | 2.00                         |         | 2.00   |                |
|                |   | Cabbage                                     | 2.00                         |         | 2.00   |                |
|                |   | Spinach leaves                              | 2.00                         |         | 2.00   |                |
|                |   | Radish                                      | 2.00                         |         | 2.00   |                |
|                |   | Beetroot                                    | 2.00                         |         | 2.00   |                |
|                |   | Cucumber                                    | 2.00                         |         | 2.00   |                |
|                |   | Bottle Gourd                                | 0.7                          |         | 0.7    |                |
|                |   | Pumpkin                                     |                              | 0.7     | 0.7    |                |
|                |   | Cabbage                                     |                              |         | 0.7    |                |
|                |   | Watermelon                                  | 4.00                         |         | 4.00   |                |
|                |   | Musk melon                                  | 0.3                          |         |        |                |
|                |   | Banana                                      | 0.3                          |         |        |                |
|                |   | Papaya                                      |                              | 0.3     | 0.3    |                |
|                |   | Apple                                       |                              | 0.3     | 0.3    |                |
|                |   | Ficus benghalensis (Banyan), lucerne leaves | 3.00                         | 3.00    | 3.00   |                |
|                |   | Wheat straw                                 | 3.00                         |         | 3.00   |                |
|                |   | Paddy straw                                 | 3.00                         |         | 3.00   |                |
|                |   | Groundnut cake                              |                              |         | 0.5    |                |
|                |   | Turmeric                                    | 0.20                         | 0.20    | 0.20   |                |
| Mineral Blocks |   |   |                              |         |        |                |

## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No.  | Species                   | Feed Item                       | Quantity (Kg)/per individual                       |         |        | Day of Fasting   |
|--|---------------------------|---------------------------------|--|---------|--------|--|
|  |                           |                                 | Summer   | Monsoon | Winter |  |
| 4.   | Chinese Goose             | Crushed Maize                   | 0.40   | 0.40    | 0.40   | None   |
|  |                           | Rice                            | 0.60   | 0.60    | 0.60   |  |
|  |                           | Satu                            | 0.40   | 0.40    | 0.40   |  |
|  |                           | Leafy vegetables                | 0.50   |         | 0.50   |  |
|  |                           | Cabbage                         | 0.40   |         | 0.40   |  |
|  |                           | Big Fish Live                   | 1.00   | 1.00    | 1.00   |  |
| 5.   | Himalayan Griffon Vulture | Buffalo meat with bone          | 1.50   | 1.50    | 1.50   | Tuesday (Beef)<br>Wednesday (Mutton)<br>Thursday (Beef)<br>Sunday (Buffalo/Mutton) |
|  |                           | Beef                            | 1.50   | 1.50    | 1.50   |  |
|  |                           | Mutton                          | 8.00   | 8.00    | 8.00   |  |
| 6.   | Asiatic Black Bear        | Makai atta                      | 0.80   |         |        | None   |
|  |                           | Soaked chana                    | 0.2  | 0.2     | 0.2    |  |
|  |                           | Chana flour                     |  |         | 0.3    |  |
|  |                           | Milk                            | 1.5  | 1.5     | 1.5    |  |
|  |                           | Egg                             | 6 pcs  | 6 pcs   | 6 pcs  |  |
|  |                           | Sattu                           | 0.50   | 0.50    | 0.50   |  |
|  |                           | Buffalo meat with bone for soup | 1.6  | 1.6     | 1.6    |  |
|  |                           | Banana                          | 6 pcs  | 6 pcs   | 6 pcs  |  |
|  |                           | Apple                           | 1.0  | 1.0     | 1.0    |  |
|  |                           | Pomegranate                     | 0.70   |         | 0.70   |  |
|  |                           | Carrot                          | 1.0  |         | 1.0    |  |
|  |                           | Watermelon                      | 4.00   |         |        |  |
|  |                           | Papaya                          | 2.10   |         | 2.10   |  |
|  |                           | Pineapple                       |  | 2.00    |        |  |
|  |                           | Mousambi                        | 0.15   | 0.15    | 0.15   |  |
|  |                           | Pumpkin                         |  | 0.15    | 0.15   |  |
|  |                           | Guava                           |  | 0.15    | 0.15   |  |
|  |                           | Squash plum                     | 2.00   | 0.60    | 0.60   |  |
|  |                           | Musk melon                      |  | 0.60    |        |  |
|  |                           | Pear                            |  |         | 1.00   |  |
|  |                           | Squash                          | 0.50   | 0.50    | 0.50   |  |
|  |                           | Tomatoes                        |  |         | 1.00   |  |
|  |                           | Sweet potato                    | 0.20   | 0.20    |        |  |
|  |                           | Bamboo shoot                    | 1.5  |         | 1.5    |  |
|  |                           | Cabbage                         |  | 0.40    | 0.60   |  |
|  |                           | Molasses                        | 0.50   | 0.50    | 0.50   |  |
|  |                           | Honey                           |  |         |        |  |
| 7.   | Spectacled Langur         | Banana                          | 6 pcs  | 6 pcs   | 6 pcs  | None   |
|  |                           | Apple                           | 0.4  | 0.4     | 0.4    |  |
|  |                           | Pomegranate                     | 0.4  |         | 0.4    |  |
|  |                           | Carrot                          | 0.25   | 0.25    | 0.25   |  |
|  |                           | Guava                           |  |         | 0.3    |  |
|  |                           | Beans                           | 0.15   | 0.15    | 0.15   |  |
|  |                           | Papaya                          | 0.4  | 0.4     | 0.4    |  |
|  |                           | Orange                          |  |         | 0.15   |  |
|  |                           | Bayer                           |  |         | 0.15   |  |
|  |                           | Grapes                          | 0.15   | 0.15    | 0.15   |  |
|  |                           | Safeeda                         |  |         | 0.15   |  |
|  |                           | Soaked Chana                    | 0.2  | 0.2     | 0.2    |  |
|  |                           | 8.                              | Indian crested porcupine ( <i>Hystrix indica</i> ) | Apples  | 0.12   |  |
| Pumpkin  | 0.60                      |                                 |  | 0.06    | 0.06   |  |
| Cucumber   | 0.06                      |                                 |  | 0.06    | 0.06   |  |
| Watermelon                                       | 0.14                      |                                 |  | 0.14    | 0.14   |  |
| Beetroot   | 0.06                      |                                 |  | 0.06    | 0.06   |  |
| Carrot   | 0.06                      |                                 |  | 0.06    | 0.06   |  |
| Himalayan porcupine ( <i>Hystrix brachyura</i> ) | Corn                      |                                 | 0.2  | 0.2     | 0.2    |  |
|  | Ripe Papaya               |                                 | 0.1  | 0.1     | 0.1    |  |
|  | Sweet Potato              |                                 |  |         | 0.06   |  |
|  | palak                     |                                 | 0.06   |         | 0.06   |  |
|  | lettuce                   |                                 | 0.06   |         | 0.06   |  |
|  | Broccoli                  |                                 | 0.06   |         | 0.06   |  |
|  |                           |                                 |  |         |        |  |

## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No.   | Species  | Feed Item                       | Quantity (Kg)/per individual |            |            | Day of Fasting |
|-----------|--|---------------------------------|------------------------------|------------|------------|----------------|
|           |  |                                 | Summer                       | Monsoon    | Winter     |                |
| 9.        | Hollock Gibbon<br>(Hoolock hoolock)                  | Banana                          | 150                          | 150        | 150        | None           |
|           |  | Apple                           | 100                          | 100        | 100        |                |
|           |  | Pomegranate                     | 100                          | 100        | 100        |                |
|           |  | Ripe Papaya                     | 40                           | 40         | 40         |                |
|           |  | Watermelon                      | 50                           |            |            |                |
|           |  | sugarcane                       |                              |            | 30         |                |
|           |  | Carrot                          | 30                           | 30         | 30         |                |
|           |  | OVER night-Soaked gram          | 100                          | 100        | 100        |                |
|           |  | Mung bean                       | 100                          | 100        | 100        |                |
|           |  | Cabbage or Cauliflower (boiled) |                              |            | 100        |                |
|           |  | Cucumber                        | 50                           |            | 30         |                |
|           |  | Broccoli                        |                              |            | 100        |                |
|           |  | Coriander                       | 100                          | 10         | 10         |                |
|           |  | Sweet corn                      | 10                           |            |            |                |
|           |  | Muskmelon                       | 30                           | 30         | 30         |                |
|           |  | Sunflower seed                  | 30                           |            | 4          |                |
|           |  | Almond                          |                              |            | 25         |                |
|           |  | Walnut                          |                              |            |            |                |
|           |  | Coconut water                   | 1 pc (once per week)         |            |            |                |
|           |  | Lettuce leaf                    |                              |            | 100        |                |
|           |  | Beetroot                        | 20                           | 20         | 20         |                |
|           |  | Guava                           |                              |            | 20         |                |
|           |  | Egg                             | 40-50                        | 40-50      | 40-50      |                |
|           |  | mealworms                       | 8                            | 8          | 8          |                |
|           |  | Crickets                        | 2                            | 2          | 2          |                |
|           |  | Grasshopper                     | 2                            | 2          | 2          |                |
| 10.       | Mandrill<br>( <i>Mandrillus sphinx</i> )             | Apple                           | 0.4                          | 0.4        | 0.4        | None           |
|           |  | Banana                          | 6 pcs                        | 6 pcs      | 6 pcs      |                |
|           |  | Egg                             | 3 pcs                        | 3 pcs      | 3 pcs      |                |
|           |  | Grapes                          | 50                           | 50         | 50         |                |
|           |  | Pointed Gourd                   | 100                          | 100        | 100        |                |
|           |  | Alu Bukhra                      | 100                          | 100        | 100        |                |
|           |  | Guava                           | 200                          | 200        | 200        |                |
|           |  | Brinjal                         | 200                          | 200        | 200        |                |
|           |  | Papaya                          | 200                          | 200        | 200        |                |
|           |  | Pumpkin                         | 200                          | 200        | 200        |                |
|           |  | Capsicum                        | 100                          | 100        | 100        |                |
|           |  | Masoor dal new                  | 83                           | 83         | 83         |                |
|           |  | Rice                            | 83                           | 83         | 83         |                |
|           |  | Ground nut                      | 166                          | 166        | 166        |                |
|           |  | Carrot                          | 66                           | 66         | 66         |                |
|           |  | Beetroot                        | 100                          | 100        | 100        |                |
|           |  | sugarcane                       | 200                          | 200        | 200        |                |
|           |  | Sabeda                          | 83                           | 83         | 83         |                |
| orange    | 100  | 100                             | 100                          |            |            |                |
| Bayer     | 100  | 100                             | 100                          |            |            |                |
| Palak Sag | 100  | 100                             | 100                          |            |            |                |
| 11.       | Indian Rhinoceros<br>( <i>Rhinoceros unicornis</i> ) | Corn                            |                              |            | 30         | None           |
|           |  | Cabbage/Corn                    | 4                            |            | 4          |                |
|           |  | Carrot                          | 2                            | 2          | 2          |                |
|           |  | Green fodder                    | Ad libidum                   | Ad libidum | Ad libidum |                |
| 12.       | Asian Elephant<br>( <i>Elephas maximus</i> )         | Rice                            | 4                            | 4          | 4          | None           |
|           |  | Masur dal                       | 2                            | 2          | 2          |                |
|           |  | Corn                            |                              |            | 20.00      |                |
|           |  | Mollasses                       | 0.3                          |            | 0.3        |                |
|           |  | Turmeric                        | 0.2                          | 0.2        | 0.2        |                |
|           |  | Salt (Black & Normal)           | 1                            | 1          | 1          |                |
| 13.       | Jungle cat<br>( <i>Felis chaus</i> )                 | Beef                            | 0.5                          | 0.5        | 0.5        | Monday         |
|           |  | Fish                            | 0.2                          | 0.2        | 0.2        |                |
| 14.       | Fishing cat<br>( <i>Prionailurus viverrinus</i> )    | Mutton                          | 0.6                          | 0.6        | 0.6        | Monday         |
|           |  | Fish                            | 0.2                          | 0.2        | 0.2        |                |

## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No. | Species   | Feed Item   | Quantity (Kg)/per individual                  |   |   | Day of Fasting   |
|---------|---|---|---|---|---|------------------|
|         |   |   | Summer  | Monsoon                                       | Winter  |                  |
| 15.     | Leopard Cat<br>(Prionailurus bengalensis)         | Beef<br>Fish  | 0.3<br>0.2                                    | 0.3<br>0.2                                    | 0.3<br>0.2                                    | Monday           |
| 16.     | Asian Palm Civet<br>(Paradoxurus hermaphroditus)  | Banana<br><br>Beef /Buff<br>Egg                                       | 3 pc (300<br>gms<br>(approx.)<br>0.1<br>2 pc  | 3 pc (300<br>gms<br>(approx.)<br>0.1<br>2 pc  | 3 pc (300<br>gms<br>(approx.)<br>0.1<br>2 pc  | Monday           |
| 17.     | Reticulated Python<br>(Malayopython reticulatus)  | Live White rat<br>Live local Chicken /<br>Rabbit                      | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | Monday           |
| 18.     | Burmese Python<br>(Python bivittatus)             | Live White rat<br>Live local Chicken /<br>Rabbit                      | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | Monday           |
| 19.     | Indian Rock Python<br>(Python molurus)            | Live White rat<br>Live local Chicken /<br>Rabbit                      | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | Monday           |
| 20.     | Sand Boa (Eryx johni)                             | Live White rat<br>Live local Chicken /<br>Rabbit                      | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | 0.1-0.3<br>1.7<br>1.2                         | Monday           |
| 21.     | Asian Water Monitor Lizard<br>(Varanus salvator)  | Live Fish<br>Beef   | 0.4<br>0.5                                    | 0.4<br>0.5                                    | 0.4<br>0.5                                    | Monday           |
| 22.     | Marsh Crocodile<br>(Crocodylus palustris)         | Fish  | 3   | 3   | 3   | Monday           |
| 23.     | Gharial (Gavialis gangeticus)                     | Fish  | 0.8   | 0.8   | 0.8   | Monday           |
| 24.     | Indian Soft Shell Turtle<br>(Nilssonia gangetica) | Fish<br>Cabbage<br>Carrot   | 100<br>50<br>100                              | 100<br>50<br>100                              | 100<br>50<br>100                              | Monday           |
| 25.     | Royal Bengal Tiger<br>(Panthera tigris tigris)    | Buffalo/Beef<br>Pork<br>Mutton<br><br>Local Chicken<br>Chicken Soup   | 7-8<br>1.5<br>2<br><br>2-3<br>Prepared in 1kg | 7-8<br>1.5<br>2<br><br>2-3<br>Prepared in 1kg | 7-8<br>1.5<br>2<br><br>2-3<br>Prepared in 1kg | Monday           |
| 26.     | Asiatic Lion<br>(Panthera leo)                    | Pork<br>Chicken /<br>Local Chicken (used for<br>soup)<br>Buffalo/Beef | 1.5<br>2-3<br>2-3<br>7-9                      | 1.5<br>2-3<br>2-3<br>7-9                      | 1.5<br>2-3<br>2-3<br>7-9                      | Monday<br>Monday |
| 27.     | Common Leopard<br>(Panthera pardus)               | Pork<br>Chicken<br>Local Chicken (used for<br>soup)<br>Buffalo/Beef   | 1.5<br>2-3<br>2-3<br>7-9                      | 1.5<br>2-3<br>2-3<br>7-9                      | 1.5<br>2-3<br>2-3<br>7-9                      | Monday           |



## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No. | Species  | Feed Item  | Quantity (Kg)/per individual   |
|---------|--|--|--|
|         |  | Boiled egg with shell<br>Sunflower seeds<br>Mealworms (as treat)   | ½ pc<br>2 gms<br><br><b>145 gms</b>  |
| 32.     | Argus Pheasant<br>( <i>Argusianus argus</i> )  | Grams<br>Crushed maize<br>Wheat<br>Masoor dal<br>Sattu<br>Wheat<br>Paddy<br>White millet<br>Mung bean<br>Hard-boiled egg with shell<br>leafy vegetables (lettuce, cabbage, Palak, lali)<br>Other vegetables onion<br>Seasonal fruits (Guava, Papaya, watermelon, Apple, Banana, pomegranate, red grapes)<br>Seeds (canary, magag, sunflower)<br>Mollasses        | 25 gms<br>20 gms<br>10<br>10<br>5<br>10<br>10<br>10<br>10<br>50<br>100<br>50<br>100<br>10<br>5<br><br><b>420 gms</b> |
| 33.     | Pea fowl<br>( <i>Pavo cristatus</i> )          | Grams<br>Crushed maize<br>Wheat<br>Wheat<br>Paddy<br>White millet<br>Kabuli chana<br>Hard-boiled egg with shell<br>leafy vegetables (lettuce, cabbage, Palak, lali)<br>Other vegetables (Carrots, peas, cauliflower etc)<br>Seasonal fruits (Guava, Papaya, watermelon, Apple, Banana, pomegranate, red grapes)<br>Seeds (canary, magag, sunflower)<br>Mollasses | 20<br>20<br>30<br>20<br>20<br>15<br>20<br>25<br>100<br>100<br>100<br>10<br>10<br><br><b>490 gms</b>                  |
| 34.     | Great Curassow<br>( <i>Crax rubra</i> )        | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Saf Flower<br>White Millet<br>Fruits (Apple, banana, ripe papaya, watermelon)<br>Vegetables (carrot, onion, cabbage, beetroot)<br>Poultry feed<br>Peas (Green Matar)  | 50 gms<br>50 gms<br>10 gms<br>20 gms<br>200 gms<br>150 gms<br>20 gms<br>50 gms<br><br><b>500gms</b>                  |
| 35.     | Helmeted Curassow<br>( <i>Pauxi pauxi</i> )    | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Saf Flower<br>White Millet<br>Fruits (Apple, Banana, ripe papaya, watermelon)<br>Vegetables (carrot, onion, cabbage, beetroot)<br>Poultry feed<br>peas  | 50 gms<br>50 gms<br>10 gms<br>20 gms<br>200 gms<br>150 gms<br>20 gms<br>50 gms<br><br><b>500 gms</b>                 |
| 36.     | Blue and Gold macaw<br>( <i>Ara ararauna</i> ) | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, shelled - groundnut Almond, roasted groundnut)<br>Seeds (Magaj, sunflower, canary)<br>Saf Flower<br>White Millet<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, Guava, watermelon, red grapes)   | 20 gms<br>10 gms<br>10 gms<br>10 gms<br>50 gm<br>30 gms  |

## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No. | Species   | Feed Item  | Quantity (Kg)/per individual |
|---------|---|--|------------------------------|
|         |   | Vegetables (carrot, cabbage, gourd, potol, ladyfinger, beetroot, capsicum, chilly)           | 10                           |
|         |   | Kabuli chana   | 5                            |
|         |   | Peas Matar)  | 5                            |
|         |   | Grams  | 5                            |
|         |   | paddy  | 10                           |
|         |   | corn   |                              |
|         |   |  | <b>165 gms</b>               |
| 37.     | Scarlet macaw<br>( <i>Ara macao</i> )                       | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, shelled-groundnut, roasted groundnut, Almond) | 20 gms                       |
|         |   | Seeds (Magaj, sunflower, canary)   | 10 gms                       |
|         |   | Saf Flower   | 10 gms                       |
|         |   | White Millet   | 50 gm                        |
|         |   | Fruits (Apple, Pomegranate, Alu Bukhara, Banana, Guava, watermelon, Red Grapes)              | 30 gms                       |
|         |   | Vegetables (carrot, cabbage, gourd, potol, lady finger, beetroot, capsicum, chilly)          | 10 gms                       |
|         |   | Kabuli chana   | 5 gms                        |
|         |   | White Peas   | 5 gms                        |
|         |   | Grams  | 5 gms                        |
|         |   | paddy  | 10 gms                       |
|         |   | Corn   |                              |
|         |   |  | <b>165 gms</b>               |
| 38.     | Grey Parrot<br>( <i>Psittacus erithacus</i> )               | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)                            | 5 gms                        |
|         |   | Seeds (Magaj, sunflower, canary)   | 2 gms                        |
|         |   | Saf flower   | 2 gms                        |
|         |   | White millet   | 1 gms                        |
|         |   | Fruits (Apple, Pomegranate, Alu Bukhara, Banana, Guava, watermelon, Red Grapes)              | 15 gms                       |
|         |   | Vegetables (carrot, cabbage, gourd, potol, lady finger, beetroot, capsicum, chilly)          | 15 gms                       |
|         |   | Kabuli chana   | 4 gms                        |
|         |   | White Peas   | 4 gms                        |
|         |   | Grams  | 3 gms                        |
|         |   | paddy  | 2 gms                        |
|         |   | corn   | 5 gms                        |
|         |   |  | <b>58 gms</b>                |
| 39.     | Yellow headed<br>Amazon Parrot                              | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)                            | 5 gms                        |
|         |   | Seeds (Magaj, sunflower, canary)   | 2 gms                        |
|         |   | Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)      | 10 gms                       |
|         |   | Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)         | 10 gms                       |
|         |   | Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum)                           | 5 gms                        |
|         |   |  | <b>32 gms</b>                |
| 40.     | Red breasted<br>parakeet<br>( <i>Psittacula alexandri</i> ) | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)                            | 5                            |
|         |   | Seeds (Magaj, sunflower, canary)   | 3                            |
|         |   | Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)      | 10                           |
|         |   | Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)         | 5                            |
|         |   | Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum)                           | 2                            |
|         |   | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)                            | 1                            |
|         |   | Seeds (Magaj, sunflower, canary)   | 1                            |
|         |   |  | <b>27 gms</b>                |
|         |   | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)                            | 5                            |
|         |   | Seeds (Magaj, sunflower, canary)   | 3                            |
|         |   | Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)      | 10                           |
|         |   | Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)         | 5                            |
|         |   | Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum)                           | 2                            |

## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No. | Species  | Feed Item  | Quantity (Kg)/per individual   |
|---------|--|--|--|
|         |  | Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)  | 1 gms<br>1 gms   |
|         |  |  | <b>27 gms</b>  |
| 41.     | Common Hill Myna ( <i>Gracula religiosa</i> )        | Gram<br>Crushed maize<br>Wheat<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum) | 5 gms<br>3 gms<br>3 gms<br>4 gms<br>2 gms<br>5 gms<br>5 gms<br>3 gms |
|         |  |  | <b>30 gms</b>  |
| 42.     | Common Myna ( <i>Acridotheres tristis</i> )          | Gram<br>Crushed maize<br>Wheat<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum) | 5 gms<br>3 gms<br>3 gms<br>4 gms<br>2 gms<br>5 gms<br>5 gms<br>3 gms |
|         |  |  | <b>30 gms</b>  |
| 43.     | White Cockatoo ( <i>Cacatua alba</i> )               | Gram<br>Crushed maize<br>Wheat<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum) | 10<br>5<br>5<br>5<br>10<br>25<br>20<br>20                            |
|         |  |  | <b>100 gms</b>   |
| 44.     | Moluccan Cockatoo ( <i>Cacatua moluccensis</i> )     | Gram<br>Crushed maize<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum)          | 10<br>5<br>5<br>5<br>25<br>25<br>20                                  |
|         |  |  | <b>100 gms</b>   |
| 45.     | Sulphur-crested cockatoo ( <i>Cacatua galerita</i> ) | Gram<br>Crushed maize<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum)          | 10<br>5<br>5<br>10<br>25<br>25<br>20                                 |
|         |  |  | <b>100</b>   |

## DAILY FEED SCHEDULE OF ANIMALS

| Sl. No. | Species   | Feed Item  | Quantity (Kg)/per individual  |
|---------|---|--|---|
| 46.     | Galah Cockatoo<br>( <i>Eolophus roseicapilla</i> )        | Gram<br>Crushed maize<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum)          | 10 gms<br>5 gms<br>5 gms<br>5 gms<br>10 gms<br>25 gms<br>20 gms<br><b>100 gms</b>                 |
| 47.     | Swan Goose<br>( <i>Anser cygnoides</i> )                  | Crushed Maize<br>Rice<br>Sattu<br>Cabbage<br>Big Fish Live<br>Leafy vegetables (lettuce, palak, sag)   | 50 gms<br>50 gms<br>50 gms<br>50 gms<br>100 gms<br>50 gms<br><b>350 gms</b>                       |
| 48.     | Marabou Stork<br>( <i>leptoptilos crumenifer</i> )        | Fish<br>Snail<br>Kalmi sag   | 650 gms<br>150 gms<br>100 gms<br><b>900 gms</b>   |
| 49.     | Lesser Adjutant Stork<br>( <i>leptoptilos javanicus</i> ) | Fish<br>Snail<br>Kalmi sag   | 650 gms<br>150 gms<br>100 gms<br><b>900 gms</b>   |
| 50.     | Blacked necked Crane<br>( <i>Grus nigricollis</i> )       | Fish<br>Snail<br>Kalmi sag   | 350 gms<br>100 gms<br>50 gms<br><b>500 gms</b>  |
| 51.     | Indian Pond heron<br>( <i>Ardeola grayii</i> )            | Fish   | 50 gms  |
| 52.     | Great Hornbill<br>( <i>Buceros bicornis</i> )             | Gram<br>Crushed maize<br>Wheat<br>Nuts (Brazil, Hazel, macadamia, Pecan, Walnut, groundnut, Almond)<br>Seeds (Magaj, sunflower, canary)<br>Fruits (Apple, Pomegranate, Alu Bukhara, banana, red grapes, watermelon, papaya, guava)<br>Leafy vegetables (cabbage, lal sag, lettuce, palak, raya, raddish and carrot leaves)<br>Vegetables (chilly, onion, Lady finger, Gourd, beetroot, capsicum) | 20 gms<br>20 gms<br>20 gms<br>10 gms<br>25 gms<br>100 gms<br>100 gms<br>100 gms<br><b>395 gms</b> |

## 14. VACCINATION SCHEDULE

| Sl. No | Species            | Vaccinated against disease   | Name of the vaccine and the amount administered | Schedule |
|--------|--------------------|--|---|----------|
| 1.     | Bengal Tiger       | Distemper vaccine  | Purevax Distemper Vaccine-1ML(S/C)              | Annually |
|        |                    | Calicivirus, Herpesvirus, Panleukopenia, Rabies                      | Biofel PCHR-1ML(S/C)                            | Annually |
| 2.     | Common leopard     | Distemper vaccine  | Purevax Distemper Vaccine-1ML(S/C)              | Annually |
|        |                    | Calicivirus, Herpesvirus, Panleukopenia, Rabies                      | Biofel PCHR-1ML(S/C)                            | Annually |
| 3.     | Asiatic lion       | Distemper vaccine  | Purevax Distemper Vaccine-1ML(S/C)              | Annually |
|        |                    | Calicivirus, Herpesvirus, Panleukopenia, Rabies                      | Biofel PCHR-1ML(S/C)                            | Annually |
| 4.     | Leopard cat        | Distemper vaccine  | Purevax Distemper Vaccine-1ML(S/C)              | Annually |
|        |                    | Calicivirus, Herpesvirus, Panleukopenia, Rabies                      | Biofel PCHR-1ML(S/C)                            | Annually |
| 5.     | Jungle Cat         | Distemper vaccine  | Purevax Distemper Vaccine-1ML(S/C)              | Annually |
|        |                    | Calicivirus, Herpesvirus, Panleukopenia, Rabies                      | Biofel PCHR-1ML(S/C)                            | Annually |
| 6.     | Fishing Cat        | Distemper vaccine  | Purevax Distemper Vaccine-1ML(S/C)              | Annually |
|        |                    | Calicivirus, Herpesvirus, Panleukopenia, Rabies                      | Biofel PCHR-1ML(S/C)                            | Annually |
| 7.     | Asiatic Black Bear | Canine Distemper, Hepatitis Parvovirus, Parainfluenza, Leptospirosis | Nobivac DHPPi-1ml(S/C)                          | Annually |

## 15. DEWORMING & FECAL EXAMINATION

| Sl. No | Species                    | Drug used  | Month                              | Frequency of fecal examination |
|--------|----------------------------|--|------------------------------------|--------------------------------|
| 1.     | All carnivore and omnivore | Fenbendazole, Albendazole, Praziquantel, Pyrantel pamoate, Ivermectin, Piperazine. | 03-month interval or when required | Monthly                        |
| 2.     | All herbivore              | Fenbendazole, Albendazole, Ivermectin, Oxytoclozanide, Fluconazole, Piperazine.    | 03-month interval or when required | Monthly                        |
| 3.     | All bird and pheasant      | Piperazine, levamisole, Pyrantel Pamoate, Fenbendazole.                            | 03-month interval or when required | Monthly                        |

## 16. DISINFECTION SCHEDULE

| Sl. No | Species  | Type of enclosure                           | Disinfectant used                               | Method   | Frequency of disinfection |
|--------|--|---|---|--|---------------------------|
| 1.     | Bengal Tiger, Common leopard, Asiatic lion, Leopard cat, Jungle Cat, Fishing Cat, Asiatic Black Bear, Mandrill & Exotic monkey, Hoolock Gibbon, Spectacle langur | Cell  | Vircon-s, & Khorsolin                           | Spray  | Daily (alternative)       |
|        |  | Krall                                       | Vircon-s, & Khorsolin                           | Spray  | Twice a week              |
|        |  | Pond  | KMNO4 & Sodium Carbonate                        | Cleaning   | Daily                     |
|        |  | Outside night shelter (up to 3 meters area) | Vircon-S/Butax/Neem oil/Turmeric powder/Virocid | Cleaning / weeding and bush cutting  | Three times a week        |
|        |  | Inside-outside of cell/Krall                | Blow flame disinfection                         | Burning  | Twice a week              |
|        |  | Foot dip                                    | KMNO4   | Changing foot dip  | Twice daily               |
|        |  |   |   | Checking the enclosure thoroughly and removing fecal matter, cleaning fungal growth if any |                           |
| 2.     | Herbivores   | Feeding shelter                             | Turmeric/KMNO4/Khorsolin                        | Spray  | Three times a week        |
|        |  | Pond  |   | Hand cleaning  | Three times a week        |
|        |  | Feed utensils                               |   | Cleaning   | Daily                     |
|        |  | Feeding bags                                |   | Cleaning   | Daily                     |
|        |  | Feed cans                                   | Vircon-s, & Khorsolin                           | Cleaning   | Three times a week        |
| 3.     | Aviary   | Inside the enclosure                        | Khorsolin/Virocid/Vircon                        | Spray  | Weekly                    |
|        |  |   | Turmeric  | Spray  | Twice a week              |
|        |  |   | Blow flame disinfection                         | Burning  | Daily                     |
|        |  | Outside the aviary                          | Khorsolin/Virocid/Vircon/Lime                   | Spray  | Daily                     |
|        |  |   | KMNO4   | Changing foot dip  | Twice daily               |
|        |  |   |   |  |                           |

# DISINFECTION & SANITATION MANAGEMENT AT NBWAP

Maintaining the well-being of captive animals in the zoo is largely reliant on ensuring proper hygiene and sanitation within the enclosures, for the animals themselves, and for their caretakers. At North Bengal Wild Animals Park (Bengal Safari), a routine cleaning and disinfection schedule is followed to uphold cleanliness standards. This includes daily, weekly, bi-weekly, monthly, and annual work schedules to ensure a high level of hygiene and sanitation throughout the zoo premises.

## -: Disinfectant used :-

**Chemical disinfectant:** Vircon S (10g per 1 litre water), Khorsoline (10ml per 1 litre), Virocid (5g per 1 litre), Lime,

**Natural disinfectant:** Turmeric, Neem oil

### Daily Schedule

- Remove any remaining food, feces, and waste.
- Thoroughly inspect the enclosure and clean any fungal growth.
- Disinfect water bowls and refill with fresh water.
- Clean feeding areas and disinfect them.
- Disinfect night shelters.
- Sweep and mop floors as needed.
- Check and clean animal enrichment items.
- Incinerate leftover bones.
- Ensure all feeding stations are clean and disinfected at the herbivore.
- Refill water troughs with fresh water and disinfect them.
- Disinfect visitor walkways.
- Empty and disinfect trash bins.
- Change foot dip regularly.

### Weekly Schedule

- Disinfection through blow flame should be done three times a week.
- The area outside night shelter above 3 meters should be cleaned with application of Vercon, Butax & turmeric powder three times a week.
- Deep clean all surfaces, including walls, floors, and furniture.
- Clean and rotate enrichment items.
- Inspect and clean air coolers.
- Remove weeds from inside and around the enclosure.
- Disinfect all surfaces with Vercon & Khorsolin spray.
- Thoroughly clean food storage and preparation areas.
- Inspect and sanitize all animal care tools and equipment.
- Pest control measures to be taken in and around the feeding shed.

### Bi-Weekly Schedule (Every 15 Days)

- Clean and maintain large ponds and moats for water quality.
- Check and clean wooden platforms and enrichments.

### Monthly Schedule

- Conduct animal field lopping/cleaning/soil/spraying.
- Water quality checks and cleaning of natural water sources and other water bodies used by safari animals.
- Application of natural disinfectants like turmeric and neem oil for their antimicrobial properties, especially in sensitive areas.
- All floors, walls, roofs of feeding cells, transporting cages, netting, rods to be blow flame sterilized.
- Conduct a detailed inspection of enclosure infrastructure.
- All moat water to be pumped out, desilted, lime washed, and then filled with fresh water.
- Monthly burning of all debris to be done in exhibit/display areas whenever required.
- Liming to be carried out in and around enclosures.
- Perform minor repairs and maintenance tasks.
- Deep clean and disinfect all enrichment items and shelters.
- Deep cleaning of kitchen storage rooms, including shelves, walls, and floors.
- Checking and maintaining vegetation and plant health in enclosures.
- Inspect and deep clean seating areas, playgrounds, and other visitor amenities.
- Conduct a thorough check and cleaning of public restrooms.
- Review and restock hygiene and cleaning supplies.
- Clean and disinfect office spaces and meeting rooms.

### Annual Schedule

- Removal of topsoil in all kraals and intensively used, pacing areas and refilling with fresh sand and soil.
- A thorough deep cleaning and disinfection of all enclosures and facilities.
- Deep cleaning and disinfection of the entire veterinary hospital facility.
- Conduct a comprehensive inspection and overhaul of all enclosures.
- Repaint and refurbish areas as needed.

## 17. HEALTH CHECK-UP OF EMPLOYEES FOR ZOO NOTIC DISEASES

| Name                       | Designation              | Date of Health Check up | Findings of Health Check up |
|----------------------------|--------------------------|-------------------------|-----------------------------|
| 1. Dr. Nick Doley          | Veterinary Officer       | 22.10.2024              | Nil for Zoonotic disease    |
| 2. Shri Biswajeet Sarkar   | Veterinary Assistant     | 22.10.2024              | Nil for Zoonotic disease    |
| 3. Shri Janardan Chowdhury | Assistant Zoo supervisor | 22.10.2024              | Nil for Zoonotic disease    |
| 4. Shri Gopal Biswakarma,  | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 5. Shri Prasenjit Barman,  | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 6. Md. Aminur Rahman,      | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 7. Shri Krishna Adhikary,  | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 8. Shri Himu Barman,       | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 9. Shri Karan Marandi,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 10. Shri Bappa Barman,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 11. Md. Rafiqul Islam,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 12. Shri Dipu Urow,        | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 13. Shri Bijoy Majhi,      | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 14. Shri Rohan Rai,        | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 15. Shri Bibek Roy,        | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 16. Shri Pranab Tamang,    | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 17. Shri Sangam Majhi,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 18. Shri Biswajit Roy,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 19. Shri Bijoy Uraon,      | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 20. Shri Barkha Majhi,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 21. Shri Birbal Modak,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 22. Shri Ramesh Mardi,     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 23. Shri Rajen Oraon,      | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 24. Shri Subham Sharma,    | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 25. Shri Rakesh Tamang     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 26. Shri Sudeb Sarkar      | Research Assistant       | 22.10.2024              | Nil for Zoonotic disease    |
| 27. Shri Ranjit Saibo      | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 28. Shri Subhas Koirala    | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 29. Shri Surya Mohan Rai   | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 30. Shri Mukesh Biswakarma | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 31. Shri Sohit Saibo       | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 32. Shri Mangal Mahanta    | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 33. Shri Jogesh barman     | Patawala                 | 22.10.2024              | Nil for Zoonotic disease    |
| 34. Shri Kamal Roy         | Patawala                 | 22.10.2024              | Nil for Zoonotic disease    |
| 35. Shri Ratan Debnath     | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 36. Shri Karjee Thakuri    | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 37. Shri Unish Saibo       | Cook                     | 22.10.2024              | Nil for Zoonotic disease    |
| 38. Shri Parimal Barman    | Patawala                 | 22.10.2024              | Nil for Zoonotic disease    |
| 39. Shri Dibakar Sharma    | Garden Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 40. Shri Subal Pradhan     | Animal Attendant         | 22.10.2024              | Nil for Zoonotic disease    |
| 41. Shri Kalu Rai          | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 42. Shri Lok Bahadur Lama  | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 43. Shri Naba Kumar Roy    | Security                 | 22.10.2024              | Nil for Zoonotic disease    |
| 44. Shri Passang Tamang    | Security                 | 22.10.2024              | Nil for Zoonotic disease    |



18.

## Developmental works carried out during 2024-25

Throughout the year, several initiatives have been initiated to enhance the zoo's overall progress, focusing on improving animal habitats, veterinary care, and visitor amenities.

### Name of the work

1. Repairing and Renovation of Tiger Enclosure at NBWAP (Bengal Safari).
2. Repairing and Renovation of Lesser Cat Night Shelter and Enclosure (LC4 & LC7) at NBWAP (Bengal Safari).
3. Repairing and Renovation of Lesser Cat Night Shelter and Enclosure (LC3 & LC6) at NBWAP (Bengal Safari).
4. Repairing and Renovation of Lesser Cat Night Shelter and Enclosure (LC1 & LC2) at NBWAP (Bengal Safari).
5. Repairing and Renovation of Aviary and Lesser Cat Night Shelter and Enclosure (AV5, AV8 & LC5) at NBWAP (Bengal Safari).
6. Installation of Paver Blocks Footpath around the Veterinary Hospital and Ticket Counter at NBWAP (Bengal Safari).
7. Supply of 125KVADG Set with AMF panel and acoustic enclosure with well equipped exhaust pipe as per technical specification (Make-Ashok Leyland or Equivalent ISI approved) at NBWAP (Bengal Safari).
8. Construction of Porcupine Enclosure at NBWAP, Siliguri.
9. Installation of 20KWp, 240V Roof Top (Solar Power Plant off Grid) for Electrification in Lion Night Shelter at NBWAP, Siliguri.
10. Repairing of Safari road from Pickup point towards Herbivore Safari (154.00m) at NBWAP (Bengal Safari).
11. Addition and up-gradation of Under Ground Reservoir and Water supply network for Constrictor house at NBWAP (Bengal Safari).
12. Extension of Utility of Carnivores Night Shelter and Permanent Enrichment at NBWAP (Bengal Safari).
13. Extension of Curtain Boulder Wall and Display Kraal of Carnivores Night Shelter at NBWAP V
14. Modification and Enrichment Works of Gibbon Enclosure at NBWAP (Bengal Safari).
15. Extension and Structural Strengthening work of Hoolock Gibbon Enclosure at NBWAP (Bengal Safari).
16. Expansion and Augmentation for off-Display Kraal and Release Channel Adjacent to Carnivores Night Shelter at NBWAP (Bengal Safari).
17. Construction of Range Officer Quarter at Residential area in NBWAP (Bengal Safari).
18. Construction of Two Nos Gate of Carnivore Safari for Entry and Exit at NBWAP (Bengal Safari).
19. Construction of Two Nos Gate of Herbivore Safari for Entry and Exit at NBWAP (Bengal Safari).
20. Extension of Herbivore Enclosure wall (750.00m) at NBWAP (Bengal Safari).
21. Vertical Extension of Existing Herbivore Boundary Fencing for Conversion to Carnivore Boundary Fencing (L-1300.00m) at NBWAP, Siliguri.
22. Extension of Generator Room at NBWAP, Siliguri.
23. De-siltation of Jhora (Part-I) at NBWAP, Siliguri.
24. Extension of Lion Safari road (430.00m) in front of display kraal of Lion Enclosure at NBWAP, Siliguri.
25. Extension and addition of RBT wire for strengthening of Herbivore Enclosure at NBWAP, Siliguri.
26. Extension and Modification of Two Nos Gate of Carnivore Safari (phase-II) for Entry and Exit at NBWAP, Siliguri.



Cave-like Structure with Flowing Water Body enrichment for lion at Safari.



Lion Safari exit gate



New Tiger Safari Entry Gate 1 (near old gate)



New Tiger Safari Entry Gate 2



New Combo Safari Entry Gate



New Combo Safari Exit Gate



Porcupine Enclosure with visitor pathway



Snake House with visitor pathway



Western Hoolock Gibbon Enclosure



Small Water Bird Aviary



Visitor pathway of Small Water Bird Aviary



New Range Officer's Quarter



Ladies & Gents Washroom in the zoo area



De-siltation of Jhora (Part-I) at NBWAP



Extension of Generator Room at NBWAP

# 19. ZOO EDUCATION

## EDUCATION AND AWARENESS PROGRAMMES DURING THE YEAR

In the year 2024-25, North Bengal Wild Animals Park organized a total of **18 educational** and awareness programs, along with **6 training** sessions. Overall, there were **1,645 recorded participants**.

### List of Educational Programmes at NBWAP for the year 2024-2025

| Sl. No. | Event name                                 | Type of event            | Date                   | No. of Participants | Activity conducted   |
|---------|--|--------------------------|------------------------|---------------------|--|
| 1.      | World Earth Day                            | Awareness & Educational  | 22.04.2024             | 225                 | educational session, Art competition, Zoo tour   |
| 2.      | World Veterinary Day                       | Celebration, & Training  | 27.04.2024             | 32                  | Felicitation, Training workshop  |
| 3.      | International Day for Biological Diversity | Awareness & Educational  | 22.05.2024             | 39                  | educational session, Sharing thoughts  |
| 4.      | World Environment Day                      | Awareness & Educational  | 5.06.2024              | 120<br>35           | Ceremonial plantation<br>Poster making, storytelling, and poetry recitation  |
| 5.      | World Zoonoses Day                         | Awareness & Educational  | 6.07.2024              | 21                  | Seminar  |
| 6.      | Van Mahotsav                               | Awareness & Educational  | 20.07.2024             | 60                  | educational session, ceremonial plantation   |
| 7.      | International Tiger Day                    | Educational awareness    | 29.07.2024             | 29                  | Felicitation, discussions on tiger management  |
| 8.      | World Lion Day                             | Educational              | 10.08.2024             | 34                  | Seminar, Animal talk, Mask making competition  |
| 9.      | World Elephant Day                         | Educational awareness    | 12.08.2024             | 60                  | mask making, stone painting, creative writing, poetry recitation, talk on elephants and selfie booth               |
| 10.     | Independence Day of India                  | Celebration              | 15.08.2024             | 180                 | flag-hoisting ceremony   |
| 11.     | International Vulture Awareness Day        | Educational, & awareness | 03.09.2024             | 66                  | Seminar, Painting Competition, Essay Competition and Zoo tour  |
| 12.     | World Rhino Day                            | Educational, & awareness | 22.09.2024             | 57                  | Seminar, Animal talk, Quiz competition, extempore, and zoo tour  |
| 13.     | World Wildlife Week                        | Educational              | 1.10.2024 to 7.10.2024 | 150                 | Seminar, expert talks, drawing sessions, storytelling, stone painting, and safari tours                            |
| 14.     | Children's Day                             | Celebration              | 14.11.2024             | 45                  | Costumes themed on wildlife exhibited by the students, cake cutting ceremony, educational session and safari tours |
| 15.     | Foundation Day of NBWAP                    | Celebration              | 21.01.2025             | 200                 | Marathon race, Inter school art competition, felicitation to staff, dance, song, poetry etc.                       |
| 16.     | Republic Day of India                      | Celebration              | 26.01.2025             | 180                 | flag-hoisting ceremony   |
| 17.     | World Wildlife Day                         | Educational, & awareness | 03.03.2025             | 40                  | Zookeepers' awareness program, online Art competition, Essay competition   |
| 18.     | International Women's Day                  | Celebration              | 08.03.2025             | 46                  | Introductory session & Felicitation  |

## Earth Day

The "Plastic vs. Planet" art competition for Earth Day 2024 engaged over 200 students in showcasing their creativity and sustainability concerns. It emphasized the youth's role in environmental advocacy and the impact of art on promoting eco-consciousness. Special thanks were given to Ankur Art Academy, the Smile Group, and volunteers for their support in the event's success.



## World Veterinary Day

On World Veterinary Day, Bengal Safari celebrated its dedicated veterinarians who ensure the health and welfare of all animals. The Director and Assistant Director recognized their commitment to animal care. The event included a training workshop on captive tiger behavior, providing staff with insights to enhance tiger care and safety, and fostering knowledge sharing among experts.



## International Day for Biological Diversity

The celebration of the International Day for Biological Diversity at Bengal Safari, themed "Be Part of the Plan," was organized with children from a nearby village alongside our dedicated staff. The initiative successfully engaged the community, emphasizing the crucial role of biodiversity conservation. Activities included interactive sessions, educational lessons, children's animal talks, biodiversity protection discussions, a nature tour, and the distribution of rewards and gifts.



## World Environment Day

On World Environment Day, the Baikunthapur Forest Division organized a cycle rally ending at Bengal Safari, followed by a breakfast and a ceremonial plantation program attended by several forest officials and BSF officials. School children from nearby areas participated in activities like poster-making, storytelling, and poetry recitation, receiving folders with writing materials and stationery.



## World Zoonoses Day Seminar

On World Zoonoses Day, Bengal Safari held a seminar, “Bio-security Measures: A Preventive Tool Against Zoo Animal Diseases,” led by Dr. Pralay Mandal from Kolkata. The event aimed to educate attendees on bio-security to protect zoo animals and promote health. Dr. Mandal received a memento and khada from the park's Range Officer at the seminar's conclusion.



## Celebration of Ban Mahotsav

Bengal Safari celebrated Ban Mahotsav with great enthusiasm through a plantation program involving school students, teachers, zoo staff, and forest officials. The event not only focused on planting trees but also aimed to foster environmental responsibility and community spirit, contributing to a greener, sustainable future.



## International Tiger Day

We honored our devoted animal attendants for their commitment to caring for Bengal Tigers. Their engaging talks, poetry, and discussions on tiger management made the event memorable. We also shared a joyful video of tiger cubs on Facebook to celebrate the occasion.



## World Lion Day

World Lion Day is celebrated on August 10th to raise awareness about lions and their ecological importance. An event at North Bengal Wild Animals Park involved local schools, featuring presentations on lions, insights from animal attendants, a mask-making competition, and a safari tour. Tenth-grade student Adarsh Chaturvedi gave a notable talk on lions, and awards were presented for the mask competition. The event also honored animal attendants for their dedication to caring for lions, concluding with a safari tour for participants.



## World Elephant Day

On August 12, 2024, North Bengal Wild Animals Park in Siliguri celebrated World Elephant Day to promote elephant conservation. Activities included mask making, stone painting, creative writing, and poetry recitation, along with a conservation talk. The event also featured a selfie booth and a safari tour to observe the park's elephants, Laxmi and Urmila, and acknowledged the dedication of the keepers. Shri C. Sudhakar, IPS, Commissioner of Police, Siliguri Police Commissionerate, attended the event and awarded the prizes to the competition winners.



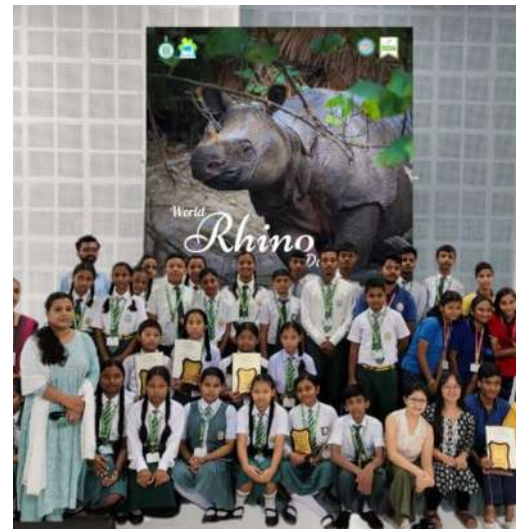
## International Vulture Awareness Day

North Bengal Wild Animals Park (Bengal Safari) celebrated "International Vulture Awareness Day" to highlight vultures' essential role in the ecosystem. Activities included a presentation on vulture conservation, a painting competition, an essay competition, and a tour to observe vultures, with participation from Kendriya Vidyalaya Sevoke Road and Salugara High School. Vulture keepers were honored by the Director and Assistant Director of NBWAP. The competitions focused on themes like "Vultures – Nature's Clean-up Crew" and "Why Vultures Are Important for the Environment."



## World Rhino Day

World Rhino Day 2024 was celebrated at North Bengal Wild Animals Park under the theme "Protecting Rhinos: Safeguarding Ecosystem." The event educated students about the five rhino species and their conservation status, featuring a visit to the male rhino "Bhim" and a speech on conservation issues. Students from PM Shri Kendriya Vidyalaya and Vidyasagar School participated in a quiz on rhino biology and conservation, while older students gave extempore speeches on ecological significance and conservation needs. The program concluded with the distribution of certificates and mementos to winners.



## Children's Day Celebration

On November 14th, Bengal Safari celebrated Children's Day by inviting primary school and specially-abled children from Smile Group in Bagdogra. The event fostered inclusivity and a connection to nature, with kids dressed as their favorite animals. Highlights included a cake-cutting ceremony and a safari tour for close animal encounters, along with gifts and refreshments, making it a memorable day for all.



## World Wildlife Day

On the eve of World Wildlife Day, Bengal Safari held a Zookeeper Awareness Program to improve understanding and preparedness against Avian Influenza. The event included two presentations:

- “Precautionary Measures to Prevent Avian Influenza” by Shri Abhishek Chowdhury, WBFS, Assistant Director, NBWAP.
- “Awareness on Avian Influenza: Understanding, Management, and Prevention” by Dr. Ruhul Amin honorary V.O and Dr. Nick Doley, V.O, NBWAP.

These sessions offered vital insights on preventive strategies and biosecurity measures to protect zoo animals from avian influenza.

Additionally, Bengal Safari conducted a week-long online Art & Essay Writing Competition to promote wildlife conservation, with awards for the best entries.



## List of Training Programmes at NBWAP for the year 2024-2025

| Sl. No. | Training on  | Date                     | Training to   | No. of Participants |
|---------|--|--------------------------|---|---------------------|
| 1.      | Understanding the behaviour of captive tigers in zoo and safari settings   | 27.04.2024               | Animal attendants, Zoo staff of North Bengal Wild Animals Park  | 32                  |
| 2.      | Management of Big cats and Asiatic Black Bear at Bengal Safari   | 28.04.2024               | Animal attendants, Zoo keepers of Harinalaya Mini Zoo, Alipore Zoological Garden, Garchumuk Zoological Park, Surulia Mini Zoo, North Bengal Wild Animals Park   | 10                  |
| 3.      | Safe and Responsible Safari driving  | 20.07.2024               | Drivers of North Bengal Wild Animals Park   | 17                  |
| 4.      | The importance of zookeepers in managing animals in captivity, highlighting the commitment and importance of their work. | 01.10.2024               | Animal attendants, Zoo staff of North Bengal Wild Animals Park  | 22                  |
| 5.      | Observing animal health, managing medical care safely, and understanding gastrointestinal issues                         | 01.10.2024               | Animal attendants, Zoo staff of North Bengal Wild Animals Park  | 22                  |
| 6.      | Regional Zoo keepers training organized by Central Zoo Authority, MOEF & CC, India at North Bengal Wild Animals Park.    | 06.12.2024 to 08.12.2024 | Animal attendants, Zoo keepers of Adina Deer Park, Bardhaman Zoological Park, Taptapani Mini Zoo, Nandankanan Zoological Park, Rasikbeel Mini Zoo, Wild Animal Conservation Centre, Sanjay Gandhi Biological Park, Padmaja Naidu Himalayan Zoological Park, Nandavan Jungle Safari, Harinalaya, South Khairbari Mini Zoo, Tata Steel Zoological Garden, Surulia Mini Zoo, Junglemahal Zoological Park, Jhargram Division, Garchumuk Zoological Park, Kanan Pendari Zoological Garden, Subdarban Wild Animals Park, North Bengal Wild Animals Park | 23                  |



Fig: Training on “Understanding the behaviour of captive tigers in zoo and safari settings”

# Important Events & Happenings in the Zoo

20.



## *Celebration of Foundation Day of Bengal Safari*

On January 21, 2025, North Bengal Wild Animals Park (Bengal Safari) celebrated its 10th anniversary of wildlife conservation with distinguished guests, including Shri C. Sudhakar, IPS, Commissioner of Police, Siliguri Police Commissionerate and Forest officials. The event featured a diya lighting, cake-cutting, and an inspiring address by Director Shri E. Vijayakumar. Cultural performances included a dance, poetry recitations, and a duet. An inter-school art competition showcased students from seven schools, followed by a thrilling safari tour and refreshments. Staff members were recognized for their contributions, with special awards for best enclosures and a retirement honor for Shri Sante Subba. The day ended with a celebratory lunch, creating lasting memories.

## *Inauguration of new facilities at the park*

Throughout the year, the park introduces an array of exciting new facilities, including a small water bird aviary, a porcupine enclosure, a new combo safari entry gate, a constrictor house, a Kids Adventure Park, and enhanced visitor pathways at various enclosures. These additions are designed to augment the enjoyment of all visitors to the zoo.



# 21. Seasonal special arrangements for upkeep of animals

## SUMMER ENRICHMENTS

To keep zoo animals safe from high temperature during this summer following steps have been undertaken.

### 1. Arrangements for proper hydration:

- To keep animals hydrated in hot weather condition animals housed at North Bengal Wild Animals Park are provided with clean drinking water at all times.
- Water bodies and ponds inside the animal enclosures are regularly filled with water so that the animals can bath and cool off.
- Also, pond water is regularly replaced to maintain cleanliness and hygiene.
- In order to prevent dehydration and nutrient loss ORS, Vitamin-C and Vitamin B complex supplements are being added to the drinking water provided to the animals.
- To deal with the rising temperature ice blocks are provided in the animal night shelters as summer enrichment for maintaining convenient temperature.
- Fruits with high moisture content such as watermelon, Mousambi, grapes and cucumber are provided regularly for hydration.





**2.Provision of shade:**

- Shaded areas have been provided in all the enclosures by undertaking thatched roofing, agronet covering and plantation of shade trees.
- Additionally, small to medium sized shade houses have been made for birds, primates and herbivores.

**3.Installation of sprinklers and showers:**

Water sprinklers and showers have been installed in the animal enclosures to regulate the body temperature of animals by keeping them adequately hydrated.



**4.Continuous monitoring of animal health and behaviour:**

Round the clock monitoring of the animals health and behaviours is being done by the staff, officials and Veterinarians to prevent heat related illness during this summer season.



**5. Installation of adequate air coolers and fans:**

Adequate air coolers, stand fans and ceiling fans have been installed in the animal night shelters for maintaining ambient temperature to provide comfortable environment for the animals.

**6. Housing Adjustment:**

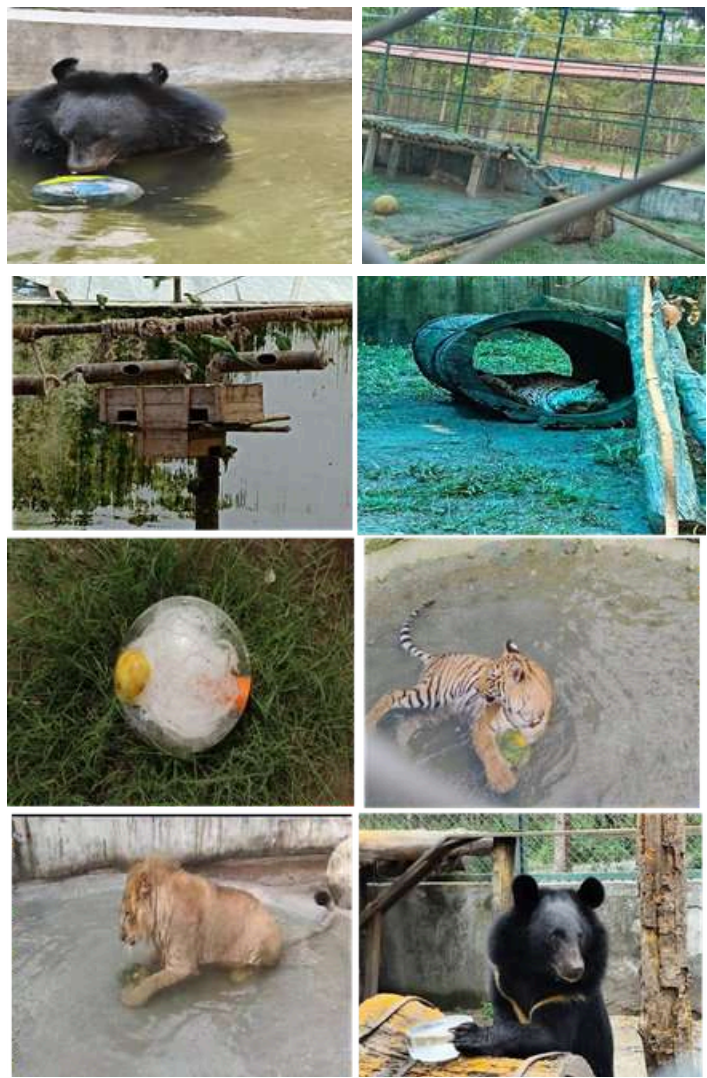
Adequate ventilation along with installation of exhaust fans has been provided in animal night shelters for better temperature regulation.

**7. Adjusting feeding schedules and diet:**

Feed is being provided during cooler parts of the day such as early morning and late afternoon. Fruits having higher water content have been incorporated in the diet of primates, bears and birds.

**8. Arrangements of Inverters and Generators:**

To prevent emergent situation arising due to power outage or system failure during summer season which may cause potential threats to zoo animals, arrangements of generators and inverters have been done.



The monsoon season in Siliguri, spanning from mid-June to early October, transforms the area into a vibrant, lush paradise with gushing streams and abundant vegetation. This period sees a rich bloom of various plant species and a surge in animal activity. However, the frequent rains also pose significant challenges for zoo infrastructure and animal keepers. To tackle these seasonal difficulties and ensure the smooth operation of the zoo amidst the seasonal beauty, the North Bengal Wild Animals Park (NBWAP) has implemented a range of proactive measures. For convenience purpose, we have divided the management practice under two headings:

1) Animal care and 2) Monsoon-Related Practices for Managing Zoo Infrastructure and visitors.

## 1. Animal Care

### Shelter and shade

- To provide temporary shelter for the animals during rainfall, tarpaulin was used to cover either half or entire portion of the roof at enclosure in various animal shelters and in aviary section.
- Besides this, for birds and pheasants, along with primates, nest boxes or nesting sites were provided for the use of the animal to avoid rainfall and also direct sunlight.
- Apart from this, during heavy rainfall, the animals were not released into the safari area. Instead they were kept inside the display for the visitors to see.



Tarpaulin cover at lion shelter



Provision of nest boxes and shelter for pheasants and primates

### Cleaning

- Trees, particularly near night shelters, were pruned, and the enclosures and areas near the enclosures and night shelters, including shades and roofs, were weeded to prevent the growth of unwanted vegetation and to deter wild snakes and other free-ranging animals from entering.
- Regular cleaning also includes clearing outlets to prevent water logging, cleaning and changing pond water, and using absorbent materials to keep the floors of the animal night shelters dry. Besides this, blowers have also been provided to combat moisture and daily temperature fluctuations in night shelters and in the veterinary hospital of the park.
- In addition to this, mosses and algal growth are being controlled by regularly scrapping them off the walls at animal night shelters and enclosures. To prevent infestations of rodents, snakes, and molluscs, the accumulation of rocks, boulders, and standing water inside animal enclosures and night shelters is avoided at all times.



Image of animal attendant weeding areas near the spectacle langur enclosure.



Cleaning and changing pond water at herbivore safari area.

### Sealing holes and burrows

- The enclosures are thoroughly inspected, and any holes or burrows found within or near them are sealed immediately to prevent the entry of snakes and rodents.

### Fodder collection

- Fodder collection for herbivores is avoided from waterlogged areas to prevent the spread of mold, parasites, and harmful bacteria that thrive in damp conditions. This practice helps maintain the health and well-being of the animals during the monsoon season by ensuring they receive clean and uncontaminated food, thereby reducing the risk of illness and digestive issues.

### Disposal of waste

- Faecal matter is removed daily from the enclosures and kraal by the animal attendants. Additionally, organic waste such as vegetable peels, leaves etc., generated daily is collected by the attendants and properly disposed of in the garbage vehicle every morning, and disposed by burning.
- The leftover meat and bones are collected and incinerated daily.

### Prophylaxis

- During this season, the zoo management has been specially geared up to employ strict prophylactic measures. Since this season is favourable for parasitic diseases and infections, frequency of stool test for gastrointestinal parasite screening was increased in the zoo laboratory. Further, stool samples of the captive animals were also sent to IAH & VB Belgachia, Kolkata for analysis.
- Soil samples, food samples, animal blood samples, and meat samples of animals was sent to IAH & VB Belgachia, Kolkata for detailed analysis. Treatments and precautionary measures are implemented as required and adapted to meet urgent needs.
- ORS electrolyte have also been distributed in all the night shelters for emergency use.
- To prevent zoonosis, animal attendants are also screened for zoonotic diseases once a year. Vaccination for antirabies and deworming are provided to the animal attendants during this season.

### Deworming

- Routine deworming for all animal groups is carried out by the park's veterinary section, as parasitic load and infestation frequency are particularly high during this season. This practice helps prevent unforeseen health issues.

### Disinfection

- Disinfection is carried out regularly on a daily basis inside the enclosures, cells, and kraals using Khorsolin, turmeric powder, Virkon, and Viroid. Disinfection is conducted daily.
- Quicklime is applied to prevent algal and fungal growth on the walls outside the enclosure and up to five meters from the immediate vicinity. It is also applied daily at the entry gate of the animal enclosure.
- Diluted carbolic acid is applied up to five meters outside the as a snake repellent as per requirements.
- Additionally, Butox solution is sprayed thrice weekly in the immediate vicinity of the animal enclosures, up to five meters outside, to control ectoparasites such as leeches, mites, and ticks.
- The frequency of burning through blow flame was increased to thrice a week in the enclosure, kraal, and night shelters and daily in the kitchen.
- Additionally, foot dips containing potassium permanganate are installed and regularly refreshed in front of all enclosures, kraals, and the veterinary hospital to prevent the spread of infections.



Disinfection with Viroid spray and lime close to the vicinity of the animal enclosure in Aviary section.



Disinfection using blow flame in the Reptile enclosure

### Safety of animal attendants

- Animal attendants are equipped with essential safety gear to protect themselves while performing their duties. This includes using torches, PPE kits, gloves, face masks, shoe cover, head cover, and aprons when handling animals, preparing fodder, and managing biological samples.
- During night shifts, attendants use torches and searchlights to ensure visibility and safety. Additionally, clothed shoes and gumboots are worn as personal safety measures to prevent the risk of snake bites.

## 2. Monsoon-Related Practices for Managing Zoo Infrastructure and visitors.

### Flood prevention measures

- The two streams, Singhijhora and Syamjhora, flow through the western side of the herbivore safari area. During the monsoon season, these streams increase significantly in size and sometimes alter their course. To prevent flooding and potential damage, and to ensure the safety of the safari animals, the water levels are regularly monitored for early signs of overflow. Additionally, desilting and dredging are performed to remove excess sediment and maintain the streams' capacity.
- The banks are reinforced with natural barriers, such as rocks and vegetation, besides sand bags to prevent erosion and any damages caused due to increased water level, and the zoo's drainage system is meticulously maintained to redirect excess water away from enclosures. Emergency protocols are in place for animal evacuation if necessary, and staffs receive training in flood response and animal handling.

### Boundary wall and fencing protection

- In order to shield the boundary fencing from damage caused by high water levels, MS joists (ISMB, 150mm) were positioned in a diamond pattern on the riverbeds. Debris carried by the water current is effectively trapped by this design, preventing it from building up against the boundary walls/fencings and causing structural damage.

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Nylon nets and sand bags were used to cover vulnerable sections of the fencing to prevent animals from escaping in case of any damage



MS joists constructed across river



Use of nylon nets at herbivore safari

### Rapid response team

- A team comprising 10 members has been formed to actively respond to any damage caused due to increased water levels and other monsoon related problems, such as fallen trees, road damage, river-related problems, fencing damage and more.

### Generators and Power

- Prior to the monsoon, maintenance of the inventors were carried out.
- Generators are vital in zoos to ensure a continuous power supply for critical operations such as hand-rearing, egg incubation, caring for diseased animals, and maintaining storage facilities for medical supplies and feed. Recognizing this need, NBWAP proposed the installation of new generators in July. The generator line has already been established up to the Asiatic Black Bear enclosure, with the provision of electrical connections currently in progress.



New generator house

### Maintenance and Repair

- In the previous years at tiger night shelter, rising water levels have caused backflow from the pits, leading to slippery and dirty conditions. To address this issue this season, a septic tank has been proposed to collect the slurry and keep the shelter dry and clean. Additionally, a strainer will be installed in the connecting drain to capture biological debris and prevent blockages. The collected debris will be regularly removed and properly disposed of to maintain cleanliness and functionality.
- New nozzles were procured for the burning sets used for disinfection.



- Fences were cleared and roofs in various enclosures/ night shelters and resident areas were cleaned to prevent debris buildup and address/prevent monkey menace.
- Heavy rainfall also damages the roads in the safari area due. To address this issue, gunny bags were used as a guard wall at both sides of the road to prevent erosion, and the damaged portion of the road was repaired with RBM.
- An artificial highland was constructed in the Black Buck enclosure by covering a base of saal wood with RBM. This raised platform allows the animals to stay dry during rainfall, keeping them above any accumulated water until it evaporates or is cleaned up by zoo management.
- Culvert rectification and renovation (Krishna Culvert) was done near the herbivore safari exit using sand bags and RBM.



Artificial highland at Black Buck enclosure

### Clothing and protection

- To ensure the comfort and safety of animal attendants during the rainy season, a variety of essential items were distributed. Each attendant received raincoats and gumboots to protect them from the wet conditions while working outdoors.
- Additionally, oral rehydration salts (ORS) were supplied to help prevent dehydration, especially in the humid environment. Attendants were also given sturdy shoes and long-sleeve T-shirts to provide protection and comfort during their duties.
- Given the high prevalence of mosquitoes in the area, Odomos, a mosquito repellent, was provided to protect against insect bites and reduce the risk of mosquito-borne diseases. These measures help ensure that the attendants can perform their duties effectively while minimizing health risks.

During the winter season, a series of comprehensive precautionary measures were undertaken in the animal enclosures and night shelters to ensure the health and well-being of the animals. These measures were essential to prevent cold stress, maintain hygiene, and ensure adequate warmth. The following steps were diligently followed:

### 1. Provision of Warm Shelters:

Additional bedding and insulation were provided in the animal night shelters to offer warmth and comfort during the colder nights.



### 2. Heating Systems:

Use of heaters and heat lamps in night shelters to maintain a comfortable temperature for the animals, especially for those sensitive to cold.



### 3. Dietary Adjustments:

Nutrient-rich and energy-dense foods were included in the animals' diets to help them maintain body heat and energy levels.



### 4. Increased Feeding Frequency:

The frequency of feeding was increased to ensure animals receive sufficient calories to cope with the cold.



### 5. Water Supply Management:

Regular monitoring and maintenance of water supply systems to ensure animals have access to fresh, elevated-temperature water.



## 6. Health Monitoring:

Increased frequency of health checks to monitor animals for signs of cold stress or illness, allowing for prompt intervention if necessary.



## 7. Enclosure Maintenance:

Regular cleaning and maintenance of enclosures and night shelters to ensure a hygienic environment and reduce the risk of infections.



## 8. Straw and Hay Bedding:

Providing ample straw and hay bedding in enclosures and shelters to offer additional warmth and insulation.



## 9. Enclosure Enrichment:

Enrichment activities such as providing warm hiding spots and heated platforms to keep animals engaged and comfortable.



## 10. Monitoring Outdoor Access:

Limiting outdoor access during the coldest periods and ensuring animals have the option to retreat to warm shelters.



### 11. Biosecurity measures:

A disinfection routine was maintained, involving the application of khorsoolin, turmeric, Virkon, and Virocid; burning through blow flame application to mitigate the spread of infections and diseases.



### 13. Hydration:

Ensuring animals remain hydrated by providing warm water during feeding times to encourage drinking.



### 14. Protective Coverings:

Using tarpaulins and other coverings to protect open enclosures from cold waves, maintaining a dry and warm environment.



These measures were crucial in maintaining the overall health and comfort of the animals during the Summer, monsoon & winter period, demonstrating the zoo's commitment to providing a safe and nurturing environment for its inhabitants.

## 22. Research Work carried out and publications

### I. The final reports of the previous annual 2023-24 was submitted which are as follows including an interim report-

- Research Project 1: Study on Dung/Scat Analysis of Herbivore Animals to Analyze the Presence of Gut Parasites
  - Final draft of Report submitted to WBZA.
- Research Project 2: Captive Breeding & Management of Bengal Tiger
  - Final draft of Report submitted to WBZA.
- Research Project 3: Study of Hematological and Biochemical Values of Captive Asiatic Elephants (*Elephas maximus*)
  - Interim report (Phase 1) submitted to WBZA.

### II. This annual witnessed initiation of 3 research projects approved in the.....TC meeting of WBZA.

1. Study on Hair Histology of Various Wild Mammalian Species in Captivity at North Bengal Wild Animals Park, Siliguri
  - Date of Initiation: 02/12/2024.
2. Comprehensive Waste Management Strategies for Zoological Parks at North Bengal Wild Animals Park, Siliguri
  - Date of Initiation: 10/12/2024.
3. Behavioral Study for the Captive Management of Asiatic Black Bear (*Ursus thibetanus*) at North Bengal Wild Animals Park
  - Date of Initiation: 02/12/2024.

Mr. Bhairav Kumar Singha, Ms. Nabanita Paul, and Ms. Esha Bhattacharya has joined as Research Scholar for the projects.

### III. Research Articles Published & Submitted:

1. Pariyar, P., Sarkar, S.K., Chowdhary, A., Doley, N., and Basak, S. (2024). A Note on Captive Rearing of Common Mime (*Papilio clytia*) at North Bengal Wild Animals Park, West Bengal. **Published in Prithivya, An Official Newsletter of WCB Research Foundation and WCB Research Lab. Vol 4 (1) 5-11..**
2. Doley, N., Pariyar, P., Kumar, E.V., Chowdhary, A., Sarkar, S., Chongder, I., and Das, I. Successful Hand-Rearing of a Newly Born Orphaned Wild Common Leopard (*Panthera pardus fusa*, Linnaeus, 1758) at North Bengal Wild Animals Park, West Bengal: A Case Study. (2025). **Published in International Journal of Veterinary Sciences and Animal Husbandry, 10(3): 156-160.**

## 23. Conservation Breeding program

Currently, there are no conservation breeding programs in progress within the park. Nonetheless, there is a significant opportunity to start conservation breeding of local species like the Fishing Cat and Tokay Gecko due to the consistently favorable climate. The existing facilities within the park's boundaries are ideal for initiating this project. Scientific institutions such as universities, colleges, and other interested organizations in the state and neighboring districts will have direct access to explore the conservation possibilities of breeding endangered species.



## 24. Animal acquisition / transfer / exchange during the year

**ACQUISITION AND TRANSFER OF ANIMALS AT NORTH BENGAL WILD ANIMALS PARK, SILIGURI 2024-25**

| S.NO         | Species                      | Scientific name                                     | Sex                              |           |           | Acquired from           | Date of acquisition                                   |  |
|--------------|------------------------------|---|----------------------------------|-----------|-----------|-------------------------|---|--|
|              |                              |   | M                                | F         | U         |                         |   |  |
| MAMMALS      | 1                            | Brow Antlered Deer                                  | <i>Rucervus eldii</i>            | 3         | 5         | 0                       | Alipore Zoo, Kolkata.                                 | 06.04.2024   |
|              | 2                            | Chital/Spotted Deer                                 | <i>Axis axis</i>                 | 5         | 3         | 24                      | Adina Deer Park.                                      | 23.03.2025   |
|              | 3                            | Chital/Spotted Deer                                 | <i>Axis axis</i>                 | 0         | 0         | 42                      | Alipore Zoo, Kolkata.                                 | 08.04.2024   |
|              | 4                            | Red Shanked Douc                                    | <i>Pygathrix nemaeus</i>         | 0         | 1         | 0                       | Rescued from Jalpaiguri area.                         | 09.05.2022. Included in the inventory from July-Sept'24 quarter. |
|              | 5                            | Mona Monkey   | <i>Cercopithecus mona</i>        | 1         | 1         | 0                       | Rescued from Jalpaiguri area.                         | 09.05.2022. Included in the inventory from July-Sept'24 quarter. |
|              | 6                            | Javan Lutung  | <i>Trachypithecus auratus</i>    | 0         | 1         | 0                       | Rescued from Jalpaiguri area.                         | 09.05.2022. Included in the inventory from July-Sept'24 quarter. |
| BIRDS        | 7                            | Himalayan Vulture                                   | <i>Gyps himalayensis</i>         | 0         | 0         | 4                       | West Rajabhatkhawa, Buxa Tiger Reserve.               | 21.06.2024   |
|              | 8                            | Umbrella Cockatoo, White Cockatoo                   | <i>Cacatua alba</i>              | 0         | 0         | 1                       | Existing stock at NBWAP.                              | Added in the inventory in July-Sept 2024 Quarter                 |
|              | 9                            | Common Myna   | <i>Acridotheres tristis</i>      | 0         | 0         | 1                       | Existing stock at NBWAP                               | Added in the inventory in July-Sept 2024 Quarter                 |
|              | 10                           | Rose Ring Parakeet                                  | <i>Psittacula krameri</i>        | 0         | 0         | 1                       | Rescued from Kalimpong Range.                         | 13.12.2024   |
|              | 11                           | Galah Cockatoo                                      | <i>Eolophus roseicaeilla</i>     | 0         | 0         | 1                       | Existing stock at NBWAP.                              | Added in the inventory in July-Sept 2024 Quarter                 |
|              | 12                           | Grey Parrot, Jacquot                                | <i>Psittacus erithacus</i>       | 0         | 0         | 1                       | Rescued from Salugara Range, Baikunthapur.            | 01.12.2024   |
| REPTILES     | 13                           | Burmese Python                                      | <i>Python bivittatus</i>         | 0         | 0         | 1                       | Alipore Zoo, Kolkata.                                 | 02.03.2024   |
|              | 14                           | Indian Star Tortoise                                | <i>Geochelone elegans</i>        | 1         | 0         | 0                       | Existing stock at NBWAP                               | Included in the inventory from Jan-March '25 quarter.            |
|              | 15                           | Elongated tortoise                                  | <i>Indotestudo elongata</i>      | 4         | 1         | 0                       | Existing stock at NBWAP                               | Included in the inventory from Jan-March '25 quarter.            |
|              | 16                           | Red-eared slider/ Red-eared terrapin                | <i>Trachemys scripta elegans</i> | 4         | 7         | 0                       | Existing stock at NBWAP                               | Included in the inventory from Jan-March '25 quarter.            |
|              | 17                           | Indian Soft Shelled Turtle, Ganges Softshell Turtle | <i>Nilssonia gangetica</i>       | 0         | 2         | 0                       | Existing stock at NBWAP                               | Included in the inventory from Jan-March '25 quarter.            |
|              | 18                           | Yellow Anaconda                                     | <i>Eunectes notaeus</i>          | 1         | 2         | 0                       | Alipore Zoo, Kolkata.                                 | 28.04.2024   |
|              | 19                           | Common Sand Boa                                     | <i>Eryx conicus</i>              | 0         | 0         | 1                       | Jalpaiguri Division                                   | 07.10.2024   |
|              |                              |   |                                  | 0         | 0         | 1                       | Cooch Behar District                                  | 15.03.2024   |
| 0            |                              |   |                                  | 0         | 2         | Darjeeling Zoo          | 18.04.2024  |  |
| 20           | Three- striped roofed turtle | <i>Batagur dhongoka</i>                             | 1                                | 0         | 0         | Existing stock at NBWAP | Included in the inventory from Jan-March '25 quarter. |  |
| <b>TOTAL</b> |                              |   | <b>20</b>                        | <b>23</b> | <b>80</b> |                         |   |  |

| S.NO         | Species          | Scientific name               | Sex      |          |          | Dispose to                  | Date of Disposal  |
|--------------|------------------|-------------------------------|----------|----------|----------|-----------------------------|---|
|              |                  |                               | M        | F        | U        |                             |   |
| 1            | Common Hill Myna | <i>Gracula religiosa</i>      | 0        | 0        | 4        | Sepahijala Zoological Park. | Typological error was corrected on July-Sept 2024 Quarter. Date of disposal 01.02.2024. |
| 2            | Bengal Tiger     | <i>Panthera tigris tigris</i> | 0        | 1        | 0        | Darjeeling Zoo.             | 27.09.2024  |
| <b>TOTAL</b> |                  |                               | <b>0</b> | <b>1</b> | <b>4</b> |                             |   |

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## 25. Rescue and Rehabilitation of the wild animals carried out by the zoo

| Sl. No. | Date of Rescue | Species with number of animals rescued with their sex (M:F:U:T) |   |   |    |    | Received from                                       | Date of Submission of Report to the CWLW/CZA | Date and place of rehabilitation in their habitat | Action taken<br>Reasons for housing in the zoo, if not released in their habitat         |
|---------|----------------|---|---|---|----|----|---|--|---|--|
|         |                | Species   | M | F | U  | T  |   |  |   |  |
| 1       | 06.04.2024     | Common leopard(F)   | 0 | 0 | 1  | 1  | Padmaja Naidu Himalayan Zoological Park, Darjeeling |  |   | In vet Hospital  |
| 2       | 26.04.2024     | King cobra  | 0 | 0 | 1  | 1  | Bamanpokhari Range, Kurseong Division               |  |   | Translocation to Zoological Garden Alipore, Kolkata, On 29.04.2024<br>Died on 11.05.2024 |
| 3       | 27.04.2024     | Barking Deer(fawn)  | 0 | 0 | 1  | 1  | Squad -1, sukna, Darjeeling Wildlife division       |  |   | Released reptile house on 03.04.2024   |
| 4       | 28.04.2024     | Python  | 0 | 0 | 1  | 1  | Bagdogra Elephant Squad Range                       |  |   | Released in reptile pond 21.05.2024  |
| 5       | 17.05.2024     | Tricarinatate Hill turtle                                       | 0 | 0 | 10 | 10 | Dabgram range, Baikunthapur Division                |  |   | Released in av-8 on 12.07.2024   |
| 6       | 21.06.2024     | Himalayan Griffon vulture                                       | 0 | 0 | 4  | 4  | West Rajabhatkawa Range, Buxa Tiger Reserve.        |  |   | Died on 28.09.2024   |
| 7       | 28.09.2024     | Wild cat(kitten)  | 0 | 0 | 1  | 1  | Ghoshpukur range, Kurseong division                 |  |   | Released reptile house on 12.10.2024   |
| 8       | 7.10.2024      | Sand Boa  | 0 | 0 | 1  | 1  | Birpara squad range, Jalpaiguri Division            |  |   | Released in av-3 on 21.12.2024   |
| 9       | 01.12.2024     | African gray parrot   | 0 | 0 | 1  | 1  | Sarugara range, Baikunthapur Division.              |  |   | Released in reptile pond 26.12.2024  |
| 10      | 05.12.2024     | Red eared slider turtle   | 0 | 0 | 1  | 1  | Eco-tourism & research range, Jaldapara WL Division |  |   | Released in av-5 on 21.12.24   |
| 11      | 13.12.2024     | Rose-Ringed Parakeet  | 0 | 0 | 1  | 1  | Kalimpong range, Kalimpong Division                 |  |   | Died on 25.01.2025   |
| 12      | 20.12.2024     | Barn owl  | 0 | 0 | 1  | 1  | Noam Range, Kalimpong division                      |  |   | Died on 25.01.2025   |
| 13      | 16.01.2025     | Common Leopard  | 0 | 0 | 1  | 1  | Ghoshpukur Range, Kurseong Division                 |  |   | Hand over to Belacoba squad range  |
| 14      | 28.01.2025     | Himalayan griffon vulture                                       | 0 | 0 | 1  | 1  | Belacoba Squad Range, Baikunthapur Division         |  |   | Died on 17.01.2025   |
| 15      | 05.03.2025     | Nightjar Birds  | 0 | 0 | 1  | 1  | Sarugara range, Baikunthapur Division               |  |   |  |

## 26. Annual Inventory of animals

### ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE YEAR 2024-2025 ENDANGERED SPECIES (Schedule I and II)

| Sl No              | Animal Name         | Scientific Name            | Opening Stock as on 1st April 2024 |          |           |          | Birth     |          |          | Acquisition |          |          | Disposal |          |          | Death    |          |          | Closing Stock as on 31st March 2025 |          |          |           |   |
|--------------------|---------------------|----------------------------|------------------------------------|----------|-----------|----------|-----------|----------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------------------------|----------|----------|-----------|---|
|                    |                     |                            | M                                  | F        | U         | T        | M         | F        | U        | M           | F        | U        | M        | F        | U        | M        | F        | U        | M                                   | F        | U        | T         |   |
| <b>BIRDS</b>       |                     |                            |                                    |          |           |          |           |          |          |             |          |          |          |          |          |          |          |          |                                     |          |          |           |   |
| 1/                 | Great Hornbill      | <i>Buceros bicornis</i>    | 1                                  | 1        | 0         | 2        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0                                   | 0        | 1        | 1         |   |
| 2/                 | Common Hill Myna    | <i>Gracula religiosa</i>   | 5                                  | 5        | 0         | 10       | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 4        | 0        | 0        | 0        | 0                                   | 0        | 6        | 6         |   |
| 3/                 | Indian Peafowl      | <i>Pavo cristatus</i>      | 0                                  | 3        | 0         | 3        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0                                   | 0        | 3        | 0         | 3 |
| 4/                 | Peafowl(Leucistic)  | <i>Pavo cristatus</i>      | 1                                  | 0        | 0         | 1        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0                                   | 1        | 0        | 0         | 1 |
| 5/                 | Temminck's tragopan | <i>Tragopan temminckii</i> | 0                                  | 1        | 0         | 1        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0                                   | 0        | 0        | 0         |   |
| <b>TOTAL BIRDS</b> |                     |                            | <b>5</b>                           | <b>7</b> | <b>10</b> | <b>0</b> | <b>17</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>4</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b>                            | <b>3</b> | <b>7</b> | <b>11</b> |   |

  
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### ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE YEAR 2024-2025 ENDANGERED SPECIES (Schedule I and II)

| Sl No          | Animal Name                 | Scientific Name               | Opening Stock as on 1st April 2024 |   |   |   | Birth |   |   | Acquisition |   |   | Disposal |   |   | Death |   |   | Closing Stock as on 31st March 2025 |   |   |   |   |
|----------------|-----------------------------|-------------------------------|------------------------------------|---|---|---|-------|---|---|-------------|---|---|----------|---|---|-------|---|---|-------------------------------------|---|---|---|---|
|                |                             |                               | M                                  | F | U | T | M     | F | U | M           | F | U | M        | F | U | M     | F | U | M                                   | F | U | T |   |
| <b>MAMMALS</b> |                             |                               |                                    |   |   |   |       |   |   |             |   |   |          |   |   |       |   |   |                                     |   |   |   |   |
| 1/             | Blackbuck (Leucistic/White) | <i>Antelope cervicapra</i>    | 2                                  | 2 | 0 | 4 | 1     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 2 | 1 | 0                                   | 1 | 1 | 0 | 2 |
| 2/             | Blackbuck                   | <i>Antelope cervicapra</i>    | 2                                  | 4 | 0 | 6 | 0     | 0 | 1 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 2 | 0 | 2                                   | 3 | 0 | 5 |   |
| 3/             | Jungle Cat                  | <i>Felis chaus</i>            | 3                                  | 0 | 0 | 3 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 0                                   | 3 | 0 | 0 | 3 |
| 4/             | Hoolock Gibbon              | <i>Hoolock hoolock</i>        | 1                                  | 1 | 0 | 2 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 0                                   | 1 | 1 | 0 | 2 |
| 5/             | Indian Hog Deer             | <i>Axis porcinus</i>          | 2                                  | 5 | 2 | 9 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 2                                   | 5 | 2 | 9 |   |
| 6/             | Himalayan Porcupine         | <i>Hystrix brachyura</i>      | 1                                  | 1 | 0 | 2 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 1                                   | 1 | 0 | 2 |   |
| 7/             | Asiatic Lion                | <i>Panthera leo</i>           | 1                                  | 1 | 0 | 2 | 3     | 0 | 3 | 0           | 0 | 0 | 0        | 0 | 2 | 0     | 0 | 2 | 1                                   | 3 | 6 |   |   |
| 8/             | Common Leopard              | <i>Panthera pardus</i>        | 3                                  | 1 | 0 | 4 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 3                                   | 1 | 0 | 4 |   |
| 9/             | Tiger (Leucistic/White)     | <i>Panthera tigris tigris</i> | 0                                  | 1 | 0 | 1 | 1     | 3 | 0 | 0           | 0 | 0 | 0        | 0 | 1 | 1     | 0 | 0 | 1                                   | 0 | 1 |   |   |

  
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**ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE YEAR 2024-2025  
ENDANGERED SPECIES (Schedule I and II)**

| Sl No                | Animal Name                          | Scientific Name                   | Opening Stock as on 1st April 2024 |           |           |          | Birth     |          |          | Acquisition |          |          | Disposal |          |          | Death    |           |           | Closing Stock as on 31st March 2025 |           |           |           |           |
|----------------------|--------------------------------------|-----------------------------------|------------------------------------|-----------|-----------|----------|-----------|----------|----------|-------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-------------------------------------|-----------|-----------|-----------|-----------|
|                      |                                      |                                   | M                                  | F         | U         | T        | M         | F        | U        | M           | F        | U        | M        | F        | U        | M        | F         | U         | M                                   | F         | U         | T         |           |
| 10                   | Bengal Tiger                         | <i>Panthera tigris tigris</i>     | 6                                  | 7         | 0         | 13       | 3         | 0        | 2        | 0           | 0        | 0        | 0        | 0        | 1        | 0        | 3         | 4         | 0                                   | 6         | 4         | 2         | 12        |
| 11                   | Asian Palm Civet                     | <i>Paradoxurus hermaphroditus</i> | 1                                  | 1         | 0         | 2        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 1         | 0         | 0                                   | 0         | 1         | 0         | 1         |
| 12                   | Leopard Cat                          | <i>Prionailurus bengalensis</i>   | 2                                  | 3         | 0         | 5        | 0         | 0        | 1        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 2         | 0         | 4                                   | 0         | 0         | 4         |           |
| 13                   | Fishing Cat                          | <i>Prionailurus viverrinus</i>    | 1                                  | 1         | 0         | 2        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0                                   | 1         | 1         | 0         | 2         |
| 14                   | Indian Rhinoceros                    | <i>Rhinoceros unicornis</i>       | 1                                  | 0         | 0         | 1        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0                                   | 1         | 0         | 0         | 1         |
| 15                   | Barasingha(Swamp Deer)               | <i>Rucervus davacelli</i>         | 3                                  | 3         | 0         | 6        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 3                                   | 3         | 0         | 6         |           |
| 16                   | Asiatic Black Bear                   | <i>Ursus thibetanus</i>           | 2                                  | 3         | 0         | 5        | 0         | 0        | 1        | 0           | 0        | 0        | 0        | 0        | 0        | 1        | 1         | 1         | 1                                   | 2         | 0         | 3         |           |
| 17                   | Spectacle Langur (Dusky leaf monkey) | <i>Trachypitecus obscurus</i>     | 1                                  | 1         | 0         | 2        | 0         | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 1                                   | 1         | 0         | 2         |           |
| 18                   | Brow Antlered Deer                   | <i>Rucervus eldii</i>             | 0                                  | 0         | 0         | 0        | 0         | 0        | 0        | 3           | 5        | 0        | 0        | 0        | 0        | 1        | 0         | 0         | 3                                   | 4         | 4         | 11        |           |
| <b>TOTAL MAMMALS</b> |                                      |                                   | <b>18</b>                          | <b>32</b> | <b>35</b> | <b>2</b> | <b>69</b> | <b>8</b> | <b>3</b> | <b>12</b>   | <b>3</b> | <b>5</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>11</b> | <b>11</b> | <b>1</b>                            | <b>35</b> | <b>30</b> | <b>11</b> | <b>76</b> |

*U. P. S.*  
ZOO BIOLOGIST  
NBWAP

*K. S.*  
VETERINARY OFFICER  
NBWAP

*R.*  
ASSISTANT DIRECTOR  
NBWAP

*S.*  
DIRECTOR  
NBWAP

**ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE YEAR 2024-2025  
ENDANGERED SPECIES (Schedule I and II)**

| Sl No                           | Animal Name   | Scientific Name                 | Opening Stock as on 1st April 2024 |           |           |          | Birth      |          |          | Acquisition |          |          | Disposal |          |          | Death    |           |           | Closing Stock as on 31st March 2025 |           |           |           |            |
|---------------------------------|---|---------------------------------|------------------------------------|-----------|-----------|----------|------------|----------|----------|-------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-------------------------------------|-----------|-----------|-----------|------------|
|                                 |   |                                 | M                                  | F         | U         | T        | M          | F        | U        | M           | F        | U        | M        | F        | U        | M        | F         | U         | M                                   | F         | U         | T         |            |
| 1                               | Marsh Crocodile                                     | <i>Crocodylus palustris</i>     | 2                                  | 2         | 0         | 4        | 0          | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 2                                   | 2         | 0         | 4         |            |
| 2                               | Gharial   | <i>Gavialis gangeticus</i>      | 1                                  | 2         | 0         | 3        | 0          | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 1                                   | 2         | 0         | 3         |            |
| 3                               | Indian Soft Shelled Turtle, Ganges Softshell Turtle | <i>Nilssonia gangetica</i>      | 0                                  | 1         | 4         | 5        | 0          | 0        | 0        | 2           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 3                                   | 4         | 0         | 7         |            |
| 4                               | Water Monitor Lizard                                | <i>Varanus salvator</i>         | 2                                  | 2         | 0         | 4        | 0          | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 2        | 0        | 0         | 0         | 2                                   | 0         | 0         | 2         |            |
| 5                               | Reticulated python                                  | <i>Malayopython reticulatus</i> | 1                                  | 1         | 0         | 2        | 0          | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 1                                   | 1         | 0         | 2         |            |
| 6                               | Burmese Python                                      | <i>Python bivittatus</i>        | 1                                  | 1         | 0         | 2        | 0          | 0        | 0        | 0           | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 1                                   | 1         | 1         | 3         |            |
| 7                               | Indian Rock python                                  | <i>Python molurus</i>           | 1                                  | 1         | 0         | 2        | 0          | 0        | 0        | 0           | 0        | 0        | 0        | 0        | 0        | 1        | 0         | 1         | 0                                   | 0         | 0         | 1         |            |
| <b>TOTAL REPTILES</b>           |   |                                 | <b>7</b>                           | <b>8</b>  | <b>10</b> | <b>4</b> | <b>22</b>  | <b>0</b> | <b>0</b> | <b>0</b>    | <b>2</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>0</b>  | <b>9</b>  | <b>12</b>                           | <b>1</b>  | <b>22</b> |           |            |
| <b>TOTAL ENDANGERED ANIMALS</b> |   |                                 | <b>30</b>                          | <b>47</b> | <b>55</b> | <b>6</b> | <b>108</b> | <b>8</b> | <b>3</b> | <b>12</b>   | <b>3</b> | <b>7</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>4</b> | <b>13</b> | <b>13</b> | <b>1</b>                            | <b>45</b> | <b>45</b> | <b>19</b> | <b>109</b> |

*U. P. S.*  
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*K. S.*  
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*R.*  
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*S.*  
DIRECTOR  
NBWAP

**ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE YEAR 2024-2025  
OTHER THAN ENDANGERED SPECIES (Schedule I and II)**

| SI No                      | Animal Name  | Scientific Name                  | Opening Stock as on 1st April 2024 |   |   |   | Birth |   |   | Acquisition |   |   | Disposal |   |   | Death |   |   | Closing Stock as on 31st March 2025 |   |   |   |
|----------------------------|--|----------------------------------|------------------------------------|---|---|---|-------|---|---|-------------|---|---|----------|---|---|-------|---|---|-------------------------------------|---|---|---|
|                            |  |                                  | M                                  | F | U | T | M     | F | U | M           | F | U | M        | F | U | M     | F | U | M                                   | F | U | T |
| <b>BIRDS AND PHEASANTS</b> |  |                                  |                                    |   |   |   |       |   |   |             |   |   |          |   |   |       |   |   |                                     |   |   |   |
| 1                          | Swan Goose   | <i>Anser cygnoides</i>           | 2                                  | 4 | 0 | 6 | 0     | 0 | 2 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 2 | 2                                   | 4 | 0 | 6 |
| 2                          | Blue-and-gold Macaw  | <i>Ara ararauna</i>              | 1                                  | 1 | 0 | 2 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 1                                   | 1 | 0 | 2 |
| 3                          | Scarlet Macaw  | <i>Ara macao</i>                 | 0                                  | 2 | 0 | 2 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 0                                   | 2 | 0 | 2 |
| 4                          | Indian Pond Heron  | <i>Ardeola grayii</i>            | 0                                  | 1 | 0 | 1 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 0                                   | 1 | 0 | 1 |
| 5                          | Argus Pheasant, Great Argus  | <i>Argusianus argus</i>          | 1                                  | 1 | 0 | 2 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 1 | 0 | 1                                   | 0 | 0 | 1 |
| 6                          | Umbrella Cockatoo, White Cockatoo  | <i>Cacatua alba</i>              | 1                                  | 0 | 0 | 1 | 0     | 0 | 0 | 0           | 0 | 1 | 0        | 0 | 0 | 0     | 0 | 0 | 1                                   | 0 | 1 | 2 |
| 7                          | Greater Sulphur-crested Cockatoo, Sulphur-crested Cockatoo (ssp. Eleonora) | <i>Cacatua galerita eleonora</i> | 1                                  | 1 | 0 | 2 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 1                                   | 1 | 0 | 2 |
| 8                          | Moluccan Cockatoo / Salmon crested Cockatoo                                | <i>Cacatua moluccensis</i>       | 1                                  | 0 | 0 | 1 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 1                                   | 0 | 0 | 1 |
| 9                          | Lady Amherst's Pheasant  | <i>Chrysolophus amherstiae</i>   | 3                                  | 0 | 0 | 3 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 1     | 0 | 0 | 2                                   | 0 | 0 | 2 |
| 10                         | Golden Pheasant  | <i>Chrysolophus pictus</i>       | 0                                  | 1 | 0 | 1 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 0                                   | 1 | 0 | 1 |
| 11                         | Glabose Curassow, Great Curassow, Mexican Curassow                         | <i>Crax rubra</i>                | 1                                  | 0 | 0 | 1 | 0     | 0 | 0 | 0           | 0 | 0 | 0        | 0 | 0 | 0     | 0 | 0 | 1                                   | 0 | 0 | 1 |

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DIRECTOR  
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**ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE YEAR 2024-2025  
OTHER THAN ENDANGERED SPECIES (Schedule I and II)**

| SI No                      | Animal Name                                   | Scientific Name               | Opening Stock as on 1st April 2024 |           |           |           | Birth    |          |           | Acquisition |          |          | Disposal |          |          | Death    |          |          | Closing Stock as on 31st March 2025 |           |           |           |
|----------------------------|---|-------------------------------|------------------------------------|-----------|-----------|-----------|----------|----------|-----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------------------------|-----------|-----------|-----------|
|                            |   |                               | M                                  | F         | U         | T         | M        | F        | U         | M           | F        | U        | M        | F        | U        | M        | F        | U        | M                                   | F         | U         | T         |
| <b>BIRDS AND PHEASANTS</b> |   |                               |                                    |           |           |           |          |          |           |             |          |          |          |          |          |          |          |          |                                     |           |           |           |
| 12                         | Red Jungle Fowl                               | <i>Gallus gallus</i>          | 3                                  | 3         | 0         | 6         | 0        | 0        | 3         | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 2        | 0        | 3                                   | 2         | 2         | 7         |
| 13                         | Himalayan Vulture                             | <i>Gyps himalayensis</i>      | 1                                  | 1         | 0         | 2         | 0        | 0        | 0         | 0           | 0        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 1                                   | 1         | 4         | 6         |
| 14                         | Marabou Stork                                 | <i>Leptoptilos crumenifer</i> | 1                                  | 0         | 0         | 1         | 0        | 0        | 0         | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1                                   | 0         | 0         | 1         |
| 15                         | Lesser Adjutant Stork                         | <i>Leptoptilos javanicus</i>  | 1                                  | 1         | 0         | 2         | 0        | 0        | 0         | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1                                   | 1         | 0         | 2         |
| 16                         | Silver Pheasant                               | <i>Lophura mythemera</i>      | 4                                  | 3         | 0         | 7         | 0        | 0        | 0         | 0           | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 3                                   | 3         | 0         | 6         |
| 17                         | Helmeted Curassow, Northern Helmeted Curassow | <i>Pauxi pauxi</i>            | 1                                  | 0         | 0         | 1         | 0        | 0        | 0         | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1                                   | 0         | 0         | 1         |
| 18                         | Red Breasted Parakeet                         | <i>Psittacula alexandri</i>   | 1                                  | 2         | 0         | 3         | 0        | 0        | 0         | 0           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1                                   | 2         | 0         | 3         |
| 19                         | Rose Ring Parakeet                            | <i>Psittacula krameri</i>     | 17                                 | 23        | 0         | 40        | 0        | 0        | 0         | 0           | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 17                                  | 23        | 1         | 41        |
| 20                         | Grey Parrot, Jacquot                          | <i>Psittacus erithacus</i>    | 3                                  | 3         | 0         | 6         | 0        | 0        | 5         | 0           | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 5        | 3                                   | 3         | 1         | 7         |
| 21                         | Galah Cockatoo                                | <i>Eolophus roseicaeilla</i>  | 0                                  | 0         | 0         | 0         | 0        | 0        | 0         | 0           | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0                                   | 0         | 1         | 1         |
| 22                         | Common Myna                                   | <i>Acridotheres tristis</i>   | 0                                  | 0         | 0         | 0         | 0        | 0        | 0         | 0           | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0                                   | 0         | 1         | 1         |
| <b>TOTAL</b>               |   |                               | <b>22</b>                          | <b>43</b> | <b>47</b> | <b>90</b> | <b>0</b> | <b>0</b> | <b>10</b> | <b>0</b>    | <b>0</b> | <b>9</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>2</b> | <b>3</b> | <b>7</b> | <b>41</b>                           | <b>45</b> | <b>11</b> | <b>97</b> |

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DIRECTOR  
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**ANNUAL INVENTORY REPORT OF NORTH BENGAL WILD ANIMALS PARK, SILIGURI FOR THE  
YEAR 2024-2025**

| Animal Name                         | Opening Stock as on 1st April 2024 |     |    |     | Birth |   |    | Acquisition |    |    | Disposal |   |   | Death |    |    | Closing Stock as on 31st March 2025 |     |     |     |
|-------------------------------------|------------------------------------|-----|----|-----|-------|---|----|-------------|----|----|----------|---|---|-------|----|----|-------------------------------------|-----|-----|-----|
| TOTAL OTHER THAN <i>Endangered.</i> | 243                                | 406 | 68 | 717 | 0     | 0 | 12 | 17          | 16 | 79 | 0        | 0 | 0 | 9     | 8  | 9  | 270                                 | 426 | 119 | 815 |
| TOTAL                               | 47                                 | 55  | 6  | 108 | 8     | 3 | 12 | 3           | 7  | 1  | 0        | 1 | 4 | 13    | 13 | 1  | 45                                  | 45  | 19  | 109 |
| GRAND TOTAL                         | 290                                | 461 | 74 | 825 | 8     | 3 | 24 | 20          | 23 | 80 | 0        | 1 | 4 | 22    | 21 | 10 | 315                                 | 471 | 138 | 924 |

**SUMMARY**

|                             |                        |
|-----------------------------|------------------------|
| Total number of Mammalian   | 27                     |
| Total number of Bird        | 27                     |
| Total number of Reptile     | 14                     |
| Total number of Endangered  | 30                     |
| Total number of Endangered  | 18                     |
| Total number of Endangered  | 5                      |
| Total number of Endangered  | 7                      |
| Total number of Acquisition | 123 individual animals |
| Total number of Birth       | 35                     |
| Total number of Disposal    | 5                      |
| Total number of Death       | 53                     |

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*R*  
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*g*  
DIRECTOR  
NBWAP



# 27. Mortality of animals

MORTALITY LIST OF NORTH BENGAL WILD ANIMALS PARK FOR THE ANNUAL 2024-2025

| Sl. No.                      | Name of the Species  | SEX      |          |              | Date of Death |
|------------------------------|--|----------|----------|--------------|---------------|
|                              |  | Male     | Female   | Unidentified |               |
| <b>Pheasants &amp; Birds</b> |  |          |          |              |               |
| 1.                           | Swan Goose ( <i>Ansercygnoides</i> )                                   |          |          | 1            | 01.06.2024    |
| 2.                           | Swan Goose ( <i>Ansercygnoides</i> )                                   |          |          | 1            | 01.06.2024    |
| 3.                           | Grey parrot ( <i>Psittacus erithacus</i> )                             |          |          | 1            | 30.07.2024    |
| 4.                           | Grey parrot ( <i>Psittacus erithacus</i> )                             |          |          | 1            | 30.07.2024    |
| 5.                           | Red Jungle Fowl ( <i>Gallus gallus</i> )                               |          | 1        |              | 27.07.2024    |
| 6.                           | Argus Pheasant ( <i>Argusianus argus</i> )                             |          | 1        |              | 17.08.2024    |
| 7.                           | Temminck's Tragopan ( <i>Tragopan temminckii</i> )                     |          | 1        |              | 26.08.2024    |
| 8.                           | Red Jungle Fowl ( <i>Gallus gallus</i> )                               |          | 1        |              | 29.10.2024    |
| 9.                           | Grey parrot ( <i>Psittacus erithacus</i> )                             |          |          | 1            | 01.11.2024    |
| 10.                          | Silver Pheasant ( <i>Lophuranythamera</i> )                            | 1        |          |              | 24.11.2024    |
| 11.                          | Lady Amherst's Pheasant ( <i>Chrysolophus pictus</i> )                 | 1        |          |              | 03.01.2025    |
| 12.                          | Grey parrot ( <i>Psittacus erithacus</i> )                             |          |          | 1            | 06.02.2025    |
| 13.                          | Grey parrot ( <i>Psittacus erithacus</i> )                             |          |          | 1            | 07.02.2025    |
| <b>TOTAL</b>                 |  | <b>2</b> | <b>4</b> | <b>7</b>     |               |
| <b>MAMMALS</b>               |  |          |          |              |               |
| 14.                          | Eld's Deer (Brow antlered deer) ( <i>Rucervuseidia</i> )               | 1        |          |              | 22.04.2024    |
| 15.                          | Black Buck ( <i>Antelope cervicapra</i> )                              |          | 1        |              | 03.05.2024    |
| 16.                          | Leopard Cat ( <i>Prionailurus bengalensis</i> )                        |          | 1        |              | 11.05.2024    |
| 17.                          | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> ) (leucistic/White) |          | 1        |              | 01.06.2024    |
| 18.                          | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> ) (leucistic/White) | 1        |          |              | 02.06.2024    |
| 19.                          | Black buck ( <i>Antelope cervicapra</i> ) (leucistic/white)            |          | 1        |              | 10.06.2024    |
| 20.                          | Asiatic lion ( <i>Panthera leo perscia</i> )                           | 1        |          |              | 27.06.2024    |
| 21.                          | Black buck ( <i>Antelope cervicapra</i> ) (leucistic/white)            | 1        |          |              | 04.07.2024    |
| 22.                          | Leopard cat ( <i>Prionailurus bengalensis</i> )                        |          | 1        |              | 08.07.2024    |
| 23.                          | Asiatic lion ( <i>Panthera leo perscia</i> )                           | 1        |          |              | 10.07.2024    |
| 24.                          | Asiatic Black bear ( <i>Ursus thibetanus</i> )                         | 1        |          |              | 02.08.2024    |
| 25.                          | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )                   |          | 1        |              | 07.08.2024    |
| 26.                          | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )                   |          | 1        |              | 03.09.2024    |
| 27.                          | Asiatic Black bear ( <i>Ursus thibetanus</i> )                         |          | 1        |              | 03.09.2024    |
| 28.                          | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )                   |          | 1        |              | 04.09.2024    |
| 29.                          | Black buck ( <i>Antelope cervicapra</i> ) (leucistic/white)            | 1        |          |              | 08.09.2024    |

|                    |  |           |           |           |            |
|--------------------|--|-----------|-----------|-----------|------------|
| 30.                | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )   |           | 1         |           | 11.09.2024 |
| 31.                | Black buck ( <i>Antelope cervicapra</i> )              |           | 1         |           | 15.09.2024 |
| 32.                | Sambar deer ( <i>Rusa unicolor</i> )                   | 1         |           |           | 13.10.2024 |
| 33.                | Indian Crested Porcupine ( <i>Hystrix indica</i> )     |           |           | 1         | 19.11.2024 |
| 34.                | Asian Palm Civet ( <i>Paradoxurus hermaphroditus</i> ) | 1         |           |           | 01.12.2024 |
| 35.                | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )   | 1         |           |           | 04.12.2024 |
| 36.                | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )   | 1         |           |           | 05.12.2024 |
| 37.                | Royal Bengal Tiger ( <i>Panthera tigris tigris</i> )   | 1         |           |           | 05.12.2024 |
| 38.                | Chital/Spotted deer ( <i>Axis axis</i> )               | 1         |           |           | 08.03.2025 |
| 39.                | Chital/Spotted deer ( <i>Axis axis</i> )               | 1         |           |           | 24.03.2025 |
| 40.                | Chital/Spotted deer ( <i>Axis axis</i> )               | 1         |           |           | 24.03.2025 |
| 41.                | Chital/Spotted deer ( <i>Axis axis</i> )               | 1         |           |           | 24.03.2025 |
| 42.                | Chital/Spotted deer ( <i>Axis axis</i> )               |           | 1         |           | 24.03.2025 |
| 43.                | Chital/Spotted deer ( <i>Axis axis</i> )               |           | 1         |           | 24.03.2025 |
| 44.                | Chital/Spotted deer ( <i>Axis axis</i> )               |           | 1         |           | 24.03.2025 |
| 45.                | Chital/Spotted deer ( <i>Axis axis</i> )               | 1         |           |           | 26.03.2024 |
| 46.                | Asiatic Black bear ( <i>Ursus thibetanus</i> )         |           |           | 1         | 28.03.2024 |
| <b>TOTAL</b>       |  | <b>17</b> | <b>14</b> | <b>2</b>  |            |
| <b>REPTILES</b>    |  |           |           |           |            |
| 47.                | Indian Rock Python ( <i>Python molurus</i> )           |           | 1         |           | 25.04.2024 |
| 48.                | Yellow Anaconda ( <i>Eunectes notaeus</i> )            |           | 1         |           | 12.5.2024  |
| 49.                | Yellow Anaconda ( <i>Eunectes notaeus</i> )            |           | 1         |           | 16.06.2024 |
| 50.                | Yellow Anaconda ( <i>Eunectes notaeus</i> )            | 1         |           |           | 29.06.2024 |
| 51.                | Water Monitor Lizard ( <i>Varanus salvator</i> )       | 1         |           |           | 07.07.2024 |
| 52.                | Common Sand Boa ( <i>Eryx conicus</i> )                |           |           | 1         | 15.09.2024 |
| 53.                | Water Monitor Lizard ( <i>Varanus salvator</i> )       | 1         |           |           | 01.01.2025 |
| <b>TOTAL</b>       |  | <b>3</b>  | <b>3</b>  | <b>1</b>  |            |
| <b>Grand total</b> |  | <b>22</b> | <b>21</b> | <b>10</b> |            |

Seen  
Nant



## 28. Status of the compliance with condition stipulated by the Central Zoo Authority:

22-64/2004-CZA(461)(NE)

I/94111/2025

Computer No. 147518  
Government of India  
Ministry of Environment Forest & Climate Change  
CENTRAL ZOO AUTHORITY

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E-mail: cza@nic.in, Website: <http://www.cza.nic.in>  
16-01-2025

To,

The Director,  
North Bengal Wild Animals Park,  
5<sup>th</sup> Mile, Sevoke Road, Salugara,  
Siliguri – 734008, West Bengal  
(E-mail: dirnbwap@gmail.com).

**Sub. - Revised Master Plan of the North Bengal Wild Animals Park, Siliguri, West Bengal – reg.  
Ref. -**

1. This office letter Computer No. 147518 dated 14.12.2023.
2. Your letter No. 1654/04(RMP)/NBWAP/2023-24 dated 12.02.2024.

Sir/Madam,

With reference to above, it is to inform that the revised Master Plan of the North Bengal Wild Animals Park, Siliguri, West Bengal was placed before the 109<sup>th</sup> Meeting of the Expert Group on Zoo Designing, CZA held on 06.11.2023 and 109<sup>th</sup> Meeting of the Technical Committee, CZA held on 10.11.2023. Subsequently, the 40<sup>th</sup> Meeting of the Central Zoo Authority held on 28.11.2023 approved recommendation of 109<sup>th</sup> Meeting of Technical Committee held on 10<sup>th</sup> November, 2023.

The approval was communicated vide this office letter referred (1) above.

Since, point-wise satisfactory compliance was submitted to this office vide letter referred at (2) above, authenticated revised Master Plan of the North Bengal Wild Animals Park, Siliguri, West Bengal can be accessed and download at link ([https://drive.google.com/drive/folders/1W7qgSeQ6-0JZuKF1ZvWDjheFMq\\_r8yp?usp=drive\\_link](https://drive.google.com/drive/folders/1W7qgSeQ6-0JZuKF1ZvWDjheFMq_r8yp?usp=drive_link)) for records. However, the zoo has to re-submit the detailed information in the standardized template for conservation breeding plan for each species.

This is for kind information and necessary action at your end.

Yours sincerely,

Encl.: As above.

SANJAY KUMAR SHUKLA  
MEMBER SECRETARY

Copy for information and necessary action to:-

1. The Chief Wildlife Warden, Department of Forests, Aranya Bhawan, Bidhan Nagar, Block – LA, No. 10A, Sector – III, Kolkata – 700 106, West Bengal (E-mail: wb.wildlife@gmail.com).
2. The Member Secretary, West Bengal Zoo Authority, 2<sup>nd</sup> Floor, KB-19, Sector – III, Salt Lake City, Kolkata – 700 098, West Bengal (E-mail: mswbza@gmail.com, wbzooauthority@yahoo.in).

Signed by Sanjay Kumar  
Shukla  
Date: 16-01-2025 21:40:35

# List of free-living wild animals within the park

## List of Mammals

| Local /Common Name            | Zoological Name                          |
|-------------------------------|--|
| Assam Giant Squirrel          | <i>Ratufa bicolor</i>                    |
| Barking Deer                  | <i>Muntiacus muntjac</i>                 |
| Bengal (common) Monkey        | <i>Macacus rhesus</i>                    |
| Bengal Molerat                | <i>Bandicota bengalensis</i>             |
| Bhutan Duarsrat               | <i>Rattus rattus bhotia</i>              |
| Common flying Fox             | <i>Pteropus giganteus</i>                |
| Common Indian Hare            | <i>Lepus ruficaudatus</i>                |
| Common Mongoose               | <i>Herpestes edwardsii</i>               |
| Common yellow bat             | <i>Scotophilus kuhlii</i>                |
| Crab-eating Mongoose          | <i>Herpestes urva</i>                    |
| Crestless Himalayan Porcupine | <i>Hystrix hodgsoni</i>                  |
| Fulvous fruit Bat             | <i>Rosettes leschenaultii</i>            |
| Hairy-winged Bat              | <i>Marpiocephalus harpialasayunes</i>    |
| Hispid Hare                   | <i>Lepus hispidus</i>                    |
| Hog deer                      | <i>Axis porcinus</i>                     |
| Indian Civet                  | <i>Viverra zibetha zibetha</i>           |
| Indian Elephant               | <i>Elephas maximus</i>                   |
| Indian Fox                    | <i>Vulpes bengalensis</i>                |
| Indian Martin                 | <i>Martes flavigula</i>                  |
| Indian Pangolin               | <i>Manis crassicaudata</i>               |
| Jackal                        | <i>Canis aureus</i>                      |
| Jungle Cat                    | <i>Felis chaus</i>                       |
| Long-tailed tree Mouse        | <i>Vandeleuria oleracea</i>              |
| One-horned Indian Rhinoceros  | <i>Rhinoceros unicornis</i>              |
| Palm Squirrel                 | <i>Funambulus pennantii</i>              |
| Leopard                       | <i>Panthera pardus</i>                   |
| Short-tailed Mole             | <i>Talpa micrura</i>                     |
| Small Indian Mongoose         | <i>Herpestes auropunctatus</i>           |
| Spotted Deer                  | <i>Axis axis</i>                         |
| Wall Bat                      | <i>Myotis mystacinus muricola</i>        |
| Wild Boar                     | <i>Sus scrofa cristatus</i>              |
| Wroughton's Bat               | <i>Scotophilus temminckii wroughtoni</i> |

## List of Reptiles

| Local /Common Name            | Zoological Name                 |
|-------------------------------|---------------------------------|
| Python                        | <i>Python molurus</i>           |
| Common WolfSnake              | <i>Lycodon aulicus</i>          |
| Collared DwarfSnake           | <i>Sibynophus collaris</i>      |
| Indian RatSnake               | <i>Ptyas mucosus</i>            |
| TrinketSnake                  | <i>Elaphe helena</i>            |
| Indian Bronzebacked TreeSnake | <i>Ahaetulla tristis</i>        |
| Hooded Tree Snake             | <i>Pseudoxenodon macrops</i>    |
| Indian Eggeating Snake        | <i>Elachistodon westermanni</i> |
| Common Green WhipSnake        | <i>Dryophis nasutus</i>         |
| Banded Krait                  | <i>Bungarus fasciatus</i>       |
| Common Krait                  | <i>Bungarus caeruleus</i>       |
| Cobra                         | <i>Naja naja</i>                |
| King Cobra                    | <i>Naja Hannah</i>              |
| Russell's Viper               | <i>Viperarusselli</i>           |
| Common Green Pit Viper        | <i>Thimeresurus gramineus</i>   |
| Green Vine Snake              | <i>Ahaetulla nasuta</i>         |

## List of Birds

| Local /Common Name                        | Zoological Name                           |
|---|---|
| Green Magpie                              | <i>Cissa chinensis</i>                    |
| Indian Treepie                            | <i>Dendrocitta vagabunda</i>              |
| Jungle Babbler                            | <i>Turdoides striatus striatus</i>        |
| Jungle Crow                               | <i>Corvus macrorhynchos</i>               |
| House Crow                                | <i>Corvus splendens splendens</i>         |
| Yellow-eyed Babbler                       | <i>Chrysomma sinensis sinensis</i>        |
| Common Iora                               | <i>Aegithina tiphia</i>                   |
| Fairy Blue bird                           | <i>Irena puella</i>                       |
| Red-tailed Minla                          | <i>Minla ignotincta</i>                   |
| White-throated Bulbul                     | <i>Criniger ochraceus</i>                 |
| Himalayan Black Bulbul                    | <i>Microscelis psaroides</i>              |
| Bengal Redvented Bulbul                   | <i>Pycnonotus cafer bengalensis</i>       |
| Dark Grey Cuckoo Shrike                   | <i>Coracina melaschistos melaschistos</i> |
| Black Headed Cuckoo Shrike                | <i>Coracina melanoptera</i>               |
| Common Myna                               | <i>Achidotheres tristis tristis</i>       |
| Jungle Myna                               | <i>Achidotheres fuscus</i>                |
| Pied Myna                                 | <i>Sturnus contra contra</i>              |
| Yellow-bellied Fantail Flycatcher         | <i>Rhipidura hypoxantha</i>               |
| White-throated Fantail Flycatcher         | <i>Rhipidura albicollis</i>               |
| Magpie Robin                              | <i>Copsychus saularis</i>                 |
| House Sparrow                             | <i>Passer domesticus indicus</i>          |
| Tree Sparrow                              | <i>Passer montanus</i>                    |
| Plain Sand Martin                         | <i>Riparia paludicola</i>                 |
| Scarlet backed Flower-pecker              | <i>Dicaeum cruentatum</i>                 |
| Plain-coloured Flowerpecker               | <i>Dicaeum concolor</i>                   |
| Large Yellow napped Woodpecker            | <i>Picus flavinucha</i>                   |
| Himalayan Golden-backed throat/Woodpecker | <i>Dinopium shorei shorei</i>             |
| Great Himalayan Barbet                    | <i>Megalaima virens</i>                   |
| Blue-throated Barbet                      | <i>Megalaima asiatica</i>                 |
| Common Kingfisher                         | <i>Alcedo atthis bengalensis</i>          |
| White-Breasted Kingfisher                 | <i>Halcyon smyrnensis</i>                 |
| Great Hornbill                            | <i>Buceros bicornis homrai</i>            |
| Indo-Burmese Pied Hornbill                | <i>Anthracoeros coronatus</i>             |
| Rufous-necked Hornbill                    | <i>Aceros nipalensis</i>                  |
| Himalayan Cuckoo                          | <i>Cuculus saturatus</i>                  |
| Indian Cuckoo                             | <i>Cuculus micropterus</i>                |
| Brown Fish Owl                            | <i>Bubo zeylonensis</i>                   |
| Spotted Owlet                             | <i>Athene brama</i>                       |
| Jungle Owl                                | <i>Glaucidium radiatum</i>                |
| Himalayan Griffon Vulture                 | <i>Gyps himalayensis</i>                  |
| Indian White-backed Vulture               | <i>Gyps bengalensis</i>                   |
| Changeable Hawk Eagle                     | <i>Spizaetus (cirrhatus) limnaetus</i>    |
| Crested Serpent Eagle                     | <i>Spilornis cheela</i>                   |
| Large Grey Headed Fishing Eagle           | <i>Ichthyophaga ichthyaetus</i>           |
| Large Indian Kite                         | <i>Milvus lineatus</i>                    |
| Bengal Green Pigeon                       | <i>Treron phoenicoptera phoenicoptera</i> |
| Green Imperial Pigeon                     | <i>Ducula aenea</i>                       |
| Bronze Winged or Emerald Dove             | <i>Chalcophaps indica</i>                 |
| Indian Blue Rock Pigeon                   | <i>Columba livia intermedia</i>           |
| Indian Rufous Turtle Dove                 | <i>Streptopelia orientalis agricola</i>   |
| Spotted Dove                              | <i>Streptopelia chinensis</i>             |
| Indian Ring Dove                          | <i>Streptopelia decaocto</i>              |
| Indian Red turtle Dove                    | <i>Oenopopelia tranquebarica</i>          |
| Common Peafowl                            | <i>Pavo cristatus</i>                     |
| Blue Breasted Quail                       | <i>Coturnix chinensis</i>                 |
| Common or Grey Quail                      | <i>Coturnix coturnix</i>                  |
| Grey Partridge                            | <i>Francolinus pondicerianus</i>          |
| Small Indian Pratincole                   | <i>Clareola lactea</i>                    |
| Bronze Winged Jacana                      | <i>Metopidius indicus</i>                 |
| Pheasant-tailed Jacana                    | <i>Hydrophasianus chirurgus</i>           |
| Common Sandpiper                          | <i>Tringa hypoleucos</i>                  |
| Green Sandpiper                           | <i>Tringa ochropus</i>                    |
| The Woodcock                              | <i>Scolopax rusticola</i>                 |



# AVIAN DIVERSITY OF NORTH BENGAL WILD ANIMALS PARK (BENGAL SAFARI)



Golden-fronted leafbird  
(*Chloropsis aurifrons*)



Fulvous breasted woodpecker  
(*Dendrocopos macei*)



Broadbill  
(*Eurylaimidae*)



Common Kingfisher  
(*Alcedo atthis*)



Dollar Bird  
(*Eurystomus orientalis*)



Greater yellwnape  
(*Chrysoplegma flavinucha*)



Great Hornbill  
(*Buceros bicornis*)



Green tailed sunbird  
(*Aethopyga nipalensis*)



Common Emerald Dove  
(*Chalcophaps indica*)



Chestnut-headed Bee-eater  
(*Merops leschenaulti*)



Black Drongo  
(*Dicurus macrocercus*)



Cattle Egret  
(*Bubulcus ibis*)



Blue-fronted Redstart  
(*Phoenicurus frontalis*)



Barn Swallow  
(*Hirundo rustica*)



Black hooded Oriole  
(*Oriolus xanthornus*)



Spotted Owlet  
(*Athene brama*)



Sultan Tit  
(*Melanochlora sultanea*)



Tailor Bird  
(*Orthotomus sutorius*)



Tailor Bird  
(*Orthotomus sutorius*)



Barn Owl  
(*Tyto alba*)



Coppersmith Barbet  
(*Megalaima haemacephala*)



Common Green Magpie  
(*Cissa chinensis*)



Great Hornbill  
(*Buceros bicornis*)



Greater Coucal  
(*Centropus sinensis*)



Greater Racket tail Drongo  
(*Dicurus paradiseus*)

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