



# BENGALURU BANNERGHATTA BIOLOGICAL PARK

## ANNUAL REPORT 2020-21



Central Zoo Authority



## Contents

	Page
1. Report of the Officer-in-charge.....	2
2. History of the Zoo.....	3
3. Vision.....	4
4. Mission.....	4
5. Objective.....	4
6. About us.....	5
7. Organizational Chart.....	6
8. Human Resources.....	7
9. Capacity Building of the Zoo Personnel.....	8
10. Governing Council of Zoo Authority of Karnataka,Mysuru.....	9
11. Health Advisory Committee.....	9
12. Statement of Income and Expenditure of the Zoo.....	10
13. Daily Feed Schedule of animals.....	11
14. Vaccination Schedule of animals.....	12
15. De-worming Schedule of animals.....	12
16. Disinfection Schedule.....	12
17. Health Check-up of employees for zoonotic diseases.....	13
18. Development Works and facilities created.....	14
19. Education and Awareness programmes.....	16
20. Green Initiatives.....	23
21. Enrichment Activities.....	26
22. Research Work carried out and publications.....	34
23. Conservation Breeding Programme of the Zoo.....	34
24. Animal Inventory of animals.....	35
25. Mortality report.....	41
26. Animal exchange programme.....	45
27. Rescue & Rehabilitation of the wild animals carried out by the zoo.....	46
28. Compliance with conditions stipulated by the Central Zoo Authority.....	48
29. Safari.....	52
30. Elephant Care Center.....	53
31. Rescue Centre.....	54
32. Butterfly Park.....	55
33. Animal Health Care.....	56
34. Coping with Pandemic.....	58
35. List of free animals living wild animals within park premises....	60
36. Adopters.....	63



## 1 Report of the Officer-in-charge

The Bengaluru Bannerghatta Biological Park has four units namely Zoo, Safari, Butterfly Park and Rescue center spread over an area of 731.88ha. Currently the park exhibits over 2300 animals belonging to more than 100 species of indigenous and exotic birds, reptiles and mammals.

The Park is committed to realize the objectives of the National Zoo Policy, 1998 by supporting the national efforts in conservation of rich biodiversity and United Nations Sustainable Development Goals (SDG- 15) Life on Land!.

At the outset, I would like to mention that the Park has initiated measures to become self-sustainable (Athmanirbhar zoo) by utilizing its internal natural resources. Staffs were involved in harvesting locally grown fodder and fruits for the herbivores and sustainable fishing were also carried out in the water bodies within the park premises to feed water birds and reptiles.

The park has signed MoU on Rainwater Harvesting, Water Conservation and Green Initiatives. The field staffs were involved in conducting water audits, yield testing for the bore-wells and measures were taken to recharge the dead and working bore-wells to rejuvenate the ground water level for better future. In addition to this, tripartite MoU was signed with Collins Aerospace and Saahas on Solid waste Management to create awareness among public.

To create awareness and inspire young enthusiasts about wildlife and their habitat, educational activities were conducted both online and offline. Guided tour for over 500 government school students, less privileged children and specially-abled were conducted as part of Chinnara Mrugalya Darshana. Along with this online quiz, educational activities such as thematic drawing, poster making, elocution, green initiative from academic institutions, planting, cleanup drives and silent march was executed throughout the year and on special days.

A new section of Insectarium exhibiting locally found insect species was established in the Butterfly Park to create awareness and educate general public and students about the insect world, its significance and role in the eco-system.

Animals being one of the important stakeholders of the zoo, regular daily health checkup and treatment, disinfection protocol, de-worming, vaccination, breeding management, training for internship students etc., were followed by the zoo veterinarian.

Enrichment activities were carried out throughout the year to enhance the lives of captive animals through species specific physical, physiological and psychological enrichments. This included physical structures and landscaping for enclosures, feeding enrichments using puzzle feeders to enhance the foraging time and seasonal and sensory enrichments as per the species requirements.

Rescue and Rehabilitation plays a vital role in wildlife conservation. Bannerghatta Biological Park is supporting Karnataka Forest Department in Rescue and Rehabilitation of the wild animals. As an institution, rescue center is aimed to provide shelter, food and veterinary care to all those animals which are abandoned, rescued from snare traps and human-animal conflicts.

Bannerghatta Biological Park has been pioneer and taken a step forward for ensuring germplasm conservation and coordinating with LaCONES, CCMB, Hyderabad for cryopreservation, where genes of the endangered species will be preserved which will be regenerated in the future to fight against extinction of these species.

While this year was full of challenges, especially due to Covid-19 pandemic, it did provide us opportunity to work on soft component, animal behavior, staff welfare and self introspection. We are extremely grateful to all the guidance and support from Central Zoo Authority, Zoo Authority of Karnataka, media, visitors, staff and all those involved in wildlife conservation.



**Vanashree Vipin Singh IFS**

Chief Conservator of Forests  
and Executive Director,  
Bengaluru Bannerghatta Biological Park

## 2 History of the Zoo

Bannerghatta Biological Park (BBP) is located about 22 km from Bengaluru city. It is one among the few places in the world where wilderness is preserved so close to a big city. BBP has its own unique mission and vision for wildlife protection and preservation for the present and future generations to come. The park offers an excellent opportunity and window for the citizens of the mega city, Bengaluru, to come closer to nature.

BBP was started as a small zoo (picnic corner) in 1974 within Bannerghatta National Park (BNP) mainly for recreation purposes, with changing times the priority has shifted to the welfare of wild animals. Whilst panning the pages of history, one comes across the contributions of Sri Y.M.L Sharma, IFS, the then Chief Conservator of Forests and Head of the Forest Department, who was responsible for identifying the need for a place where Bangaloreans can enjoy the solitude of wilderness. He was instrumental in visualizing and creating the Bannerghatta National Park (BNP). It was his conviction that ensured the notification of land and the creation of a National Park in 1974.

In 2002, Bannerghatta Biological Park (BBP), emerged out as an independent establishment from BNP and was brought under the administrative control of the Zoo Authority of Karnataka (ZAK). The Bannerghatta zoo, various safari units, butterfly park and rescue centre was created within the area of Bannerghatta Biological Park which measures around 731.88 Ha. The management jurisdictions of Bannerghatta Biological Park were brought under ZAK with effect from 01.04.2002.

For the convenience of the general public, the Governing Council of Zoo Authority of Karnataka had decided to rename Bannerghatta Biological Park as "Bengaluru Bannerghatta Biological Park (BBBP)"

### List of officers headed Bengaluru Bannerghatta Biological Park after the bifurcation of Bannerghatta National Park and Bannerghatta Biological Park

- 🐾 Sri. B.M.T. Rajeev, IFS (In-charge) : 01/04/2002 to 27/06/2003
- 🐾 Sri N.L. Raghava : 27/06/2003 to 01/07/2003
- 🐾 Sri. K.B.Markandaiah, IFS : 01/07/2003 to 25/06/2006
- 🐾 Smt. Geethanjali, IFS : 25/06/2006 to 08/03/2007
- 🐾 Sri. K.B. Markandaiah, IFS : 08/03/2007 to 05/05/2008
- 🐾 Sri. Millo Tago, IFS : 05/05/2008 to 09/03/2011
- 🐾 Sri Chandrashekar (In-charge) : 09/03/2011 to 29/04/2011
- 🐾 Dr. R Raju, IFS : 29/04/2011 to 06/03/2013
- 🐾 Sri N Devaraju, IFS : 06/03/2013 to 16/09/2013
- 🐾 Sri Range Gowda IFS : 16/09/2013 to 14/09/2015
- 🐾 Sri Santosh Kumar, IFS: 14/09/2015 to 01/11/2017
- 🐾 Sri R Gokul, IFS : 01/11/2017 to 05/09/2018
- 🐾 Dr. Sanjay S Bijjur, IFS : 05/09/2018 to 22/07/2019
- 🐾 Smt Vanashree Vipin Singh, IFS: 22/07/2019 till date

### 3 Vision

To protect and conserve Wildlife and Environment through Sustainable and Scientific management of zoo.

### 4 Mission

To Inspire, Inform, Enhance Scientific literacy of citizens to support national effort of Conservation of rich Biodiversity on Earth.

### 5 Objectives

- 🐾 To compliment and strengthen the national efforts in **ex-situ Conservation** and strength the Conservation of the rich Bio- Diversity of the country, particularly the fauna.
- 🐾 Supporting the conservation of endangered species by giving species, which have no chance of survival in the wild, a last chance of survival through **coordinated breeding under ex- situ condition** and raise stocks for rehabilitating them in wild as and when it is appropriate and desirable.
- 🐾 To inspire amongst zoo visitors empathy for wild animals, an understanding and **awareness** about the need for conservation of natural resources and for maintaining the ecological balance.
- 🐾 Providing opportunities for **scientific studies, research and documentation on conservation and creation of database** for sharing between authorities involved in In-Situ and Ex-Situ conservation.
- 🐾 Providing **dedicated facilities for the rescued and orphaned wild animals** through appropriate housing, clinical and management facilities in off display area.
- 🐾 To serve as **gene pool and germplasm reserve for future biological research on wild animals** and to **extend facilities for studies on behavior and breeding of different animals.**
- 🐾 To sustain the **founder population** and also to **augment the Depleting populations of Endangered species in the wild.**

### Basic Information about the Zoo

1. Name of the Zoo : Bengaluru Bannerghatta Biological Park
2. Year of Establishment : 1974  
Initially, it was started as a small zoo (picnic corner) in 1974 within Bannerghatta National Park (BNP), with changing times the priority has shifted to the welfare of wild animals. In 2002, Bannerghatta Biological Park (BBP), emerged out as an independent establishment from BNP and was brought under the administrative control of the Zoo Authority of Karnataka (ZAK). The Bannerghatta zoo, various safari units, Butterfly Park and rescue centre was created within the area of Bannerghatta Biological Park which measures around 731.88 Ha.  
  
The management jurisdictions of Bannerghatta Biological Park were brought under ZAK with effect from 01.04.2002.
3. Address of the Zoo : Bengaluru Bannerghatta Biological Park, Bannerghatta, Bengaluru 560083
4. State : Karnataka
5. Telephone Number : 080-29776466, 29776467  
E-mail address : bannerghattazoo@gmail.com  
Website : www.bannerghattabiologicalpark.org
6. Recognition Valid Upto : 19<sup>th</sup> August, 2023
7. Category of zoo : Large
8. Area(in hectares) : 731.88 hectares
9. Number of visitors for the year 2020-21 : 5,54,076
10. Visitor's facilities available in Zoo : R O Drinking water, Toll free washrooms, Cloak room, Shelters, Electric Vehicle Service, Wheelchair, First aid Box, Baby Care Unit, Children's play area in butterfly park
11. Weekly Closure Day : Tuesday

### Management Personnel of the zoo

- Executive Director & : Smt Vanashree Vipin Singh, IFS  
Chief Conservator of Forests  
(Officer in-charge)
- Deputy Director : Sri. Prakash D (in-charge)
- Executive Engineer : Sri. H L Nagendrappa
- Assistant Director : Dr. Umashankar K S  
(Veterinary Service)
- Range Forest Officers : Sri Dinesha K  
Sri Gundusingh  
Sri Mohammed Tahir
- Pathologist : Dr. Manjunath V  
(WADDL., Supported by IAH & VB)
- Biologist : Kum. Aishwarya Sridhar
- Education Officer : Kum. Amala M Anil
- Public Relation Officer : Sri Santosh V
- Lab technician : Smt. Madhuri  
(WADDL., Supported by IAH & VB)

### Owner/Operator of the zoo

- Sri B.P Ravi, IFS**  
(Additional Principle Chief Conservator of Forests & Member Secretary)  
Zoo Authority of Karnataka, Mysuru - 10

Contact details/Phone number of Operator : 0821-2432881,  
e-mail : ccfmszak@gmail.com

**Distance  
from nearest**

**Airport:** 59 km from Kempegowda International Airport  
**Railway Station:** 24 km from Majestic Railway Station  
**Bus Stand:** 24 km from Majestic bus station

## 7 Organizational Chart



## 8 Human Resource

Sl. No.	Designation	Number of Sanctioned Posts	Working Strength	Vacancy	Names of the incumbent
1	Executive Director & Chief Conservator of Forests	1	1	0	Smt. Vanashree Vipin Singh IFS
2	Deputy Director & Deputy Conservator Of Forests	1	0	1	Sri. Prakash D (in-charge)
3	Executive Engineer	1	1	0	Sri. H.L.Nagendrappa
4	Assistant Director(VS)	1	1	0	Dr.Umashankar K S
5	Veterinary Officer (VO)	1	1	0	Dr. Ramesha H
6	Audit Officer	1	1	0	Sri Madhukanth
7	Gazetted Manager	1	0	1	
8	Range Forest Officer (RFO)	3	3	0	Sri Dinesha K, Sri Gundusingh, Sri Mohammed Tahir
9	Accounts Superintendent	1	1	0	Sri Rajanna H
10	First Division Assistant	1	1	0	Sri. Subba Shastri
11	Deputy Range Forest Officer (DRFO)	4	4	0	Sri Hemanth. K.S , Sri. Ashoka H T, Sri Abhishek B G, Smt. Sushma N
12	Forest Guard	3	0	3	
13	Forest Watcher	3	0	3	
14	Mahouts	2	1	1	Sri Motanna
15	Kavadi	4	0	4	

No.	Staff	Nos.
1	Permanent Staff	15
2	Kshembivrudhi Employees	36

### Direct Contract

3	Category staff	135
4	Elephants assistants	13
5	Biologist	01
6	Education Officer	01
7	Entomologist	01
8	Office staff	03
9	Ex Army (Security Person)	30

### Outsource staff

10	Security staff from agency	32
11	D-Group staff outsourced staff from agency	82





## 9 Capacity Building of zoo personnel

Capacity building in different categories of park management is very essential for better care and management of animals and ensure smooth functioning of the zoo

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.	Ramaswamy - Tiger Keeper, Kemparaju- Leopard Keeper, Shivakumar-Tiger Keeper, Jayashankara-Driver	Zoo sensitization programme for office staff of Zoos of Karnataka	February 22nd and 23rd, 2021	Sri Chamarajendra Zoological Gardens, Mysuru
2.	Shivnanja, Mallikarjuna, Ramayya - Reptile Keepers	National Zoo Keepers Training on Captive Management of Reptiles (Virtual)	March 15th to 17th, 2021	Indira Gandhi Zoological Park, Visakhapatnam
3.	All Animal keepers from Zoo, Safari and RC - BBP	In-house animal keeper training	March 17th, 2021	Bannerghatta Biological Park

Further, fire drill and disaster management practice was conducted by Hulimavu and Anjanapura Fire Brigade personnel for BBBP staff to cope during fire season.



## 10 Governing Council of Zoo Authority of Karnataka, Mysuru.

	Members	Designation
1	Sri L.R Mahadevaswamy	Chairman
2	Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden	Vice-Chairman
3	Additional Principal Chief Conservator of Forests, Zoo Authority of Karnataka, Mysuru	Member Secretary
4	Secretary to Government (Forests), Forest, Environment & Ecology Department, M.S Building, Bengaluru	Member
5	Hon'ble Mayor, Mysuru City Corporation, Mysuru	Member
6	Director, Dept. Of Animal Husbandry & Veterinary Services, Vishveshwaraiah Gopura, Bengaluru	Member
7	Director, Institute of Animal Health & Veterinary Biologicals, Hebbal, Bengaluru	Member
8	Special Officer (Banking)/ Deputy Secretary, Finance Dept, M.S building, Bengaluru	Member
9	Sri Gokul Govardhan. K, Mysuru	Member
10	Smt. E. Jyothi Revanna, Chamarajanagara	Member

## 11 Animal Health Advisory Committee

### A. Date of constitution :

Government Order No: FEE 2003 FWL 2002, Bengaluru.  
Dated: 12/02/2004

### B. Members

	Members	Designation
1	Executive Director, Bannerghatta Biological Park, Bangalore	Convener
2	Joint Director, Animal Husbandry & Veterinary Sciences, Bengaluru.	Member
3	Head of the Department of Clinical Medicine, Veterinary College, Hebbal	Member
4	Director, Institute of Animal Health & Veterinary Biologicals, Hebbal.	Member
5	Assistant Director (VS), BBP	

### C. Dates on which Meetings held during the year

- 1) Virtual: 15/6/2020 - Health status of Tiger Vishnu
- 2) Virtual: 6/8/2020 - Rationalization of feed for zoo animals and Feeding beef to carnivores in BBP
- 3) Onsite meeting on 16/02/2021

### Agenda -

- 1) Theilariosis outbreak in herbivore safari (Spotted deer & Sambar deer)
- 2) Feeding chicken/ beef to carnivores
- 3) Handling COVID-19 situation in BBP
- 4) Assessment of large carnivores health
- 5) Vasectomy/ neutering in leopards



## 12 Statement of income and expenditure of the Zoo

Details of Budget Head		Total Budget & APO approved 2020-21 (Rs. in Lakhs)	Actual Expenditure from 01-04-2020 - 31.03.2021 (Rs. in Lakhs)
1	Establishment Charges	1,030.00	1,009.15
2	Staff Advances	1.00	-
3	Office Expenses	25.00	15.29
4	Advertisement and Publicity	25.00	8.79
5	Stores, Tools and Plants	10.00	5.25
6	General Charges	30.00	24.47
7	Zoo Education	15.00	6.70
8	Staff Welfare	109.00	93.71
9	Others (If any)	30.00	11.40
	<b>Total</b>	<b>1,275.00</b>	<b>1,174.76</b>
10	Feed and Fodder	1,000.00	<b>642.61</b>
11	Animal Treatment charges (vet care)	50.00	31.59
12	Animal Collection - Handling and transportation charges	110.00	-
	<b>Total</b>	<b>160.00</b>	<b>31.59</b>
13	Fixed Assets	-	-
14	Garden Development	-	-
15	Civil Work Development (Zoo, Safari and Butterfly Park)	-	-
	<b>Total</b>	<b>-</b>	<b>-</b>
16	Maintenance Charges	140.00	<b>123.53</b>
17	Garden Maintenance	50.00	1.85
18	Research and Documentation	1.50	-
19	Enrichment of Captive Habitat	5.00	1.89
20	Civil Work Maintenance (Zoo, Safari, Butterfly Park & Rescue center)	404.50	170.47
21	Payment to KSTDC	750.00	241.38
	<b>Total</b>	<b>1,351.00</b>	<b>539.12</b>
	<b>Sub-Total</b>	<b>3,786.00</b>	<b>2,388.08</b>
22	Spill over Works of 2019-20	878.59	303.85
	<b>Grand Total</b>	<b>4,664.59</b>	<b>2,691.93</b>

Particulars	Approved anticipated Revenue (Rs. in Lakhs)	Actual income 2020-21 Upto 31.03.2021 (Rs. in Lakhs)
1 Gate Collection	1,335.00	1,334.61
2 License Fees	40.00	38.64
3 Sale Proceeds	2.00	1.37
4 Bank Interest	55.00	93.82
5 Other Receipts	68.00	61.34
<b>Total</b>	<b>1,500.00</b>	<b>1,529.78</b>



## 13 Daily feed Schedule of animals

The food requirement varies from animal to animal and quantity also varies between age groups and sex. Herbivores are fed twice a day whereas omnivores are fed in the morning hours according to their feed requirements. Carnivores are fed in the evening time, except on Tuesdays, which is a starve day to mimic natural feeding behaviour. Quality and Quantity are monitored by the Assistant Director of Veterinary Services and Range forest Officer respectively. The matter was discussed in Animal Health Advisory Committee for valuable inputs.

The daily food supplied by the contractor is first weighed in the weigh bridge in the presence of AD (VS) / RFO / Security Officer or their representatives inside the zoo, where CCTV is installed for monitoring the same. Then it is deposited in the kitchen, where it is distributed to all the animals and birds as per the feeding schedule. The same is also monitored through CCTV which is installed in the kitchen room.

	Species	Feed item	Frequency
1	Mammals	Herbivores	Vegetables, concentrates, grains, grass
		Carnivores	Beef & chicken
		Omnivores (Macaques, Toddy cat and Bears)	Fruits, vegetables, grains, chicken and fish
2	Birds	Seasonal fruits, vegetables, concentrates, grains & fish	Daily
3	Reptiles	Crocodiles	Fish
		Snakes	Live feed (Mice, rat snake & rabbit)
		Turtle	Fish
		Tortoise & Iguana	Fruits, greens & vegetables

### Standard Operating Procedure

#### Distribution of Meat/Feed to the Carnivores

- 1 Meat arrival**  
Meat arrived from BBMP slaughter house with seal, weighing
- 2 Weighing /Washing/Sampling**  
Washing the beef with hot water, sampling by lab persons and quality checking by authorized veterinarian
- 3 Meat Cutting**  
Meat cutting into pieces by meat supplier
- 4 Second washing**  
Washing at holding room with hot water before feeding by animal keeper
- 5 Meat distribution**  
Beef supply to carnivores by animal keeper
- 6 Feeding to carnivores**  
Feeding beef to carnivores



## 14 Vaccination Schedule of animals

Sl. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity
1.	Tiger, Lion, Leopard, Jungle cat	Feline pan leukopenia, feline calci virus, feline infectious rhinotracheitis	Feligen combined vaccine (Feligen) 1 ml	Annual
2.	Tiger, lion, leopard, jungle cat, wolf, dhole, jackal, hyena, Himalayan Black Bear	Rabies	Rabigen 1 ml	Annual
3.	Wolf, Dhole, Jackal, Hyena	Canine parvo virus, canine distemper, ICH, Canine Parainfluenza, Leptospirosis	Canine combined vaccine (Canigen) 1 ml	Annual
4.	Deer and antelopes, Elephant, Giraffe, Gaur	Foot and mouth disease; Haemorrhagic septicaemia	FMD and HS bivalent vaccine	Once in six months
5.	Tiger, Lion, Leopard	Trypanosomiasis	Surral 1 mg / kg b.wt	Once in Three months

## 15 De-worming Schedule of animals

Sl.No.	Species	Drug	Used Month
1	All Animals	Oxyclozanide	May
2	All Animals	Albendazole	August
3	All Animals	Fenbendazole	November
4	All Animals	Closantel	February

## 16 Disinfection Schedule

Sl. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	All Animals	All holding house, passages	Kohrsalin Th Mopping	Daily
2	All Animals	All holding house, passages	Biokleen Mopping	Daily
3	All Animals	All holding house, passages, visitor entrance	Potassium permanganate foot dip	Daily
4	All Animals	All holding house, passages, exhibit areas	Viracid spray and foot dip	Once a week as prophylactic method.



## 17 Health Check-up of employees for zoonotic diseases

Front line warriors and other staff working in Bannerghatta Biological Park were vaccinated against Covid-19



## 18 Development works and facilities created

- Deer and Lesser Carnivore Enclosure : Animals have been shifted to the new immersive, naturalistic enclosures, designed and constructed as per the approved master plan.
- Toilet Renovation near Parking
- Baby care unit in Butterfly park
- Staff Library
- Railway barricade gate at Butterfly Park, Leopard Safari, Elephant care centre
- Tentacle Solar Fence near Herbivore Safari
- Landscape work at zoo
- Information boards : Forest Type, COVID Do's and Don'ts , on spot adoption, tariff boards, selfie boards
- Solid Waste Management and Biomedical Waste Management
- Rejuvenation of existing borewells for sustainable water usage
- Arrangements for Divyangjan - Wheel chair friendly ramps, pathway and toilets

Apart from this following works are taken up during the financial year and are under progress

- Construction of Leopard Safari
- Establishment of rescue center for large carnivores at Bannerghatta (by restructuring and modifying the old existing carnivores enclosures to accommodate rescued panthers) under CAMPA



Toilet Renovation



Arrangements made for Divyangjan



Baby Care Room at Butterfly Park



CAMPA work





## 19 Education and Awareness programmes

As per the National Zoo Policy, 1998, Zoos play a major role in ex situ conservation through Conservation Education and Awareness Creation. Bannerghatta Biological Park has a dedicated education master plan with the involvement of staff from various sections to create empathy towards wildlife and nature conservation for visitors from all walks of life.



### a. Chinnara Mrugalaya Darshana

Date	School / Organization Name	Number of children			Staff
		M	F	Total	
30-01-2021	The Bharat Scout & Guide District Association , Bangalore East, Anekal (National Clean up day volunteers)	9	2	11	16
31-01-2021	Karnataka Welfare Association for the Blind, Sheshadipuram	16	15	31	34
04-02-2021	NCC RDC – 2021 Contingent	16	9	25	9
14-02-2021	Government School & College Students, HSR Layout, C/o Lions Club of Bangalore Aikya	13	7	20	10
22-02-2021	Prison Ministry India, Sarjapura Road	24	0	24	9
01-03-2021	GPS, Akkithimmana Halli, C/o Need Base India, Shantinagar & Gene Research Foundation	26	0	26	13
05-03-2021	Sri Champakadhama Swamy High School	11	29	40	4
17-03-2021	Specially abled children from Sri. Ramakrishna Comprehensive Education Centre, Gottigere; GHPS Bommanahalli, GHPS Puttenahalli, GHPS Ellukunte, GHPS Bandepalya, GHPS Doddatogooru, Gangamma Hombe Gowda High School, GHPS Parappama Agrahara	24	16	40	18
18-03-2021	GHPS Thindlu	16	18	34	9
21-03-2021	GHPS Lalbagh, Siddapura C/o Need Base India	71	0	71	29
26-03-2021	GMPS Weavers Colony	18	21	39	11
31-03-2021	GMPS Weavers Colony	20	31	51	4
<b>Total 2020-21</b>	<b>18</b>	<b>264</b>	<b>148</b>	<b>412</b>	<b>166</b>

### Chinnara Mrugalaya Darshana

is a programme initiated to provide in reach education for Government School children residing in close proximity to the National Park and is completely sponsored by Bannerghatta Biological Park. This included a guided tour of the zoo, butterfly park as well as nutritious lunch at Hill View Restaurant. Due to COVID19 pandemic, schools were shut for majority of the year hence this programme was extended to less privileged children such as specially abled, orphans and green initiative volunteers at the zoo.

For the financial year 2020-2021, 412 students and 166 staff from 18 schools/organisations visited the park as part of Chinnara Mrugalaya Darshana.

Students from GMPS Weavers Colony



Students from GHPS Lalbagh, Siddapura



Specially abled children from various schools



Students from Sri Champakadhama Swamy High School



**b. SPECIAL DAYS**

**World Earth Day :**

World Earth Day was celebrated on April 22 along the theme of Climate action where BBP staff took the wildlife pledge recalling fundamental duties as per the Constitution of India to protect and conserve Natural Environment and Wildlife.



**Labour's Day :**

As part of Labour's Day, BBP staff took the Zoo Pledge to continue the compassion towards ex situ conservation, education and awareness creation, research and conservation breeding during COVID period. Social distancing was maintained during the pledge using umbrellas



**Mother's Day :**

May 10th marked Mother's Day and as an initiative to acknowledge the effort of all Kawadi, Sweepers, Animal keepers and other staff of BBP, staff children created greeting cards for their mothers along with conservation message to appreciate the tireless efforts in upkeep and maintenance of Zoo amid COVID19 lockdown.



**World Zebra Day :**

31st January coincides with World Zebra Day and visually challenged students learnt about zebras and other wildlife housed in the zoo through a unique touch and feel session using animal models. The students also made zebra models using clay and took the wildlife pledge as an oath to conserve all natural resources.



**Lion Day :**

Online awareness was conducted about lions along with drawing and short film competition.



**Independence Day :**

An online quiz was conducted on national wildlife and forests for public to test their knowledge on wildlife and learn new facts. Sports kits were distributed to staff children by Justice D H Waghela, Chairman of the Karnataka State Human Rights Commission and Mrs. Waghela to encourage children to play outdoors.



**Elephant Day :**

In reach awareness was conducted for visitors along with acknowledging mahouts and kavadis for their role in maintaining high standards of welfare for our elephants. An online drawing and short film competition was also conducted on the theme of conservation.



### Tiger Day :

In reach awareness boards were placed about tiger facts along with outreach initiative of a webinar by our Executive Director, Mrs. Vanashree Vipin Singh, IFS on tiger conservation at Bannerghatta Biological Park along with online awareness on social media and online competition with the theme “Their Survival is in our hands”.



### Snake Day :

Online awareness creation about snake facts, myth busters and snakes housed in BBP. An online quiz was also conducted regarding facts about snakes



### Earth Hour

Awareness creation was conducted on Earth Hour in association with officials from World Wildlife Fund, Karnataka to encourage visitors to take part in the Earth Hour by conserving energy and to understand and implement changes in their daily life to conserve energy and use it sustainably.



### World Soil Day :

was celebrated on 5th December with the theme “Keep Soil Alive, Protect Soil Biodiversity” through awareness creation for visitors on importance of maintaining soil biodiversity, negative impact on soil due to human activities, eco friendly alternatives to single use plastics and ways to compost household wet waste. In addition to this , waste segregation activity was conducted and seven out of sixty participants successfully completed the activity.



3rd March is celebrated as **World Wildlife Day** and the theme for this year was “Forests and Livelihoods: Sustaining People and planet”. Native tree species were planted in BBP along with WWF, India officials along with receiving a certificate as an implementation partner towards one Earth One Home programme. Online and on-spot Competition along the theme of “Do One Thing Today” was also launched.

### Crocodile Day :

An online quiz was conducted to create awareness about these lesser-known cold blooded animals



### Women's Day :

On Women's Day, students from Krishna College took part in a silent walk to create awareness on waste segregation.



# World Wildlife Day



## c. Events

### Wildlife Week (2<sup>nd</sup> to 7<sup>th</sup> October 2020)

The week commenced with awareness creation for park visitors about role of animals in maintaining a balance in the ecosystem along with ill effects of single use plastic through a street play organized by Saahas.

On 3rd October, Sri. Sanjai Mohan, IFS, Hon'ble HOFF & PCCF (General) announced the winners of the elephant and lion day competition along with presiding over the adoption ceremony of Lions Club Host and Lions Club of Bangalore South. Selfie boards with conservation message were also inaugurated. A quiz was conducted for zoo visitors on unique facts about animals.

4th October coincides with Zoo Keepers Day hence the zoo pledge was taken by all keepers reinforcing their duties towards ex-situ conservation and greeting cards were made by staff children for the keepers.

As part of outreach education, BBP in collaboration with WWF, India has made "One Earth, One Home" programme available on BBP website to create awareness about bio-diversity and green initiatives students can get involved in.



To commemorate 6th February as Constitution of Central Zoo Authority and to comply with Hon'ble Prime Minister's "Mann ki Baat" message urging "All trees in the zoo to have boards giving details of the trees", BBP held a drive to place tree information boards involving visitors and children of mahouts to highlight the role of zoos in conservation of biodiversity.

Zoo Day is an Annual Event conducted at BBP to recognize and acknowledge the staff's contribution towards ex situ conservation. Some of the highlights include Sports, Cultural Programme, Prize distribution and honorarium for staff for their outstanding work in their respective field.

On the same day, the Staff Library was inaugurated to provide all staff children with a place to gain access to books and resource material as well as to learn and practice cultural activities, especially during the COVID 19 pandemic period when students were deprived of schooling.

## d. Outreach

**Conservation Talk :** Dr. Vidya Athreya, Senior Scientific Director, WCS-India shared her experience in Leopard Conservation, Mitigation of conflict and Best Practices through an online webinar conducted on 15th October 2020.



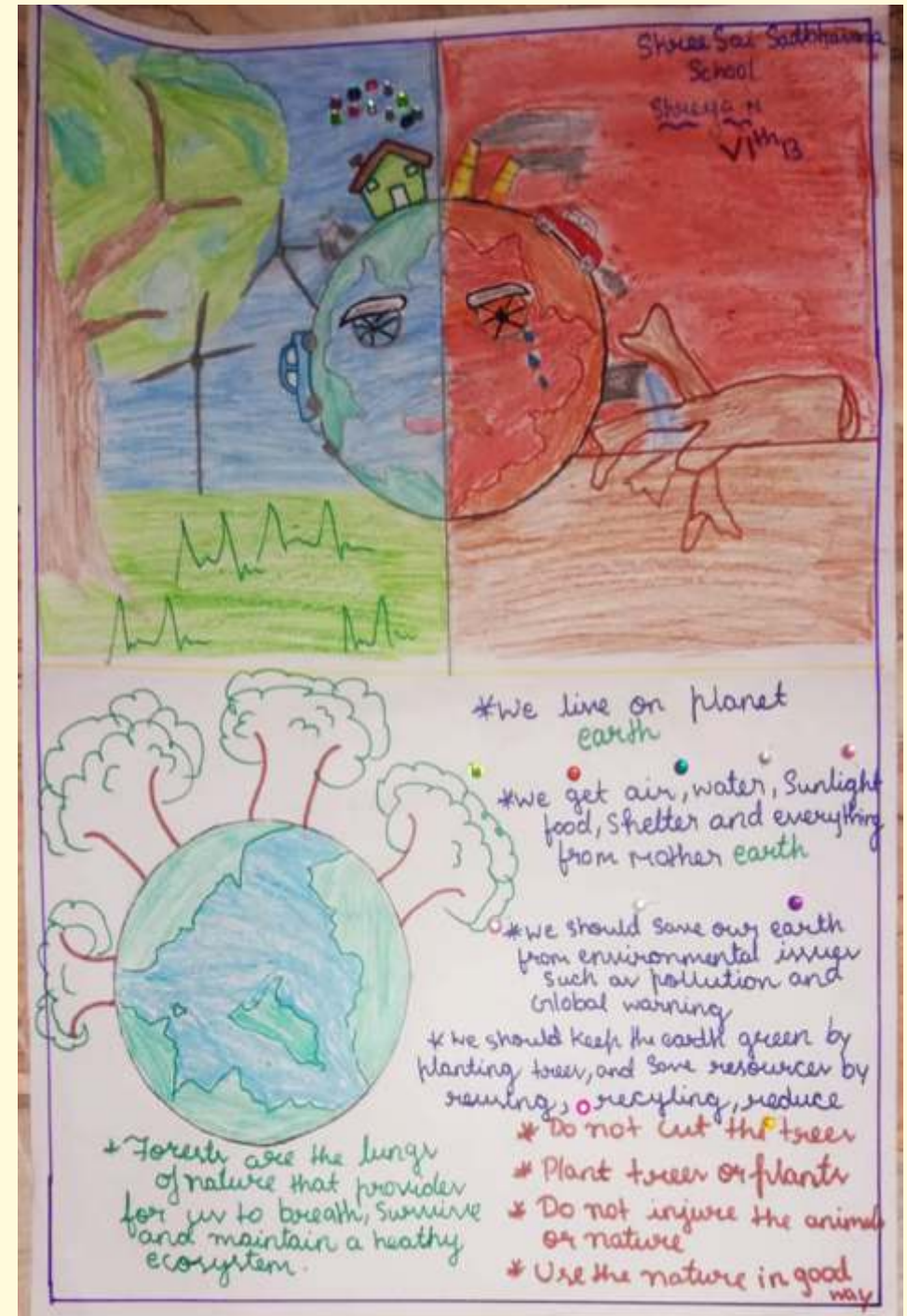
**Postcard :** Augmented Reality Postcards were created to further promote outreach education in collaboration with Flipper Go App



**One Earth One Home:** is a short and flexible digital journey filled with interactive activities and engaging videos that will build knowledge and skills among students and foster greener habits among families in collaboration with WWF



**Youtube Channel:** Various videos were uploaded onto our YouTube Channel to reach out to a wider audience.



## 20 Green Initiatives

A plantation drive was conducted on World Environment Day and 1000 medicinal plants were planted in all sections of BBP, including

- Malabar Nut (*Adhatoda vasica*)
- Water hyssop (*Bacopa monnieri*)
- Vettiverodorata (*Chrysopogon zizanioides*)
- Indian pennywort (*Centella asiatica*)
- Champak (*Michelia champaca*)
- Aloe vera (*Aloe barbadensis miller*)
- Veldt grape (*Cissus quadrangularis*)
- Heart-leaved moonseed (*Tinospora cordifolia*)
- Swallow root (*Decalepis hamiltonii*)
- Star Gooseberry (*Sauropus androgynous*)
- Henna (*Lawsonia inermis*)
- Shoebblackplant (*Hibiscus rosa-sinensis*)
- Indian gooseberry (*Phyllanthis emblica*)



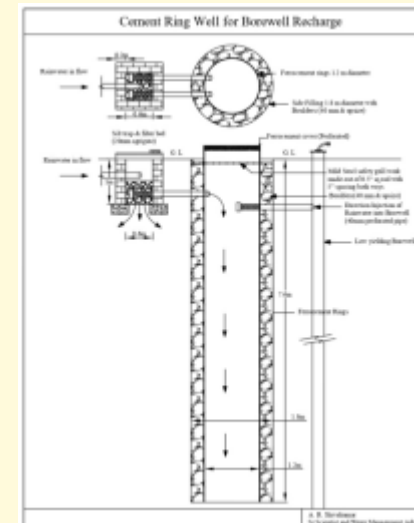


In collaboration with Anekal Judicial Magistrate, Police Personell and scouts and guides volunteers, National Cleanliness Day was celebrated on 30th January 2021 through a cleanup drive from Bannerghatta zoo to the Bannerghatta Circle, with the guidance of BBP staff.



### Water Management and Green Initiative with Dr. A R Shivkumar. (Ex-IISc Scientist)

Water Audit was conducted to assess water availability to maintain a sustainable system. Existing borewells in the zoo were tested to determine the yield and recharge stations were installed near few borewells.



Solid Waste Management (SWM)



Provision for electronic waste collection

Waste segregation

Separate bins for wet and dry waste



## 21 Enrichment Activities

Enrichment plays an important role in satisfying both the physical and psychological needs of animals, allowing them to make choices and encourage species-specific behaviours in captivity. Enrichment introduced to animals is changed periodically to stimulate them continuously and to avoid habituation. Animal enrichment is divided into five categories such as environmental, food, sensory, cognitive and social enrichments. Some of the enrichments introduced to animals were:

### **Environmental Enrichment:**

The physical habitat of the animal plays an important role in the animal's welfare. Meeting animal's physical requirement provides a positive environment for the animal to live in. By mimicking their natural environment in captivity, an enriched habitat allows animals to perform natural behaviors, permits them to be more active and increases their control over the environment by stimulating exploratory behaviours.

**Primate enclosures** - Primates in the wild are naturally curious animals; spending their time by exploring and manipulating various kinds of objects they encounter in the natural environment. To give them opportunities for manipulation and exploration in captivity a complex 3-dimensional enclosure with multi-level platforms, ropes, swings, climbing structures were provided to captive primates.

### Rhesus Macaque enclosure



### Pig-tailed Macaque enclosure



### Spectacled langur enclosure



## Enrichment Activities

### Canid enclosures

Canids are highly social animals. Large rocks, logs, trees or hilly landscape create visual barriers which decreases food competition and aggression within a population while also adding a sense of visual complexity where the visitors do not see the entire environment from all areas. Visual barriers in the form of vegetation or hollow logs can provide privacy and a sense of security; trees provide rubbing areas and scratching posts.

### Dhole enclosure



### Jackal enclosure



### Hyena enclosure

Cave using Ferro-cement technique – Ferro-cement is a system of construction using reinforced mortar or plaster (lime or cement, sand, and water) applied over an "armature" of metal mesh or metal-fibers. Basic structure of the cave was aimed to replicate shape of boulder which was achieved using bamboo strips. Hessian sacks dipped in cement were used to stabilize the design which was later reinforced by plastering both from inside and outside the structure. Roof of the cave was reinforced using chicken mesh along with the cement mortar. Aesthetics were improved by placing few actual boulders and log along with plants and creepers around it to create a natural setting.



**Food Enrichment**

Food based enrichment is the most widely used method of enrichment where way of presenting food is manipulated. The aim of food-based enrichment is to prolong feeding times by making feeding more challenging for the animal. A variety of feeding methods and presentation of food encourage animals to work for their food. The ultimate goal is to stimulate and extend the appetitive and consummatory behaviours of an animal

**Zebra -**

Fire hose browser ball and grass pockets with hidden treats were presented to promote foraging



**Giraffe -**

Suspended fire hose browser filled with fruits and vegetables to promote using their long prehensile tongue.



## Elephant -

Fire hose browser ball filled with grass and treats, food suspended from fire hose rope and pipe filled with fruits, jaggery and sugarcane to encourage elephants to use their trunk in pulling out the food.



## Himalayan Black Bear -

Braided fire hose feeder filled with food and honeycomb, dates & other seasonal fruits were scattered in the enclosure to allow bear to forage as they would in the wild



### Hornbill -

Small-sized fishes was given to hornbill occasionally to meet its natural omnivore diet



### Star Tortoise -

Hibiscus flowers were scattered inside the enclosure once a week as treat which was relished by the animal



### Parakeets -

Fruits suspended above perch for conures and lorikeets to imitate natural feeding behaviour.





**Theme based enrichment :**

Distinct way of presenting food to animals by following a theme or on special days

Food tower made of rice balls with jaggery, watermelon, pineapple, apple, banana, carrots, sweet potato, sugar cane and maize were given to Elephant Sundar and other elephants on the occasion of Deepawali.



**Zebra foal birthday -**

Fodder grass, water melon, carrot, banana and apple presented in the form of a cake on the occasion of zebra foal first year birthday



### Sensory Enrichment :

Sensory enrichment focuses on the stimulation of the animals' senses. This can encompass any of the five senses – Visual, olfactory (smell & taste), auditory (sound) and tactile (touch) enrichment. These senses are all important means of communication and are routes of gathering information about animals surrounding environment. The most common form of sensory enrichment used is olfactory enrichment; which utilizes the sense of smell. This type of enrichment will normally induce extra scent marking from the animal reaffirming its territory boundaries.

**Royal Bengal Tiger** – Coir rope was tied on the pole as tactile enrichment and lavender spray was sprayed in different parts of the enclosure as olfactory enrichment. The animal was seen using the scratch post and Flehmen reaction was observed when sniffing at the surface sprayed with scent followed by urine spraying to mark its territory



**Lion** – A hessian sack stuffed with green grass was presented to Lions as olfactory and tactile enrichment. The animals were curious to interact and Flehmen reaction was observed initially, later on both the male and female were seen playing with the sack by tearing it apart and rolling over the grass.



**Primates** – As part of tactile enrichment hessian sacks were given to primates to manipulate and promote exploratory behaviour, interaction and also play behaviour in the young animals.



## 22 Research Work carried out and publications

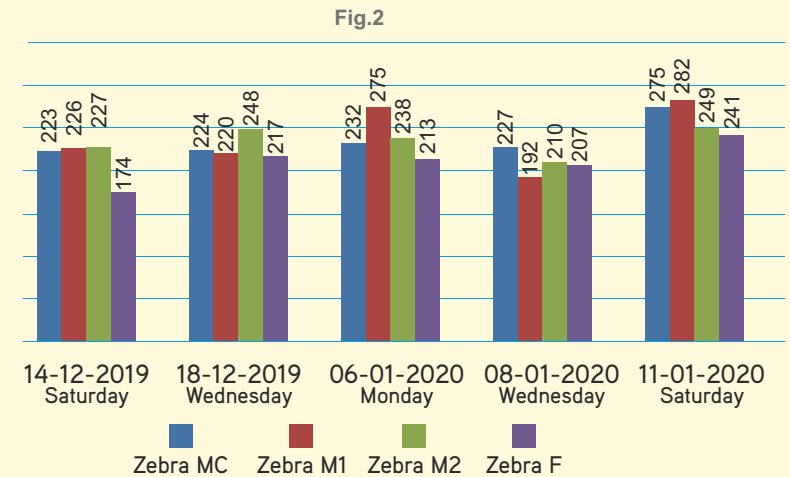
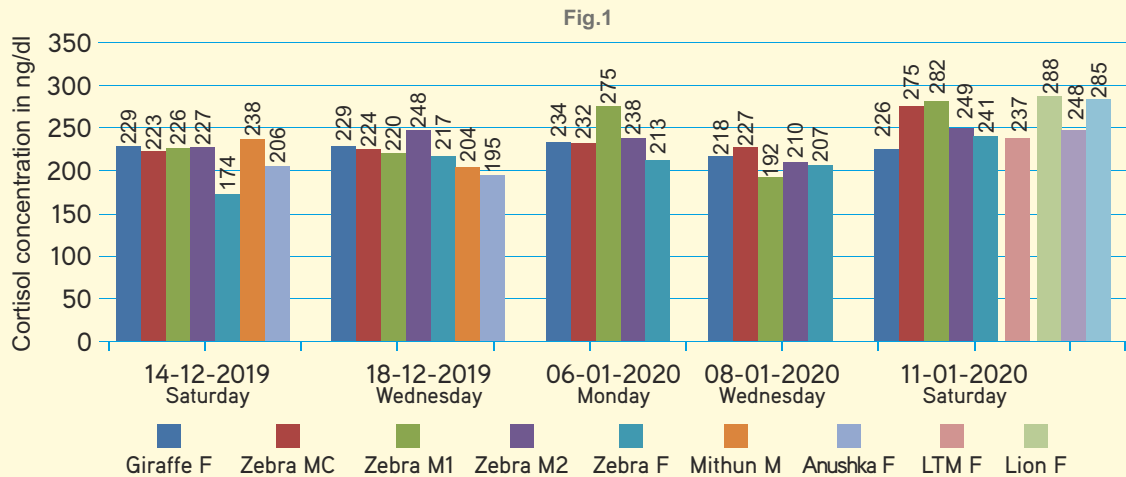
### The study of stress hormones and their role in health and reproduction of Wild Animal in captive conditions of Zoo

**Introduction:** Animal welfare is of increasing importance and absence of chronic stress is one of its prerequisites. The front-line hormones to overcome stressful situations are the glucocorticoids and catecholamines. These hormones are determined as a parameter of adrenal activity and thus of disturbance. The concentration of glucocorticoids (or their metabolites) can be measured in various body fluids or excreta. Above all, fecal samples offer the advantage that they can be easily. Recently, enzyme immunoassays (EIA/ ELISA) have been developed and successfully tested, to enable the measurement of groups of cortisol metabolites in animal feces

**Objective :** to measure the fecal cortisol levels to know the levels of the stress in the animals in different periods of the month

**Material methods :** Fresh fecal samples in different time intervals and seasons were collected with the help of Animal keeper and stored in methanol and the samples are analyzed on the same day using ELISA method at WADDL, BBP

#### Results: ELISA reading of samples in duplicates; absorbance at 650 nm



On Tuesday the stress hormonal levels are low in all the animals, zebra males showed more hormonal levels compared to zebra females. Tigers are showed less stress hormonal levels compared to herbivores. More cortisol / stress levels seen in the Sunday in all the animals.

In the zebra males are showed elevated stress hormones than the females, zebra adult males are showed high levels of stress hormonal levels compared to zebra male calf.

**Conclusion:** in this preliminary study we found that, the stress hormonal levels in males are more than the females , the stress hormonal levels lower in holidays and more in week days, also the stress hormonal levels of these animals directly proportional to number of visitors. The study need to be continues for further conclusion and better understanding the stress levels in the captive zoo animals.

**Work done by :** Dr. Manjunatha V, Regional research Officer, Wild Animals Disease Diagnostic lab, IAH&VB, KVAFSU, Bannerghatta Biological Park, Bnagalore

Vanashree Vipin Singh IFS & ED, BBP, Bangalore, Dr. Umashankar, ADVS, Zoo Hospital, BBP, Bannerghatta

**Acknowledgements :** BBBP Staff

## 23 Conservation Breeding Programme of the Zoo

Currently, Bannerghatta Biological Park is selected as participating zoo for King Cobra conservation breeding by Central Zoo Authority. Further we initiate to expand it to other species such as Asiatic Dholes and Grey Jungle fowl.

Form – II (See Rule 11(1)) Part – A  
Inventory Report for the Year 2020-21  
Endangered Species #

# Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

INVENTORY OF SCHEDULE I AND II SPECIES (WILDLIFE PROTECTION ACT)

Zoo Portion  
Mammals

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Black Buck - <i>Antilope cervicapra</i>	12	26	3	45	0	0	3	0	0	0	0	0	0	5	9	0	12	19	3	34
2	Indian Leopard - <i>Panthera pardus</i>	21	16	0	37	1	0	3	4	4	0	0	0	0	2	2	3	24	18	0	42
3	Lion Tailed Macaque - <i>Macaca silenus</i>	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	2
4	Himalayan Black Bear - <i>Ursus tibetanus</i>	4	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	6
5	Jackal - <i>Canis aureus indicus</i>	5	7	0	12	0	0	0	0	0	0	0	0	0	1	0	0	5	7	0	11
6	Rhesus Macaque - <i>Macaca mulatta</i>	6	6	0	12	1	0	1	0	0	0	0	0	0	0	0	0	7	7	0	14
7	Common or Hanuman Langur - <i>Semnopithecus entellus</i>	2	1	1	4	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	3
8	Sangai /Thamin Deer - <i>Rucervus eldii eldii</i>	8	8	2	18	0	0	2	0	0	0	0	0	2	0	0	0	7	9	4	20
9	Wild Dogs - <i>Cuon alpinus</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	4
10	Indian Grey Wolf - <i>Canis lupus pallipes</i>	5	3	0	8	0	0	6	0	0	0	0	0	0	1	0	0	8	5	0	13
11	Jungle Cat - <i>Felis chaus</i>	10	3	0	13	0	0	1	0	0	0	0	0	5	1	0	0	5	2	0	7
12	Spectacled Langur - <i>Trachypithecus phayrei</i>	2	2	1	5	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	5
13	Pig Tailed Macaque - <i>Macaca leonina blyth</i>	4	2	0	6	0	0	1	0	0	0	0	0	0	0	0	0	4	3	0	7
14	Assamese Macaque (Hybrid) - <i>Macaca assamensis</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	2
15	Toddy Cat - <i>Paradoxurus hemaphroditus</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	1	0	0	1	1	3	5
16	Indian grey Mongoose - <i>Herpestes edwardsii</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
17	Sloth Bear - <i>Melursus ursinus</i>	1	2	0	3	0	0	0	1	2	0	0	0	0	0	0	0	1	2	0	3
<b>Total</b>		<b>89</b>	<b>89</b>	<b>7</b>	<b>185</b>	<b>2</b>	<b>0</b>	<b>18</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>17</b>	<b>3</b>	<b>88</b>	<b>84</b>	<b>7</b>	<b>179</b>

\*Assamese macaque sex changed to male  
\*Hanuman langur infant sex changed to male  
\*Rhesus Macaque sex changed to female

\*Thamin calf sex changed  
\*Spectacled langur sex changed to female  
\*Pig-tailed sex changed to female

\*Black buck sex changed  
\*Wolf pups sex changed

## Zoo : Birds

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
1	Great Indian Hornbill - <i>Buceros bicornis</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2a	Indian Peafowl - <i>Pavo cristatus</i>	2	4	0	6	0	0	0	0	0	0	0	0	0	0	2	0	2	4	0	6			
2b	Indian Peafowl (white) - <i>Pavo cristatus</i>	3	1	0	4	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	3			
3	White stork - <i>Ciconia ciconia</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0			
4	Kalij Pheasant - <i>Lophura leucomelanos</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1			
<b>Total</b>		<b>6</b>	<b>7</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>9</b>			

## Zoo : Reptiles

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Gharial - <i>Gavialis gangeticus</i>	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
2	Indian Rock Python - <i>Python molurus</i>	2	1	4	7	0	0	0	0	0	0	0	0	0	0	0	0	2	1	4	7
3	Indian Cobra - <i>Naja naja</i>	9	8	0	17	0	0	0	0	0	0	0	0	0	0	0	0	9	8	0	17
4	King Cobra - <i>Ophiophagus hannah</i>	4	1	0	5	0	0	0	0	0	0	0	0	0	0	1	0	4	1	0	5
5	Russells Viper - <i>Vipera russelli</i>	2	2	1	5	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	5
6	Common Indian Monitor Lizard - <i>Varanus bengalensis</i>	0	1	2	3	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	2
7	Rat Snake - <i>Ptyas mucosa</i>	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
8	Black Spotted Terrapins - <i>Geoclemys hamiltonii</i>	0	28	18	46	0	0	0	0	0	0	0	0	0	0	0	0	0	28	18	46
9	Batagar Terrapin or River Terrapin - <i>Batagur baska</i>	16	17	1	34	0	0	2	0	0	0	0	0	0	0	1	1	16	16	0	32
10	Indian Mud or Flapshell Turtle - <i>Lissemys punctata</i>	1	0	7	8	0	0	0	0	0	1	0	0	0	0	0	0	1	0	7	8
11	Red Crowned Roof Turtle - <i>Batagur kachuga</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
12	Tricarinate Hill Turtle - <i>Melanochelys tricarinata</i>	19	28	0	47	0	0	0	0	0	0	0	0	0	8	10	0	11	18	0	29
13	India roof turtle - <i>Kachuga tecta</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>Total</b>		<b>53</b>	<b>90</b>	<b>67</b>	<b>210</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>12</b>	<b>1</b>	<b>47</b>	<b>78</b>	<b>65</b>	<b>190</b>

\*Monitor Lizard sex changed to male

## Inventory of other Schedule and Exotic Species [Wildlife (Protection) Act, 1972]

Zoo Portion  
Mammals

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/20				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Hippopotamus - <i>Hippopotamus amphibius</i>	4	3	0	7	0	0	1	0	0	0	0	0	0	1	0	0	5	3	0	8
2	Indian crested Porcupine - <i>Hystrix indica</i>	3	3	0	6	0	0	1	0	0	0	0	0	0	0	1	0	3	2	1	6
3	Chital or Spotted deer - <i>Axis axis</i>	13	18	1	32	0	0	0	0	0	0	0	0	0	5	8	0	8	11	0	19
4	Indian Hog Deer - <i>Axis porcinus</i>	4	19	3	26	0	0	1	0	0	0	0	0	0	5	1	0	2	18	1	21
5	Barking Deer - <i>Muntiacus muntjak</i>	6	5	0	11	0	0	1	0	0	0	0	0	0	5	0	0	1	5	0	6
6	Striped Hyena - <i>Hyaena hyaena</i>	2	2	0	4	0	0	0	1	1	0	0	0	0	0	1	0	2	1	0	3
7	Nilgai or Blue Bull - <i>Boselaphus tragocamelus</i>	1	10	2	13	0	0	4	0	0	0	0	0	0	1	1	0	2	10	5	17
8	Zebra - <i>Equus quagga</i>	3	1	0	4	0	1	0	0	0	0	0	0	0	1	0	0	2	2	0	4
9	Giraffe - <i>Giraffa camelopardalis</i>	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	2
10	Hamadryas Babbon - <i>Papio hamadryas</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<b>Total</b>	<b>36</b>	<b>63</b>	<b>6</b>	<b>105</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>12</b>	<b>0</b>	<b>26</b>	<b>53</b>	<b>7</b>	<b>86</b>

\* Nilgai calf sex changed to male

\* Hippo calf sex changed to male

\* Spotted deer sex changed

\* Hog deer sex changed

## Reptiles

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Red Sand Boa - <i>Eryx johnii</i>	1	0	1	2	0	0	0	0	0	3	0	0	0	1	0	0	0	0	1	1
2	Indian Star Tortoise - <i>Geochelone elegans</i>	39	101	2	142	0	0	0	3	2	0	0	0	0	26	47	0	16	56	2	74
3	Spectacled Caiman - <i>Caiman crocodilus</i>	9	10	0	19	0	0	0	0	0	0	0	0	0	1	2	0	8	8	0	16
4	Red-eared slider turtle - <i>Trachemys scripta elegans</i>	36	28	0	64	0	0	0	0	0	12	0	0	0	2	4	0	34	36	0	70
5	Morelet's Crocodile - <i>Crocodylus moreletii</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
6a	Green Iguana - <i>Iguana iguana</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	2
6b	Red Iguana - <i>Iguana iguana</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
7	Common Krait - <i>Bungarus caeruleus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
8	Common Sand boa - <i>Gongylophis conicus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
9	Common Wolf Snake - <i>Lycodon aulicus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
10	Indian Black Turtle/ Pond Terrapin - <i>Melanochelys trijuga</i>	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	3	3	0	6
11	Brown Roofed turtle - <i>Pangshura smithii</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
12	Hermann's tortoise - <i>Testudo hermanni</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>87</b>	<b>143</b>	<b>6</b>	<b>236</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>53</b>	<b>0</b>	<b>61</b>	<b>107</b>	<b>8</b>	<b>176</b>

\* Red eared slider sex changed

## Birds

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Peach faced Love Birds - <i>Agapornis roseicollis</i>	0	0	5	5	0	0	2	0	0	0	0	0	0	2	1	1	0	0	3	3
2	Cockatiels - <i>Nymphicus hollandicus</i>	15	21	5	41	0	0	5	0	0	0	0	0	0	1	1	0	14	20	10	44
3	Black crowned Night Heron - <i>Nycticorax nycticorax</i>	15	30	4	49	0	0	0	0	0	0	0	0	0	0	0	0	15	30	4	49
4	Black-headed Ibis - <i>Threskiornis melanocephalus</i>	2	5	0	7	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	7
5	Budgeriger - <i>Melopsittacus undulatus</i>	48	45	10	103	0	0	0	0	0	0	0	0	6	5	0	42	40	10	92	
6	Black Headed Munia - <i>Lonchura punctuelata</i>	3	3	0	6	0	0	0	0	0	0	0	0	3	1	0	0	2	0	2	
7	Barn Owl - <i>Tyto alba</i>	0	0	3	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2
8	Eurasian Eagle Owl - <i>Bubo bubo</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
9	Red Jungle Fowl - <i>Gallus gallus</i>	6	4	0	10	0	0	0	0	0	0	0	0	2	1	0	4	3	0	7	
10	Grey Jungle Fowl - <i>Gallus sonneratii</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
11	Alexandrine Parakeet - <i>Psittacula euparia</i>	3	3	0	6	0	0	0	0	0	0	0	0	1	1	0	2	2	0	4	
12	Rose ring Parakeet - <i>Psittacula krameri</i>	17	5	0	22	0	0	2	1	0	0	0	0	2	0	0	16	5	2	23	
13	Grey Pelican - <i>Pelecanus philippensis</i>	6	4	10	20	0	0	0	0	0	0	0	0	0	0	0	6	4	10	20	
14	Painted Stork - <i>Mycteria leucocephala</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	
15	Yellow Golden Pheasant - <i>Chrysolophus pictus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
16	Emu - <i>Dromaius novaehollandiae</i>	4	3	0	7	0	0	0	0	0	0	0	0	0	0	0	4	3	0	7	
17	Lady Amherst's Pheasant - <i>Chrysolophus amherstiae</i>	5	3	0	8	0	0	0	0	0	0	0	0	2	0	0	3	3	0	6	
18	Ostrich - <i>Struthio camelus</i>	2	2	0	4	0	0	0	0	0	0	0	0	2	0	0	2	2	0	4	
19	Black swan - <i>Cygnus atratus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
20	Silver Pheasant - <i>Lophura nycthemera</i>	7	8	0	15	0	0	0	0	0	0	0	0	0	0	0	7	8	0	15	
21	Green Winged Macaws - <i>Ara chloropterus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
22	Rhea - <i>Rhea americana</i>	2	0	1	3	0	0	0	0	0	0	0	0	0	0	0	2	0	1	3	
23	Orange winged Amazon Parrot - <i>Amazona amazonica</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	
24	African grey parrot - <i>Psittacus erithacus</i>	3	2	0	5	0	0	0	0	1	0	0	0	0	0	0	3	2	1	6	
25	Sun Conure - <i>Aratinga solstitialis</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5	
26	Jandaya Conure - <i>Aratinga jandaya</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
27a	Yellow-sided green cheeked conure - <i>Phrrhura molinae</i>	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
27b	Pineapple conure - <i>Phrrhura molinae</i>	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	2	2
28	Black Crowned Crane - <i>Balearica pavonina</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4	4
29	Blue Gold Macaws - <i>Ara ararauna</i>	1	1	5	7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	7	0	0	0
30	Palm Cockatoo - <i>Probosciger aterrimus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
31	Electus Parrot - <i>Electus roratus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
32	Sulphur Crested Cockatoo - <i>Cacatua galerita</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
33	Scarlet Macaw - <i>Ara macao</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
34	Galah Parrot - <i>Eolophus roseicapilla</i>	1	2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	4	0	0	0
35	Mottled wood owl - <i>Strix ocellata</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
36	Rainbow Lorikeet - <i>Trichoglossus moluccanus</i>	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	0	0	0
37	Red Lory - <i>Eos bornea</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
38	Western Crowned pigeons - <i>Goura cristata</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
39	Black Kite - <i>Milvus migrans</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
40	Lesser whistling teal - <i>Dendrocygna javanica</i>	1	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	0	0	0
41	Brahminy Kite - <i>Haliastur indus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
42	Common Quail - <i>Coturnix coturnix indus</i>	0	0	9	9	0	0	0	0	0	0	0	0	0	0	1	0	5	3	0	8	0	0	0
43	Zebra finch - <i>Taeniopygia guttata</i>	0	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0
<b>Total</b>		<b>144</b>	<b>152</b>	<b>99</b>	<b>395</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>26</b>	<b>1</b>	<b>135</b>	<b>136</b>	<b>97</b>	<b>368</b>	<b>0</b>	<b>0</b>	<b>0</b>

\*Rhea sex changed

\*Peach faced Lovebirds sex changed

### Mammals Lion and Tiger Safari

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
1a	Royal Bengal Tiger - <i>Panthera tigris tigris</i>	13	6	0	19	0	0	0	2	0	0	0	0	0	3	2	0	12	4	0	16	0	0	0
1b	Royal Bengal Tiger(White) - <i>Panthera tigris tigris</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	2
2	Asiatic Lion - <i>Panthera leo persica</i>	1	1	0	2	0	0	3	2	0	0	0	0	0	0	0	0	1	1	0	2	0	0	2
<b>Total</b>		<b>14</b>	<b>9</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>13</b>	<b>7</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Other Schedule Exotic species</b>																								
1	Lion (Hybrid) - <i>Panthera leo</i>	13	8	0	21	0	4	0	0	0	0	4	1	0	0	2	0	10	11	0	21	0	0	0
<b>Total</b>		<b>13</b>	<b>8</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>11</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>0</b>



## Elephant Care Center

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Indian Elephant - <i>Elephas maximus indicus</i>	10	14	0	24	1	2	0	0	0	0	0	1	0	0	1	0	11	14	0	25
	<b>Total</b>	<b>10</b>	<b>14</b>	<b>0</b>	<b>24</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>14</b>	<b>0</b>	<b>25</b>

## Herbivore Safari Mammals

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
<b>Schedule I and II</b>																					
1	Black Buck - <i>Antelope cervicapra</i>	5	2	0	7	0	0	0	0	0	0	0	0	0	2	0	0	5	10	0	15
2	Gaur or Indian Bison - <i>Bos gaurus</i>	4	5	0	9	0	0	1	0	0	0	0	0	0	0	0	0	4	5	1	10
	<b>Total</b>	<b>9</b>	<b>7</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>15</b>	<b>1</b>	<b>25</b>

## Other Schedule Exotic species

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Chital or Spotted Deer - <i>Axis axis</i>	295	353	0	648	0	0	0	0	0	0	0	0	0	8	13	0	407	522	0	929
2	Barking Deer - <i>Muntiacus muntjak</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5
3	Sambar - <i>Rusa unicolor</i>	141	160	0	301	0	0	0	0	0	0	0	0	0	7	9	0	126	138	0	264
4	Nilgai or Blue Bull - <i>Boselaphus tragocamelus</i>	4	5	0	9	0	0	0	0	0	0	0	0	0	0	1	0	4	4	0	8
5	Hog Deer - <i>Axis porcinus</i>	3	13	0	16	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	12
	<b>Total</b>	<b>445</b>	<b>534</b>	<b>0</b>	<b>979</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>23</b>	<b>0</b>	<b>541</b>	<b>677</b>	<b>0</b>	<b>1218</b>

## Mammals Bear Safari

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2021			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Sloth Bear - <i>Melursus ursinus</i>	29	47	0	76	0	0	0	0	0	0	0	0	0	3	2	0	26	45	0	71
	<b>Total</b>	<b>29</b>	<b>47</b>	<b>0</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>26</b>	<b>45</b>	<b>0</b>	<b>71</b>

## 25 Mortality report

### Mortality report of animals at Bannerghatta Biological Park for the the year 2020-21

	Species of animal	Nos	Sex	Date	Reason for death
1	Tri carinate hill turtle	1	F	01.04.2020	Enteritis
2	Elephant	1	F	03.04.2020	Colic
3	River terrapin	1	F	04.04.2020	Pneumonia
4	Zebra	1	M	12.04.2020	Klebsiella Pneumonia
5	Monitor lizard	1	F	12.04.2020	Asphyxia/ Anemia weakness
6	Budgerigar	1	F	15.04.2020	Coccidia
7	Star tortoise	1	M	21.04.2020	Pneumonia
8	Tri carinate hill turtle	1	M	22.04.2020	Enteritis
9	Hog deer	1	M	26.04.2020	Infighting injury
10	Tiger Jawara	1	M	26.04.2020	Senility/ Multi organ failure
11	Assamese macaque	1	F	27.04.2020	Dystocia
12	Lady Amherest's Pheasant	1	F	27.04.2020	Trauma
13	Sloth bear	1	F	26.03.2020	Severe Traumatic injury & hypovolemic shock
14	Tri carinate hill turtle	2	M:F	02.05.2020	Pneumonia
15	Star tortoise	1	F	02.05.2020	Necrotic Enteritis
16	Jungle cat	1	M	04.05.2020	Mange related to senility
17	Leopard Niranjana	1	M	06.05.2020	Hepatic cyst
18	Silver Pheasant	1	F	07.05.2020	Infighting injury
19	Star tortoise	1	F	16.05.2020	Enteritis
20	Sloth bear Balu	1	M	20.05.2020	Multi organ failure
21	Common Quail	1	F	23.05.2020	Infighting injury
22	Love bird	1	M	28.05.2020	Predation
23	Lioness Preksha	1	F	30.05.2020	Senility/ Septicemia
24	Silver Pheasant	1	F	31.05.2020	Senility
25	Sloth bear	1	F	03.06.2020	Tuberculosis
26	Black headed ibis	1	M	04.06.2020	Senility
27	Tricarinate hill turtle	1	M	06.06.2020	Pneumonia
28	Star Tortoise	1	M	06.06.2020	Enteritis
29	Barking deer	1	M	08.06.2020	Aspiratory Pneumonia
30	Budgerigar	1	M	09.06.2020	Coccidia
31	Budgerigar	2	M:F	10.06.2020	Coccidia
32	Star Tortoise	1	F	11.06.2020	Enteritis

33	Blackbuck	1	M	11.06.2020	Traumatic shock
34	Iguana	1	M	15.06.2020	Verminous Pneumonia
35	Blackbuck	1	F	15.06.2020	Trauma
36	Tiger Vishnu	1	M	16.06.2020	Renal failure
37	Budgerigar	1	F	17.06.2020	Coccidia
38	Budgerigar	1	M	18.06.2020	Coccidia
39	Tricarinate hill turtle	1	F	21.06.2020	Pneumonia
40	Star Tortoise	1	F	26.06.2020	Enteritis
41	Budgerigar	1	M	26.06.2020	Coccidia
42	Tricarinate hill turtle	1	F	29.06.2020	Pneumonia
43	Jungle cat	1	M	01.07.2020	Scabies
44	Star tortoise	1	M	03.07.2020	Pneumonia
45	Jungle cat	1	F	06.07.2020	Scabies
46	Budgerigar	1	M	11.07.2020	Infighting injury
47	Barking deer	1	M	12.07.2020	Infighting injury
48	Budgerigar	1	F	14.07.2020	Septicemia
49	Peafowl	1	F	14.07.2020	Egg bound condition
50	Barking deer	1	M	16.07.2020	Anorexia/ Infighting injury
51	Blackbuck	1	F	17.07.2020	Dystocia
52	Barking deer	1	M	19.07.2020	Infighting injury
53	Budgerigar	1	M	22.07.2020	Infighting injury
54	Budgerigar	1	F	27.07.2020	Traumatic shock
55	Spotted deer	1	M	02.08.2020	Traumatic shock
56	White Stork	1	M	02.08.2020	Senility
57	Barking deer	1	M	05.08.2020	Traumatic shock
58	Spotted deer	1	M	07.08.2020	Traumatic shock
59	Star tortoise	1	M	08.08.2020	Enteritis
60	Budgerigar	2	M+F	12.08.2020	Predator attack
61	Thamin deer	1	M	12.08.2020	Septicemia
62	Star tortoise	1	M	15.08.2020	Enteritis
63	Sambar deer (HS)	1	M	16.08.2020	Pneumonia/ Myocarditis
64	Star tortoise	1	F	17.08.2020	Enteritis
65	Spotted deer	1	M	17.08.2020	Traumatic shock
66	Sand boa	1	M	19.08.2020	Anorexia
67	Spotted deer (HS)	1	M	19.08.2020	Cold shock, Hypothermia & Hypoglycemia
68	Budgerigar	1	M	21.08.2020	Predator attack
69	Spotted deer (HS)	1	F	22.08.2020	Cold shock, Hypothermia & Hypoglycemia

	Species of animal	Nos	Sex	Date	Reason for death
70	Budgerigar	2	M	23.08.2020	Predator attack
71	Spotted deer (HS)	2	M+F	27.08.2020	Cold shock, Hypothermia & Hypoglycemia
72	Sambar deer (HS)	1	M	27.08.2020	Cold shock, Hypothermia & Hypoglycemia
73	Sloth bear (SOS)	1	M	27.08.2020	Enteritis & Renal failure
74	Budgerigar	1	F	27.08.2020	Predator attack
75	Blackbuck	1	F	28.08.2020	Traumatic shock
76	Blackbuck	2	M+F	29.08.2020	Traumatic shock
77	Spotted deer (HS)	1	F	29.08.2020	Cold shock, Hypothermia & Hypoglycemia
78	Sambar deer (HS)	1	F	29.08.2020	Cold shock, Hypothermia & Hypoglycemia
79	Rose-ring parakeet	1	F	30.08.2020	Septicemia
80	Spotted deer (HS)	2	M	30.08.2020	Cold shock, Hypothermia & Hypoglycemia
81	Blackbuck	3	F	31.08.2020	Traumatic shock
82	Blackbuck	1	F	01.09.2020	Hypothermia & Hypoglycemia
83	Sambar deer (HS)	1	M	02.09.2020	Anemia, Pneumonia/ Myocarditis
84	Blackbuck	4	3M:1F	02.09.2020	Hypothermia & Hypoglycemia
85	Sambar deer (HS)	2	F	03.09.2020	Anemia, Pneumonia/ Myocarditis
86	Spotted deer (HS)	1	F	03.09.2020	Anemia, Pneumonia/ Myocarditis
87	Love bird	1	F	05.09.2020	Egg bound condition
88	Spotted deer (HS)	1	M	06.09.2020	Anemia, Pneumonia/ Myocarditis
89	Blackbuck (HS)	1	M	06.09.2020	Anemia, Pneumonia/ Myocarditis
90	Sambar deer (HS)	1	M	06.09.2020	Anemia, Pneumonia/ Myocarditis
91	Blackbuck (HS)	1	M	07.09.2020	Anemia, Pneumonia/ Myocarditis
92	Sambar deer (HS)	1	M	07.09.2020	Anemia, Pneumonia/ Myocarditis
93	Spotted deer (HS)	2	F	09.09.2020	Anemia, Pneumonia/ Myocarditis
94	Sambar deer (HS)	1	M	09.09.2020	Anemia, Pneumonia/ Myocarditis
95	Star tortoise	1	M	10.09.2020	Pneumonia
96	Spotted deer (HS)	1	F	11.09.2020	Anemia, Pneumonia/ Myocarditis
97	Star tortoise	1	1M	12.09.2020	Cold shock
98	Sambar deer (HS)	1	F	14.09.2020	Anemia, Pneumonia/ Myocarditis
99	Spotted deer (HS)	1	F	14.09.2020	Anemia, Pneumonia/ Myocarditis
100	Star tortoise	1	F	16.09.2020	Pneumonia/ Septicemia
101	Tri carinate hill turtle	1	M	17.09.2020	Pneumonia
102	Spotted deer (HS)	1	M	18.09.2020	Anemia, Pneumonia/ Myocarditis

	Species of animal	Nos	Sex	Date	Reason for death
103	Tri carinate hill turtle	1	F	19.09.2020	Anorexia/ Septicemia
104	Star tortoise	1	F	20.09.2020	Pneumonia
105	Star tortoise	3	F	21.09.2020	Enteritis
106	Spotted deer	1	F	22.09.2020	Traumatic shock
107	Star tortoise	1	F	23.09.2020	Cold shock
108	Spotted deer	2	F	23.09.2020	Traumatic shock
109	Golden jackal	1	F	23.09.2020	Hepatitis
110	Love bird	1	M	24.09.2020	Anorexia/ Pneumonia
111	Spotted deer	2	M:F	24.09.2020	Traumatic shock
112	Rainbow lorikeet	1	M	24.09.2020	Traumatic shock
113	Star tortoise	1	F	26.09.2020	Anorexia/ Enteritis
114	Sloth bear (SOS)	1	M	27.09.2020	Cardio vascular diseases
115	Spotted deer (HS)	1	F	27.09.2020	Anemia, Pneumonia/ Myocarditis
116	Sambar deer (HS)	1	M	27.09.2020	Anemia, Pneumonia/ Myocarditis
117	Tigress Smitha	1	F	27.09.2020	Suffocation and Strangulation
118	Leopard Apsara	1	F	28.09.2020	Renal failure
119	Star tortoise	1	M	28.09.2020	Cold shock
120	Porcupine	1	F	28.09.2020	Uterine prolapse
121	Star tortoise	1	F	30.09.2020	Septicemia/ Cold shock
122	Star tortoise	1	F	01.10.2020	Enteritis
123	Star tortoise	2	F	02.10.2020	Enteritis
124	Budgerigar	1	F	02.10.2020	Predation by rodent
125	Tri carinate hill turtle	1	F	03.10.2020	Hypothermia
126	Leopard Kiran	1	M	04.10.2020	Septicemia
127	Jungle cat	1	M	06.10.2020	Mange & Anemia
128	Spotted deer	1	F	07.10.2020	Dystocia
129	Spotted deer	2	F	08.10.2020	Enteritis
130	Budgerigar	3	2M:F	10.10.2020	Predation by rodent
131	Spotted deer	1	F	10.10.2020	Enteritis
132	Star tortoise	1	F	11.10.2020	Enteritis
133	Tri carinate hill turtle	1	F	11.10.2020	Hypothermia
134	Tri carinate hill turtle	1	M	12.10.2020	Autolysed
135	Tri carinate hill turtle	1	F	14.10.2020	Hypothermia
136	Budgerigar	2	F	16.10.2020	Predation by rodent
137	Jungle cat	1	M	18.10.2020	Mange & Anemia
138	Spotted deer	1	M	19.10.2020	Traumatic shock
139	Star tortoise	1	M	16.10.2020	Enteritis
140	Budgerigar	1	F	18.10.2020	Predation by rodent

Mortality report

	Species of animal	Nos	Sex	Date	Reason for death
141	Budgerigar	2	M	24.10.2020	Predation by rodent
142	Budgerigar	1	F	25.10.2020	Predation by rodent
143	Star tortoise	1	M	28.10.2020	Enteritis/ Pneumonia
144	Star tortoise	3	F	30.10.2020	Enteritis
145	Jungle cat	1	M	30.10.2020	Mange & Anemia
146	Barn Owl	1	M	05.11.2020	Pneumonia
147	Sambar deer (HS	1	F	04.11.2020	Theileriosis
148	)Nilgai (HS)	1	F	04.11.2020	Dystocia
149	Star tortoise	1	F	05.11.2020	Enteritis
150	Sambar deer (HS)	1	F	11.11.2020	Theileriosis
151	Star tortoise	3	M:2F	11.11.2020	Enteritis
152	Star tortoise	1	M	12.11.2020	Pneumonia
153	Spotted deer (HS)	1	F	12.11.2020	Theileriosis
154	Star tortoise	1	M	16.11.2020	Hypothermia
155	Hog deer	1	M	18.11.2020	Trauma & Septicemia
156	Star tortoise	2	M:F	18.11.2020	Hypothermia
157	Star tortoise	1	F	20.11.2020	Hypothermia
158	Star tortoise	1	F	21.11.2020	Enteritis
159	Star tortoise	2	M:F	24.11.2020	Enteritis
160	Star tortoise	1	M	27.11.2020	Enteritis
161	Spotted deer (HS)	1	M	27.11.2020	Theileriosis
162	Star tortoise	1	M	29.11.2020	Hypothermia
163	Star tortoise	1	F	30.11.2020	Hypothermia
164	Star tortoise	1	F	12.01.2020	Pneumonia
165	Star tortoise	2	M:F	12.02.2020	Enteritis
166	Tricarinate hill turtle	1	M	12.07.2020	Enteritis
167	Black headed munia	1	F	12.07.2020	Egg bound condition
168	Star tortoise	1	F	12.09.2020	Enteritis
169	Star tortoise	1	M	12.11.2020	Pneumonia
170	Star tortoise	1	F	12.12.2020	Pneumonia
171	Hanuman langur	1	M	14.12.2020	Hepatitis
172	Star tortoise	2	M:F	16.12.2020	Pneumonia
173	Star tortoise	2	M:F	20.12.2020	Enteritis
174	Star tortoise	1	F	21.12.2020	Enteritis
175	Alexandrine parakeet	1	F	22.12.2020	Predation
176	Caiman crocodile	1	F	02.12.2020	Pneumonia
177	Black headed munia	1	F	25.12.2020	Egg bound condition
178	Star tortoise	1	F	27.12.2020	Enteritis

	Species of animal	Nos	Sex	Date	Reason for death
179	Star tortoise	1	F	28.12.2020	Enteritis
180	Sambar deer (HS)	1	F	30.12.2020	Trauma & Septicemia
181	Spotted deer (HS)	1	F	03.01.2021	Predated by Leopard
182	Star tortoise	1	F	04.01.2021	Trauma
183	Leopard	1	F	06.01.2021	Traumatic shock
184	Red iguana	1	M	06.01.2021	Predation by Monitor lizard
185	Star tortoise	1	F	08.01.2021	Enteritis
186	Red-eared slider	1	F	08.01.2021	Shell Infection
187	Star tortoise	1	F	10.01.2021	Multi-organ failure
188	Spotted deer (HS)	1	F	13.01.2021	Dystocia
189	Star tortoise	1	F	16.01.2021	Senility
190	Spotted deer (HS)	1	M	17.01.2021	Predated by Leopard
191	Pineapple conure	1	F	19.01.2021	Predation by rodent
192	Star tortoise	1	F	20.01.2021	Enteritis
193	Sambar deer (HS)	1	F	20.01.2021	Predated by Leopard
194	Spotted deer (HS)	1	F	23.01.2021	Predated by Leopard
195	Eagle owl	1	F	24.01.2021	Enteritis
196	Star tortoise	1	F	25.01.2021	Enteritis
197	Toddy cat	1	F	25.01.2021	Clostridial infection
198	Tricarinate hill turtle	1	M	26.01.2021	Shell Infection
199	Star tortoise	2	M:F	26.01.2021	Enteritis
200	Star tortoise	1	M	27.01.2021	Pneumonia
201	Circus lioness Abhilasha	1	F	27.01.2021	Lung carcinoma
202	Caiman crocodile	1	F	28.01.2021	Pneumonia & Seniity
203	Star tortoise	1	M	29.01.2021	Pneumonia
204	Tricarinate hill turtle	1	F	03.02.2021	Trauma/ Septicemia
205	Star tortoise	1	F	04.02.2021	Enteritis
206	Red-eared slider	1	M	04.02.2021	Shell Infection
207	Star tortoise	2	M+F	06.02.2021	Pneumonia
208	Star tortoise	1	M	11.02.2021	Enteritis
209	Red-eared slider	2	M+F	15.02.2021	Shell Infection
210	Red-eared slider	1	F	21.02.2021	Shell Infection
211	Hog deer	1	M	22.02.2021	Traumatic shock
212	Peafowl	1	F	25.02.2021	Helminthiasis
213	Red-eared slider	1	F	25.02.2021	Shell Infection
214	Hog deer	1	F	26.02.2021	Traumatic shock
215	Hamadryas Baboon	1	F	28.02.2021	Senility/ Multi-organ failure
216	Striped Hyena Megha	1	F	03.03.2021	Myocardial infarction

## Natality report for the year 2020-21

	Species of animal	Nos	Sex	Date	Reason for death
217	Wild Dog	1	F	03.04.2021	Capture Myopathy/ Shock
218	White Peacock	1	M	03.04.2021	Senility
219	Royal Bengal Tiger Raja	1	M	03.06.2021	Chronic renal failure
220	Caiman	1	M	03.11.2021	Pneumonia/ Senility
221	Tricarinate Hill Turtle	1	M	03.12.2021	Helminthiasis
222	Thamin Deer	1	M	03.12.2021	Infighting
223	Tricarinate Hill Turtle	1	F	15.03.2021	Helminthiasis
224	Rose-ring parakeet	1	F	16.03.2021	Predator attack
225	Royal Bengal Tigeress	1	F	17.03.2021	Multi-ogan failure/ Senility
226	Jandaya Conure	1	F	26.03.2021	Cataract
227	Star Tortoise	1	F	29.03.2021	Enteritis

### Infant Mortality/Neo-natal death report of animals at Bannerghatta Biological Park for the year 2020-21

1	Sambar deer fawn (HS)	1	F	29.08.2020	Cold shock, Hypothermia & Hypoglycemia
2	Love bird chick	1	U	28.10.2020	Verminous Enteritis
3	River Terrapin Hatchling	1	U	01.11.2020	Enteritis
4	Leopard cubs	2	U	25.01.2021	Cannibalism by mother
5	Leopard cub	1	U	26.01.2021	Cannibalism by mother
6	Hog deer fawn	2	M	25.02.2021	Traumatic shock
7	Lion cub	1	F	03.08.2021	Rhinotracheitis
8	Indian Grey Wolf pup	1	F	03.12.2021	Dehydration & Anorexia

	Species	Sex			Total	Date
		M	F	U		
1	Lioness Saniya cubs	0	0	3	3	22.04.2020
2	Rainbow lorikeet chick	0	0	1	1	19.02.2020
3	Porcupette	0	0	1	1	14.05.2020
4	Rhesus macaque infant	1	0	0	1	19.05.2020
5	Pig-tailed Macaque	0	0	1	1	01.06.2020
6	Lioness Sana cubs	0	1	0	1	03.06.2020
7	Rhesus macaque infant	0	0	1	1	02.07.2020
8	Hippopotamus calf	0	0	1	1	27.07.2020
9	Peach faced lovebird chicks	0	0	2	2	03.07.2020
10	Rainbow lorikeet chick	0	0	1	1	13.07.2020
11	Elephant Roopa calf	1	0	0	1	01.08.2020
12	Elephant Suvarna calf	0	1	0	1	17.08.2020
13	Leopard Madhuri cub	1	0	0	1	27.02.2020
14	Nilgai calves	0	0	2	2	24.09.2020
15	Zebra foal	0	1	0	1	27.09.2020
16	Sun conure chick	0	0	1	1	02.09.2020
17	Sun conure chick	0	0	1	1	05.09.2020
18	Sun conure chick	0	0	1	1	08.09.2020
19	Thamin deer fawn	0	0	1	1	11.11.2020
20	Nilgai calves	0	0	2	2	14.11.2020
21	Thamin deer fawn	0	0	1	1	16.11.2020
22	Blackbuck fawn	0	0	1	1	17.11.2020
23	Blackbuck fawn	0	0	1	1	20.11.2020
24	Thamin deer fawn	0	0	1	1	20.11.2020
25	Hog deer	0	0	1	1	17.12.2020
26	Elephant Veda calf	0	1	0	1	13.01.2021
27	Lioness Sana cubs	0	3	0	3	5.01.2021
28	Wild Leopard cubs	0	0	3	3	22.01.2021
29	Gaur calf	0	0	1	1	18.12.2020
30	Indian Grey Wolf pups	0	0	6	6	11.01.2021
31	Rainbow lorikeet chick	0	0	1	1	25.01.2021
32	Thamin deer foal	0	0	1	1	18.02.2021
33	Pelican Chick	0	0	1	1	05.02.2021
34	Pelican Chick	0	0	1	1	60.02.2021
35	Pelican Chick	0	0	1	1	08.02.2021
36	Pelican Chick	0	0	1	1	18.02.2021
37	Blackbuck fawn	0	0	1	1	21.03.2021



## 26 Animal exchange programme

### Aquisition

	Species	Sex			Total	Date
		M	F	U		
1	Leopard (Tumkur range)	0	1	0	1	13.04.2020
2	Leopard (Tumkur range)	0	1	0	1	16.04.2020
3	Giraffe (Mysore zoo)	1	0	0	1	24.04.2020
4	Lion tailed macaque (Mysore zoo)	1	0	0	1	24.04.2020
5	Royal Bengal Tiger (Nagarhole Tiger Reserve)	1	0	0	1	27.05.2020
6	Leopard (Magadi Range)	1	0	0	1	27.05.2020
7	Pond Terrapin (Received from public)	1	2	0	3	29.05.2020
8	Flap Shel turtle	0	0	1	1	03.06.2020
9	Leopard (Nelamangala range)	1	0	0	1	12.06.2020
10	Brown roofed Turtle	0	0	1	1	29.06.2020
11	Red-eared Slider (Confiscate-Kengeri)	0	0	12	12	10.07.2020
12	Sun conure (R.R nagar)	1	0	0	1	25.07.2020
13	Pond terrapin	1	0	0	1	04.09.2020
14	Royal Bengal Tiger (Bandipur Tiger Reserve)	1	0	0	1	08.09.2020
15	Pond Terrapin (Bannerghatta)	1	0	0	1	01.10.2020
16	Jandaya Conure (HSR layout)	0	1	0	1	25.10.2020
17	Jandaya Conure (Malleshwaram)	1	0	0	1	26.10.2020
18	Star Tortoise (Rescued by PFA)	3	2	0	5	03.11.2020
19	Leopard (Tumkur range)	1	0	0	1	16.12.2020
20	Leopard (Chamundi hills, Mysore division)	0	1	0	1	28.12.2020
21a	Yellow-sided Green cheeked conure (Directorate of Revenue Intelligence, Bangalore zonal unit)	0	0	2	2	16.12.2020
21b	Pineapple conure (Directorate of Revenue Intelligence, Bangalore zonal unit)	0	0	2	2	16.12.2020
22	Leopard (Kunigal range, Tumkur division)	0	1	0	1	20.01.2021
23	Pond terrapin	0	1	0	1	21.01.2021
24	Leopard (Begur Village)	1	0	0	1	01.02.2021
25	Hermann's Tortoise (Superintendent of Customs, Air Cargo Complex, Bengaluru)	0	0	1	1	20.03.2021

### Disposal

	Species	Sex			Total	Date
		M	F	U		
1	Elephant Bhavani	0	1	0	1	09.11.2020
2	Lion Nakula	1	0	0	1	24.02.2021
3	Lion Krishna	1	0	0	1	24.02.2021
4	Lioness Nirupama	0	1	0	1	24.02.2021
5	Lion Dharma	1	0	0	1	18.03.2021
6	Lion Arjuna	1	0	0	1	18.03.2021

- \* Elephant disposed to Sri Chamarajendra Zoological Garden
- \* Lions disposed to Kittur Rani Chennamma Mini Zoo, Belgaum
- \* Lions disposed to Children Park-Small Zoo, Binkadakatti, Gadag under animal exchange program



## 27 Rescue & Rehabilitation of the wild animals carried out by the zoo

Team of Veterinarians, comprising of Dr.Umashankar K S who have been working as field veterinarian since 2010 and Dr.Ramesha Huliya who has been working as Veterinary Officer since 2018 has been supporting Karnataka Forest Department in rescue and housing animals rescued from human-animal conflict, snare traps and road accidents.

	Date of Rescue	Species with number of animals rescued with their sex(M: F: U: T)	Received from	Action taken	
				Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	05/04/2020	Male Indian Gaur	Maralvadi, Kanakapura Taluk, Ramanagara District		Animal was found injured, hence shifted to safari area. Died on 07/04/2020
2	06/04/2020	Male Leopard	Suryavada, Ramanagara District	Animal was found in the village premises. Released back to wild on same day	
3	13/04/2020	Female Leopard	Tumkur Range		Animal was trapped and handed over hence, shifted to Rescue Center
4	14/04/2020	Female Leopard	Kavanapura, Ramanagara District	Found inside a house. Released back to wild on same day	
5	16/04/2020	Female Leopard	Tumkur Range		Animal was trapped and handed over hence, shifted to Rescue Center
6	27/05/2020	Male Royal Bengal Tiger	Nagarahole Tiger Reserve		Reported as man-eater. Animal had only one canine hence shifted to Rescue Center
7	27/05/2020	Male Leopard	Magadi Range		Animal was trapped and handed over hence, shifted to Rescue Center
8	12/06/2020	Male Leopard	Nelamangala Range		Animal was rescued from a snare, had two canines broken & injury on paw hence, shifted to Rescue Center
9	05/08/2020	Male Leopard	Doddaballapura, Bommanahalli	Rescued from a snare trap. Released back to wild on same day	
10	18/08/2020	Female Gaur calf	Kodihalli Range, Kanakapura Taluk, Ramanagara District		Animal was found injured, hence shifted to safari area. Died on 27/08/2021
11	19/08/2020	Female Sloth Bear	Kaduguppe, Ramanagara District	Rescued from a snare trap. Released back to wild on same day	
12	08/09/2020	Male Royal Bengal Tiger	Bandipur Tiger Reserve		Reported as cattle lifter. Animal had only one canine hence, shifted to Rescue Center
13	14/09/2020	Female Leopard	Venkatapura, Kolar District	Rescued from a snare trap. Released back to wild on same day	
14	05/11/2020 & 06/11/2020	Male Elephant	Sangama, Kanakapura Taluk	Animal was found to be having tail injury, was treated on site and released.	
15	16/12/2020	Male Leopard	Tumkur Range		Animal was trapped and handed over hence, shifted to Rescue Center
16	28/12/2020	Female Leopard	Chamundi Hills, Mysore Division		Animal had hind limb paralysis due to accident. Hence, shifted to Rescue Center. Died on 06/01/2021
17	05/1/2021	Male Leopard	Chamundipura, Ramanagara District	Animal was found in the village premises. Released back to wild on same day	
18	20/01/2021	Female Leopard	Kunigal range, Tumkur Division		Animal was trapped and handed over hence, shifted to Rescue Center
19	29/01/2021	Male Leopard	Begur Village		Animal was found inside an apartment within city limits. Had two canines missing hence, shifted to Rescue Center





## 28 Compliance with conditions stipulated by the Central Zoo Authority

Sr. No	Norm No. under RZR, 2019	Condition	Time period to comply	Compliance
<b>1. General requirements</b>				
1.	10.1(6)	All the residential quarters including the Officer's quarters still has entry from zoo and reported is being shifted outside the zoo Tender process is initiated to for construction of the quarters outside the zoo premises. Veterinarians and night duty staff are still reportedly staying during the night hours on Bear Rescue Centre premises for ensuring the security and medical care of the rescued bears. The staff of hill view restaurant shall discontinue from staying in the premises. This practice should be discontinued. Entire residential colony should be separated from the zoo premises by a boundary wall with a minimum height of two meters from the ground level. entry to the residential colony should not be through the zoo premises.	Immediately	Tender was floated for construction of 24 nos of mahout quarters with estimated cost of Rs. 486.00 lakhs during March 2020. Due to Covid-19, the work could not be taken up. This will be initiated on availability of budget.
2.	10.1(7)	Drainage system in the zoo should be improved by way of contemplated commissioning of the underground drainage (UGD) and the sewage treatment plant (STP).	3 months	The UGD layout plan is ready for execution and will be started on availability of budget.
3.	10.1(9)	All-out effort should be made to prevent entry of dogs in the zoo premises as the same were seen during the visit.	Immediately	All the efforts have been made to prevent entry of dogs in the zoo premises. Necessary gates are placed at the critical places. Now there is no entry of dogs into zoo.
<b>3. Development and Planning</b>				
4.	10.3(1)	Submission of amended Master Plan of the zoo should be expedited	2 months	The amended Master Layout Plan has been cleared in 93rd Meeting of the Expert Group on Zoo Designing of Central Zoo Authority. The compliance to the observations made by the Committee were submitted on 23-09-2020. The copy of the amended Master Layout Plan is yet to be received from CZA.
5.	10.3(1) & 10.3(3)	The existing facility at Rescue Centre area should be handed over to the Wildlife SOS to use for rescued bears from Madaris or any source where other required facility viz medical, quarantine, post mortem facilities should be developed for long term use.	Immediately	Due to large number of wild animal-human conflict in Karnataka, we are housing 40 wild leopards, 3 sloth bears and 2 tigers in the Rescue center presently. We also have aged lions, tigers and bears from safari and zoo, where these animals are not fit for exhibition.

				<p>We also expect more leopards, tigers and sloth bears from the Karnataka Forest Department due to increasing wild animal - human conflicts. Therefore the existing facility of Rescue center will be efficiently utilized for rescued animals. Separate area has been identified near Rescue Center for construction of separate rescue center for rescued bears from Madaris, for which BBP has sought funds from government. Once this is made available, separate RC will be constructed for rescued bears.</p>
6.	10.3(7)	The Bears rescued at BRC from Madaris as well wild should be segregated and regular test for TB be undertaken.	Immediately	Action initiated.
7.	10.3(7)	The facility created for two Tigers from the Born Free, UK is no more now. Any Tigers that are rescued and brought to the BBP should be housed at Rescue Centre area. The facilities created by the CZA for circus animals should be formally hand over to the BBP, Govt. of Karnataka so that same is	Immediately	The facility created for 2 tigers from the Born Free, UK can be utilized for the Safari Tigers breeding purpose.
8.	10.3(7)	The Bears rescued from wild should be housed in different enclosure avoiding mixing with rescued from Madaris.	Immediately	Action have been taken to ensure the wild rescued bears are kept separately, away from the bears rescued from Madaris.
9.	10.3(8)	Irrespective of the varied agencies engaged by the Zoo Operator for administrative convenience, acceptance of any rescued wild animal into premises of the Bengaluru Bannerghatta Biological Park should be reported to the Chief Wildlife Warden of the State as per extant provisions. In the event of acceptance of rescued animal of endangered species, a copy of the Report should be submitted to the Central Zoo Authority.	Immediately	Noted
<b>4. Animal housing, display of animals and animal enclosures:</b>				
10.	10.4(1)	The night shelter of Bear Rescue Centre is visible from the visitor's route it should immediately be camouflaged by planting tall saplings of appropriate species. Alternatively, visitors route should be diverted before reaching Bear Rescue Centre.	Immediately	Action initiated.
11.	10.4(1) & 10.4(3)	In the Herbivore Safari, all the cement structures viz water howdy, feeding turf, resting shade should be camouflaged by appropriate natural materials. It should be ensured that such facilities are not very close to the visitors route.	Immediately	Action initiated.

12.	10.4(2)	The Pulling door, drainage, door locking system, plinth of cell etc, of night-house of under construction Leopard Safari should be done as directed during visit.	Immediately	Action has been initiated and will be attended on priority.
13.	10.4(2)	In case of Hippopotamus enclosure: ·Only one enclosure may be designated for viewing ·The enclosure walls may be camouflaged A sewage treatment plant may be set-up behind Hippopotamus enclosure.	Immediately	·Action initiated ·Walls are camouflaged with elephant grass It will be attended after pandemic decreases
14.	10.4(2)	The reptile section needs redesign keeping in view the following points. ·Viewing of each enclosure should be restricted to 25% of the perimeter ·Visitor circulation should be planned such that movement should be uni-directional Vegetation and live hedges shall be planted in the area	Immediately	Attended.  Attended designated path movement.  Necessary action initiated.
15.	10.4(2)	In case of Caiman enclosure ·Additional vegetation shall be added to the enclosure ·A designated viewing area should be demarcated ·Hedge should be planted along the fence Basking sites shall be created	Immediately	Attended. Attended. Planted. Attended.
16.	10.4(3)	Provision of rail barricade should be made in order to reduce damage by wild Elephants in Safari.	6 months	Four railway gates have been constructed
17.	10.4(6)	Adequate width for live hedge be kept and undertake enrichment of arena and cell with appropriate species in Giraffe enclosure and so for the other enclosures.	Immediately	Attended.
18.	10.4(6)	Suitable enrichment options in Avian enclosures should be provided in the from vegetation and perches.	Immediately	Attended.
19.	10.4(7)	In the Rescue Centre, appropriate screening of Tiger enclosures be carried out	Immediately	Screening of Tiger enclosures are placed in the Rescue Center.
20.	10.4(8)	Design of animal enclosures for endangered species either new or proposed for revamp/reconstruction as contemplated in the approved Master Plan should be taken up on priority and obtain approval from the CZA to execute their construction accordingly.	Immediately	Will be attended immediately after Covid-19 pandemic.

20.	10.4(8)	Design of animal enclosures for endangered species either new or proposed for revamp/reconstruction as contemplated in the approved Master Plan should be taken up on priority and obtain approval from the CZA to execute their construction accordingly.	Immediately	Will be attended immediately after Covid-19 pandemic.
21.	10.4(9)	The seating area near Herbivore enclosure should be hedged to mask the enclosures.	Immediately	Action will be taken.
<b>5. Upkeep and healthcare of animals:</b>				
22.	10.5(2) & 10.5(3)	Fodder should not be placed in one place in Herbivore Safari which deprives the young and weaker ones. Fodder should be placed at different sites. Should also hang some to the branches for browsers.	Immediately	Fodder is distributed in different areas to facilitate the young and weak animals to get access.
23.	10.5(5)	Use of turmeric powder as disinfectant may be encouraged instead of chemical disinfectants	Immediately	Action has been taken. Biodegradable environmental friendly disinfectants are being used and usage of chemical disinfectants has been stopped. Turmeric powder is also being used where ever required.
<b>9. Acquisition and breeding of animals :</b>				
24.	10.9(1) & 10.9(4)	Effort should be made to pair the existing female Giraffe	Immediately	Male Giraffe is paired with the existing female.
25.	10.9(11)	Irrespective of the varied agencies engaged by the Zoo Operator for administrative convenience, any release of captive animal from premises of the Bengaluru Bannerghatta Biological Park in to the wild should be as per norms specified by the Central Zoo Authority with requisite prior permission.	Immediately	Animals released into wild are as per the CZA norms.

# safari

Safari unit is an expedition to observe the free ranging captive wildlife in immersive, naturalistic exhibits in the midst of the natural forests of Bannerghatta and Ragihalli Reserve Forest. The Bengaluru Bannerghatta Biological Park is one of the pioneers in providing this facility to the visiting public. The safari is jointly managed and monitored by Karnataka State Tourism Development Corporation (KSTDC) and BBBP with a revenue sharing on a 50:50 basis between the two organizations. KSTDC focuses on sales, revenue collection and physical monitoring of the buses whereas BBBP fixes the fee for the visitors. The buses have a seating capacity of 30 / bus and in addition to this AC and Non AC Buses, AC and Non AC Jeeps and Xylo, Innova are also available to visitors, for safari rides in smaller groups.

The visitors are allowed inside the safari in the secured safari vehicles and have the thrill of wilderness by seeing them in the midst of the forest through keen and close observation. The route to the safari passes through the picturous hillock Mettubunde giving an opportunity to the visitors to have the inspiring and breathe holding panoramic view of the landscape of the broken chain of hillocks and valleys with lush green forests.



## Herbivore Safari:

This section was developed during 1970's but opened to public viewing during 2002. The entire area has been barricaded with stone wall along with the additional support of solar power fence. The vegetation in the safari is more favourable to the herbivore animals round the year as large number of fodder species like bamboo and Anogeissus intermitted with vast extent of foreshore area of the water bodies. The edible grass species such as sacharam, cymbogogon and heteropogon are commonly seen in the grass land and constitute as the main fodder. Few patches of shorea talura also found within the safari and serves as the standing shade for the animals. There are 5 water bodies found in the safari area namely, Deepankere, Chennamanakere, Gowdankunte, Seegadikunte and Gowdanakere. These water bodies are perennial and serve as the source of water for the animals during all the seasons. The animals found in the safari are Gaur, Sambar, Chital, Barking Deer, Black Buck, Hog Deer and Nilgai. The other animals naturally found in the safari are wild boar, porcupine, pangolin etc.,



## Bear Safari :

The Safari area is provided with peripheral open dry moat. The outer wall of the moat is embedded with stone slabs all around in order to prevent the sloth bear from escaping or to avoid trespassing of any other free ranging wildlife into the safari. This safari is also provided with animal housing facilities in 05 blocks namely Panchavati, Chitrakuta, Kishkinda, Dr. G.K.V Block and Jambava. There are totally around 100 animal holding rooms with a facility of kitchen.

The forest area is planned to be planted additionally with varieties of fruit yielding trees to create natural habitat for bears.

The facility created in the Bear Safari is managed in collaboration with Wildlife SOS to house and maintain bears rescued from Kalandars and human-animal conflict.

### Lion Safari:

6.00 Ha area has been surrounded by a tall chain link mesh with the height of around 15 feet has been erected. Further moat around the chain link mesh fence has been created to avoid the trespassing of any wild animals living in the area. The animal house is provided with 11 holding rooms and all the 11 holding rooms are provided with retrieval area for the day time rest. The identified groups of animals are allowed into safari on a rotational basis regularly for the benefit of visiting tourists.



### Tiger Safari:

The peripheral boundary has been created for all the 3 units by digging open moat and erecting chain link mesh fence. Indira Gandhi Tiger Safari has the facility of 11 holding rooms. The Appaiah Tiger Safari has the facilities of 02 animal housing complexes. Both animal houses together has 10 animal holding rooms. The White tiger safari has the facilities of 02 animal housing complexes. There are totally 08 animal holding rooms. All the holding houses are provided with basic facilities of water and sanitation. The identified animal groups are allowed into safari on a rotational basis regularly for the benefit of visiting tourists.

## 30 Elephant Care Centre

An area of 60Ha. supported with thick bamboo breaks and a water body called Seegekatte, intermitted with grasslands was proposed and approved in the Master Plan as "Elephant Care Centre". Out of the 60Ha area 49.50Ha area is enclosed with a secured railway barricade fencing with gates wherever necessary and this will serve as a habitat for the captive elephants in BBP. This is in adherence to the recommendation made by the CZA. A 0.65Ha emergency Corral is constructed within the enclosure to contain and separate the elephants for medical procedures and also as a musth corral. There are 25 elephants which are housed here in the Elephant Care Center and within the area of herbivore safari, an elephant weaning center has been established.

The elephants housed here enjoy a semi-captive management system where they are cared for by their respective mahouts and kavadis in the care centre during the day and are free ranging in the National Park area in the evening, where they can feed on natural fodder, socialize and mate with wild elephants which are free roaming in the adjoining National Park.



Safari Enclosure	Area Extent (Hectares)	Name of the forest	Year of establishment
1. Herbivore Safari	68.00	Bannerghatta Reserve Forest	Developed : 1970's, Opened to public: 2002
2. Bear Safari	20.00		2002
3. Lion Safari	6.00		1979
4. Tiger Safari	15.00		1987

## 31 Rescue Centre

The National Zoo Policy 1998, provides opportunity to all the zoos to function as rescue centre for orphaned, refused, rescued wild animals subject to the availability of appropriate housing and up keeping facilities. This Park has one of the Rescue Centers launched by the Government of India in the year 1999 under Central Zoo Authority for rehabilitation of rescued animals. The park has successfully established the Rescue Center over an area of 17.50 Ha within the Biological Park limits. The Rescue Centre established started functioning from December 2000 as an off-display area. The annual expenditure for the year 2020-21 was Rs.29.01 lakhs which is entirely met by the grants from Central Zoo Authority, New Delhi.

The Rescue Center has two wings, one each for Lions and Tigers. The lion block is called as L- block having 12 houses, each house consisting of 6 holding rooms connected to kraal of 1500 Sq m., where a total of 72 lions can be housed. Right opposite to the lion block another semicircular housing complex namely T-block of half the size of L-block has been constructed for housing tigers. There are 05 housing units in this block and each of the housing unit has 06 animal holding rooms connected to kraal of 1500 Sq.m, where a total of 30 tigers can be housed. Presently, 1 female lion rescued from circus is housed in this unit. Apart from these rescued leopards, tigers & sloth bears and aged animals from zoo & safari are also housed in this unit.

Rest of the center is planned to harbor different varieties of trees and plants to create natural surrounding like forest inside the center.

A Bear Rescue Centre, by using a part of the existing Bear Safari with the existing rescued animals has been established at Bannerghatta Biological Park, Bengaluru, with the collaboration of Wildlife SOS, New Delhi, for the benefit of the bears rescued from Khalandars, found stray, injured, orphaned, trapped & sick etc., (which also enables to rescue and rehabilitate more such bears). As on 31-3-2021, 71 (26 male & 45 female) rescued bears, are being accommodated in this rescue centre. The maintenance costs of all these Bears are directly met by Wildlife SOS, an NGO. Tigers rescued from various circuses in Europe is accommodated at Born Free Foundation (BFF), Bannerghatta Biological Park, Bengaluru. As on 31-3-2021, a wild male rescued tiger is accommodated in this unit. The maintenance cost of this animal for the year 2020-21 is met by BFF, an NGO

### Details of Rescued animals received and lodged in Rescue Center of Bannerghatta Biological Park during the month of April 2020 to March-2021

	Name of the animal	Name of the circus	Date of arrival	Animals at the start of the month			Animals born during the month			Animals received during the month			Animals died during the month			Balance of animals at the end of the month			
				M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1	Lion	Rajakamal Circus, Chikkamagalur	5thFeb, 2002	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
			Total	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0

	Name of the animal & Scientific name	Stock as on 01/04/2020				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2020			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Lion-Hybrid- <i>Panthera leo</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<b>Total</b>	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

## 32 Butterfly Park

The park was conceptualized as one integrated center that would support education, conservation and research activities with exclusive focus on butterflies as flagship ambassadors of conservation.

The Butterfly Park has the following major components :

- A Butterfly garden to sustain local butterfly population
- A Butterfly conservatory enclosed under polycarbonate roof
- Research and captive breeding laboratory
- A museum
- Multimedia center

The entire park has been established over an area 7.5 acres which has a butterfly trail of about 1km length. The “Butterfly Trail” established over a 5 acre garden leads visitors to an innovatively designed three dome structure housing the conservatory, museum and the multimedia center.



Oleander Hawk Moth  
(*Daphnis nerii*)



Rhinoceros Beetle  
(*Oryctes rhinoceros*)



Glow worm  
(*Lamprophorus tenebross*)



Milipede  
(*Eurymeresmus* spp.)



Centipede  
(*Scolopendra hardwickei*)



Praying Mantis  
(*Mantis religiosa*)

### INSECTARIUM

A new initiative of displaying insects was taken up as various species of insects are found around Butterfly Park. Accordingly, 8 to 10 locally available species of insects are exhibited currently in the insectarium to create awareness and educate students and general public.

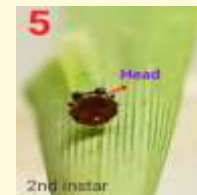


Whiptail Scorpion  
(*Labochrius tauricornis*)



Scorpion  
(*Heterometrus swammerdami*)

Dark Brand Bush Brown (*Mycalesis mineus*)





## 33 Animal Health Care

The zoo has a modern hospital headed by an Assistant Director (Veterinary Service) and supported by veterinary officer, 1 biologist and 2 supporting staff (labours). The hospital has an operation theatre (OT), X-ray facility, in-patient facility and store unit for medicines and equipment as well as a fully equipped ambulance for animal rescues. The Veterinarians have been active in training veterinary interns to get hands on experience and impart knowledge on the skills required to work effectively as a wildlife veterinarian.

The following equipments are available in the zoo hospital :

- ✓ Gaseous Anesthetic machine
- ✓ Autoclave
- ✓ Operation table
- ✓ X-ray unit, digital radiography & Other surgical equipments

The following equipments are available for restraining of animals :

- ✓ Dist inject projector and pistol
- ✓ Pneumatic projectors
- ✓ Blow pipe
- ✓ Hand syringe



Microscope Unit

### WILD ANIMAL DISEASE DIAGNOSTIC LAB, BANNERGHATTA - WADDL

BBP has a well equipped pathology laboratory namely Wild Animal Disease Diagnostic Laboratory (WADDL), a branch of IAH & VB headed by a scientist and lab technician. There is a post mortem room where all the carcasses of dead captive animals are subjected for postmortem and pathological investigation to determine the cause of death. After the postmortem, the carcasses are disposed by burning. A bio-medical waste disposal pit was constructed beside postmortem room to degrade and dispose medical (veterinary) wastes.

#### Activities in the WADD Lab

- Clinical Examination of Blood, Serum, Urine and Exudates from the Wild Animals
- Blood Examination : Hematology – parameters including WBC, RBC, Hb, PCV, DLC, Platelets, MCV, MCH and MCHC



Serology Unit

#### Aims & Objectives

- Large scale production of various biologicals for prophylaxis and diagnostic agents for speedy and prompt diagnosis of various livestock and poultry diseases. Produce 7 Bacterial Vaccines, 9 Viral vaccines and Diagnostic antigens.
- To provide prompt and effective diagnostic services for identification of disease problems with an aim to eradicate them.
- To adopt new technologies in the development of cost effective and efficient biologicals and diagnostic aids.
- To undertake in-depth study on animal disease epidemiology with emphasis on rural economy and cost benefits.
- Training of scientific and technical personnel of the recent advances in the technology of biological production and disease diagnosis and also to impart knowledge to the farmers in raising healthy animals and poultry.

Hematology Unit



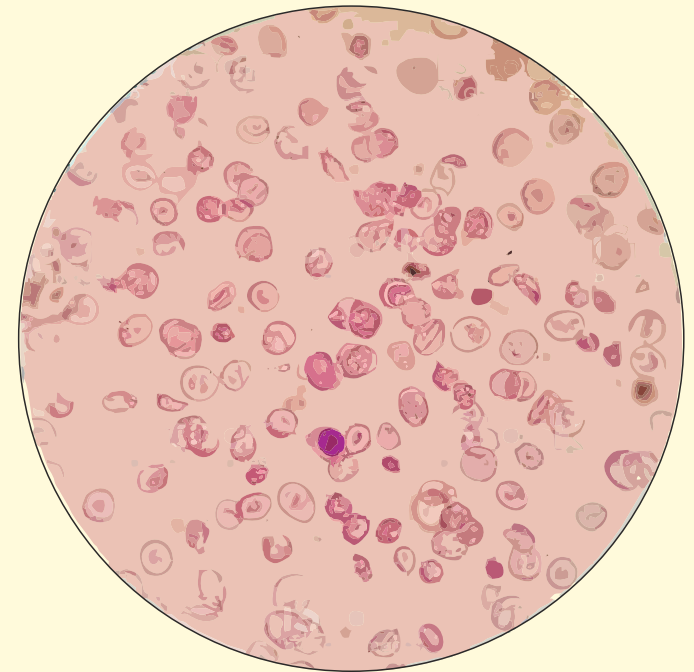
Urine analysis



PCR Unit



		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Hematology	4	27	11	2	7	59	5	8	7	9	17	26	182
2	Blood smears	4	27	6	2	7	59	5	8	9	9	17	26	178
3	Fecal samples	22	33	125	26	31	48	68	48	105	27	33	54	611
4	Impression Smears	19	13	31	26	31	33		11	18	34	23	28	267
5	Immunoserology			10										10
6	Histopathology	7	8	1	7	5	13	9	5	7	7	5		75
7	Serum chemistry	44	276	132	28	92	708	70	104	99	126	221	338	2238
8	Skin scrapings		2		2	4		3	1					12
9	Urine analysis	4	1	2	6		4		2			3		22
10	TB & JD testing										1			1
11	Fecal sample-AFB	5	14	8	22	20	31	14	5		27	21	20	187
12	Anti bioassay										1		2	3
13	Autopsies	6	32	29	23	22	31	18	11	25	26	21	21	265
14	Brain for Rabies													
15	FMD-Tong. Epith.	1												1
16	Brain for BSE													
17	AI - tracheal / cloacal/Envt swabs								4					4
18	Poisoning/ Toxicity					1								1
19	Milk sample					2								2
20	Nasal discharge	6	16	5	12	2	8	8	20	26	15	14		132
21	Miscellaneous/DNA /PCR/Veterolegal	122	449	360	156	225	989	219	227	319	281	375	514	<b>4191</b>



## 34 Coping with Pandemic

### Bio security in the Zoo and Disinfection protocol

Foot dips (fresh water mixed with potassium permanganate) are provided at the entrance, exit gates and in front of the zoo hospital.

The animal holding houses and passages are cleaned with fresh water thoroughly, then cleaned with cleansing grade disinfectants (Biokleen / Kohrsolin-Th), Gas burning of enclosures are done once a month.

Periodic spraying of area surrounding animal holding houses, safari area and day kraal area with Deltamethrin spray to control ectoparasites.



## Coping with Pandemic...

During the pandemic, the park aimed to become one of the self-sustainable (Athmanirbar) zoo by utilizing internal resources. Locally grown fodder and fruits were harvested for the herbivores and sustainable fishing was also carried out in the water bodies within the park premises by staff.

**Zoo Staff :** Involvement of staff during Covid-19 pandemic for fodder harvesting, fishing, planting and repair works, hence resulting in reduction of expenditure and saving around Rs.2.00 Crores.

**Veterinary Interns :** Supporting veterinary staff in diagnosing and treatment to enhance husbandry.

**School and College students :** Awareness creation for the zoo visitors as well as involvement in green initiatives such as litter picking and planting

**Volunteers :** Zoo Club members act as volunteers to create awareness for the zoo visitors.

### Involvement of staff in cleaning, planting, fishing etc.,



### In-House fodder plot and harvesting by staff



### Release of fishes to pond



### Involvement of staff to create awareness about Covid-19 safety measures



## 35 List of free living wild animals within the park premises

Bannerghatta Biological Park is on the northern most tip of Mysore Elephant Reserve and hosts a rich population of free ranging fauna. The neighboring, Bannerghatta National Park is connected with Thali Reserve forest, Cauvery Wildlife Sanctuary, MM Hills, BRT Tiger Reserve, Bandipur Tiger Reserve, Nagarahole Tiger Reserve of Karnataka, Sathyamangalam and Mudumalai Tiger Reserve of Tamil Nadu and Wayanad Wildlife Sanctuary of Kerala.

### a.Mammals:

Royal Bengal Tiger, Barking deer, Spotted Deer, Sambar deer, Guar, Bonnet Macaque, Dhole, Leopard, Wild Boar, Pangolin, Toddy cat, Civet Cat, Mongoose

### b.Birds:

Little grebe, Oriental Turtle Dove, Spotted neck dove, Laughing dove, Asian Palm Swift, Alpine swift, Little swift, Greater Coucal, Common Koel, Grey bellied cuckoo, Common hawk cuckoo, Indian Cuckoo, Common moor hen, Common Coot, Common cuckoo, White breasted waterhen, Purple Swamp hen, Black crowned Night Heron, Indian pond heron, Cattle egret, Grey heron, Great Egret, Little Egret, Little cormorant, Black winged stilt, Red wattled lapwing, Greater painted snipe, Pheasant tailed Jacana, Bronze winged Jacana, Black winged Kite, Crested Serpent eagle, Short toed Eagle, Brahminy Kite, Black Kite, Rock eagle owl, Streak throated woodpecker, Brown headed barbet, White cheeked barbet, Coppersmith Barbet, Common kingfisher, Pied kingfisher, White throated kingfisher, Alexandrine parakeet, Pale billed flower pecker, Purple rumped sunbird, Purple sunbird, Golden fronted leafbird, Jerdon's leafbird, White rumped munia, Cinereous tit, Ashy prinia, Plain prinia, Common tailorbird, Wire tailed swallow, Red whiskered bulbul, Red vented bulbul, White browed bulbul, Oriental White eye, Jungle babbler, Common myna, Indian robin, Oriental magpie robin, Tickell's blue flycatcher, Pied brush chat, Paradise Fly Catcher, Darter(Snake bird), Plum headed parakeet, Jungle Myna, Spotted dove, Open billed stork

### c. Reptiles:

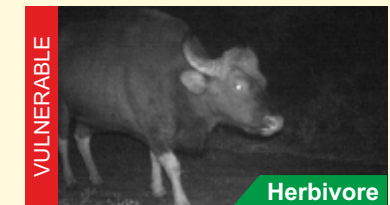
Spectacled cobra, Rat snake, Red sand Boa, Marsh Crocodile, Star Tortoise, Flapshell turtle, Common sand Boa, Oriental Garden Lizard



Royal Bengal Tiger  
(*Panthera tigris tigris*)



Asian Elephant  
(*Elephas maximus*)



Indian Bison/Gaur  
(*Bos gaurus*)



Indian Leopard  
(*Panthera pardus fusca*)



Wild Dog/Dhole  
(*Cuon alpinus*)



Sambar  
(*Rusa unicorn*)



VULNERABLE

Omnivore

Sloth Bear  
(*Melursus ursinus*)



LEAST CONCERN

Carnivore

Jungle Cat  
(*Felis chaus*)



LEAST CONCERN

Herbivore

Spotted Deer  
(*Axis axis*)



LEAST CONCERN

Omnivore

Indian Muntjac  
(*Muntiacus muntjak*)



LEAST CONCERN

Omnivore

Wild Boar  
(*Sus scrofa*)



LEAST CONCERN

Omnivore

Honey Badger  
(*Mellivora capensis*)



LEAST CONCERN

Herbivore

Black-naped hare  
(*Lepus nigricollis*)



LEAST CONCERN

Omnivore

Indian Crested Porcupine  
(*Hystrix indica*)



LEAST CONCERN

Omnivore

Ruddy Mongoose  
(*Herpestes smithii*)



LEAST CONCERN

Omnivore

Indian Grey Mongoose  
(*Herpestes edwardsii*)



LEAST CONCERN

Omnivore

Small Indian Civet  
(*Viverricula indica*)



LEAST CONCERN

Omnivore

Common Palm Civet  
(*Paradoxurus hermaphroditus*)



Black-headed Oriole



Gold-Fronted Chloropsis (M)



Gold-Fronted Chloropsis (F)



Little Cormorant



Small blue kingfisher



Greater Cormorant



Small bee-eater



Rosy Starling



Tickell's blue-flycatcher



White-browed fantail-flycatcher



Asian paradise flycatcher(M)



Purple Heron



Brainfever Bird



Oriental Darter



Panted stork



Pied Kingfisher



Marsh Crocodile



Indian flapshell turtle



Peninsular Rock Agama

## 36 Adopters

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
1	Vignesh Balkrishna Amin, Maharashtra	Indian Cobra Sun Conure	4000/-	02/05/2020 to 01/05/2021	1 year
2	P A Chandranath, Sivakasi	King Cobra	3500/-	02/05/2020 to 01/05/2021	1 year
3	Kalyani Patil, Pune	King Cobra	3500/-	02/05/2020 to 01/05/2021	1 year
4	R K Vishal, Chennai	Indian Cobra	2000/-	02/05/2020 to 01/05/2021	1 year
5	Pradeep M, Bangalore	Indian Rock Python	3500/-	02/05/2020 to 01/05/2021	1 year
6	Maheshwar Reddy Kondapur, Telanagana	Star Tortoise	2000/-	02/05/2020 to 01/05/2021	1 year
7	Abhishek Gurudutt, Bengaluru	River Terrapin	2000/-	02/05/2020 to 01/05/2021	1 year
8	S Mahesh, Bangalore	Indian Cobra	2000/-	03/05/2020 to 02/05/2021	1 year
9	Krishna Devi & Sube Singh, New Delhi	Indian Cobra Yellow Golden Pheasant Lady Amherst's Pheasant Spotted Deer Star Tortoise	18500/-	03/05/2020 to 02/05/2021	1 year
10	Nithesh K, Bangalore	King Cobra	3500/-	03/05/2020 to 02/05/2021	1 year
11	Sharon & Xavier, Chennai	Black Crowned Crane	3500/-	03/05/2020 to 02/05/2021	1 year
12	Amir Hassan, Bangalore	King Cobra	3500/-	03/05/2020 to 02/05/2021	1 year
13	Katla Kavya Sri, Telangana	Sun Conure	2000/-	03/05/2020 to 02/05/2021	1 year
14	Ravi Ranjan Kumar, Bangalore	Silver Pheasant	3500/-	03/05/2020 to 02/05/2021	1 year
15	Kiran Sinha, Harayana	Black Buck	10000/-	05/05/2020 to 04/05/2021	1 year
16	Rashi Joshi, House of Mr. Amit Joshi, Uttar Pradesh	Star Tortoise	2000/-	04/05/2020 to 03/05/2021	1 year
17	Prajwal M P, A4, Ramanagara District	Indian Cobra	2000/-	04/05/2020 to 03/05/2021	1 year
18	Gargi Sharma, Pharm Easy, Bengaluru	Indian Muntjac	5000/-	04/05/2020 to 03/05/2021	1 year
19	Abhinav Neelam, Bangalore	Indian Muntjac	5000/-	05/05/2020 to 04/05/2021	1 year
20	Kajal Sharma, Gurgoan	River Terrapin (2 nos)	4000/-	05/05/2020 to 04/05/2021	1 year
21	Mrs. Abhirami Girish, Bangalore	Indian cobra	2000/-	05/05/2020 to 04/05/2021	1 year
22	Mr. Girisha T G, Bangalore	Star tortoise	2000/-	05/05/2020 to 04/05/2021	1 year
23	Paras Vasani, Vadodara	Star tortoise Alexandrine parakeet	4000/-	05/05/2020 to 04/05/2021	1 year
24	Ms. Angel Singh, Noida	Indian leopard Bhumika	35000/-	04/05/2020 to 03/05/2021	1 year
25	B. Muralikrishnan, Madurai	King cobra	3500/-	06/05/2020 to 05/05/2021	1 year
26	Nivedita Borkakoty, Bangalore	Indian grey wolf	20000/-	06/05/2020 to 05/05/2021	1 year



	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
27	Mr. Samir Dhond, Bangalore	Nilgai	10000/-	06/05/2020 to 05/05/2021	1 year
28	Mrs. Rashmi Dhond, Bangalore	Jungle cat	5000/-	06/05/2020 to 05/05/2021	1 year
29	Mrs. Vijaya Dhond, Bangalore	Common Palm civet	5000/-	06/05/2020 to 05/05/2021	1 year
30	Mrs. Malati Godachi, Bangalore	Assamese macaque	5000/-	06/05/2020 to 05/05/2021	1 year
31	Keshava B R, Bangalore	Star Tortoise	2000/-	08/05/2020 to 07/05/2021	1 year
32	Dr. Tumkur and Veda Narasimhan and Family, USA	Elephant Gajendra	175000/-	07/05/2020 to 06/05/2021	1 year
33	Santhosh B, Bangalore	Star tortoise	2000/-	08/05/2020 to 07/05/2021	1 year
34	Sukanya Behera, Bengaluru	Sun Conure.	2000/-	08/05/2020 to 07/05/2021	1 year
35	Vani Yasodhara, Tiruveedhula	Elephant Sri Ramulu	175000/-	07/05/2020 to 06/05/2021	1 year
36	Kumaresan Ettiyannan, Coimbatore	King Cobra	3500/-	08/05/2020 to 07/05/2021	1 year
37	Sri M Krishnappa, Hon'ble MLA, Bangalore	Elepahnt -Nishargha, Tigres -Hima	275000/-	09/05/2020 to 08/05/2021	1 year
38	Apoorva Ramaseshan, Chennai	Star Tortoise	2000/-	08/05/2020 to 07/05/2021	1 year
39	Namita Kaushik, Bangalore	star tortoise	2000/-	08/05/2020 to 07/05/2021	1 year
40	Natasha kaushik, Bangalore	River Terrapin	2000/-	08/05/2020 to 07/05/2021	1 year
41	Nisha M, Salem	King Cobra	3500/-	05/08/2020 to 05/07/2021	1 year
42	Harisha Navilarekallu, Bangalore	Indian crested porcupine	3500/-	09/05/2020 to 08/05/2021	1 year
43	Sri T. Narayana and Mrs. Lalitha, Bengaluru	Tiger - Rajendra	100000/-	09/05/2020 to 08/05/2021	1 year
44	Sri M.C Raju, Ex- chairman, Jigani	Tiger - Gokul	100000/-	09/05/2020 to 08/05/2021	1 year
45	Sri M. Jayaram, Bangalore	Leopard - Lokesh	35000/-	09/05/2020 to 08/05/2021	1 year
46	Sri M Subraman, Bangalore	Leopard - Ashoka	35000/-	09/05/2020 to 08/05/2021	1 year
47	Sri Sardar Sheryar Khan, Bangalore	Tiger - Sanjay	50000/-	09/05/2020 to 08/11/2020	6 months
48	Sri K Somshekar, Bangalore	Zebra Kaveri	50000/-	09/05/2020 to 08/05/2021	1 year
49	Shamik Saraswathi, Bangalore	Sun Conure, Yellow Golden Pheasant	5500/-	09/05/2020 to 08/05/2021	1 year
50	Chandramouleeswaran Sankaran, Bangalore	Indian Leopard, Sloth Bear, Asiatic Black Bear, Gaur	35000/-	09/05/2020 to 08/05/2021	1 year
51	Prerana Bhat, Bangalore	River Terrapin	2000/-	09/05/2020 to 08/05/2021	1 year
52	Rayna Deeraj, Bengaluru	Assamese macaque	5000/-	10/05/2020 to 09/05/2021	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
53	Srikanth.HN, Bangalore	Lion Tailed Macaque	10000/-	11/05/2020 to 10/05/2021	1 year
54	Vibha S Murthy, Bangalore	Zebra, white stork, spotted deer	65000/-	11/05/2020 to 10/05/2021	1 year
55	Veekshith KH, Bengaluru	Jungle cat	5000/-	11/05/2020 to 10/05/2021	1 year
56	Raintree Schools, Bangalore	Indian crested porcupine	3500/-	11/05/2020 to 10/05/2021	1 year
57	Vijaya Kamath M, Bangalore	Tiger (3 months), King Cobra (1year)	28500/-	12/05/2020 to 12/05/2020 11/08/2021 11/05/2021	3 months & 1 year
58	Pushkal Raj Verma,Oak, Bangalore	Assamese macaque	5000/-	13/05/2020 to 12/05/2021	1 year
59	Santosh Sridhar, Bengaluru	Leopard Sanjana 6 months, night heron	19500/-	12/05/2020 to 12/05/2020 11/11/2020 11/05/2021	6 months & 1 year
60	Muralidhar Chandrababu, Bangalore	Indian Cobra	2000/-	13/05/2020 to 12/05/2021	1 year
61	Poojitha Yathiraj, Nishchitha R Gowda, Vivek Shesh, Lakshmi M, Bengaluru	Assamese macaque	5000/-	14/05/2020 to 13/05/2020	1 year
62	Ashish M.S. Thawani, Kanpur	Indian Cobra	2000/-	14/05/2020 to 13/05/2020	1 year
63	Prabhakar Bujarbarua, Bangalore	Indian crested porcupine, Monitor Lizard	7000/-	13/05/2020 to 12/05/2021	1 year
64	Amar D R, Bengaluru	Indian Muntjac	5000/-	10/05/2020 to 09/05/2021	1 year
65	Ashwini M, Divine Speciality Hospital, Bangalore	White Peafowl	3500/-	08/05/2020 to 07/05/2021	1 year
66	Rachitha Narendra, Bangalore	Black Buck	7500/-	15/05/2020 to 14/05/2021	1 year
67	Shyam Dinesh, Chennai	Indian cobra 2 nos	4000/-	15/05/2020 to 14/05/2021	1 year
68	Dharshan BC, Bangalore	Star Tortoise	2000/-	16/05/2020 to 15/05/2021	1 year
69	Vamsi Timapuram, Nagpur	Black Buck	7500/-	15/05/2020 to 14/05/2021	1 year
70	Tejas Mohan, Bangalore	King Cobra	3500/-	04/05/2020 to 03/05/2021	1 year
71	Ambika Joshi, Uttar Pradesh	Alexandrine Parakeet	2000/-	16/05/2020 to 15/05/2021	1 year
72	Dr. Shivakumar Shamarao, Bangalore	Spotted Deer , Rat Snake , Russels's Viper (3m)	10000/-	17/05/2020 to 16/05/2021	1 year 3months
73	Jigani Granite Industries Owner Welfare Association, Bangalore	Hybrid Lion Yashwanth	100000/-	12/05/2020 to 11/05/2021	1 year
74	Ragini Sekhar, Bangalore	Black Crowned Crane	3500/-	18/05/2020 to 17/05/2021	1 year
75	K.Swathi, Bangalore	Night Heron	2000/-	18/05/2020 to 17/05/2021	1 year
76	P Kalyana Sundaram, Bangalore	Alexandrine Parakeet	2000/-	18/05/2020 to 17/05/2021	1 year
77	K V Vishwanath, Bangalore	Alexandrine Parakeet	2000/-	09/05/2020 to 08/05/2021	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
78	WG. CDR. G.B. Athri (Retd), Bengaluru	Giraffe Yadunandan	100000/-	18/05/2020 to 17/05/2021	1 year
79	Ann Mary George, Bangalore	Indian Flapshell Turtle	2000/-	19/05/2020 to 18/05/2021	1 year
80	Sumithra Pradee, Bangalore	White Peafowl	3500/-	20/05/2020 to 19/05/2021	1 year
81	Swaroop B, Bangalore.	Sun Conure	2000/-	20/05/2020 to 19/05/2021	1 year
82	S R Kushi, Bangalore	Sun Conure	2000/-	20/05/2020 to 19/05/2021	1 year
83	Chandrakala Krishnamurthy, Bangalore	Indian Cobra	2000/-	20/05/2020 to 19/05/2021	1 year
84	Kaman Moorthy, Bangalore	Indian Leopard Aarav	35000/-	20/05/2020 to 19/05/2021	1 year
85	Soundarya S Madhav, Bangalore	Indian Leopard	8750/-	21/05/2020 to 20/05/2021	3 months
86	Mrs. G Krishna, Bangalore	Lion cub + Rs. 25,000 to towards welfare of animal keepers.	125000/-	22-05-2020 to 21-05-2021	1 year
87	Sri Devanand Kalavase, Bangalore	Indian Grey Wolf	20000/-	21-05-2020 to 21-05-2021	1 year
88	Jaypal A Kumbar, Bangalore	Rose Ring Parakeet	2000/-	21/05/2020 to 20/05/2021	1 year
89	Melanie Maria Mendonca, Mysore	Indian Cobra	2000/-	22/05/2020 to 21/05/2021	1 year
90	Dr M Seshagiri Rao, Bangalore	Indian Muntjac	5000/-	22/05/2020 to 21/05/2021	1 year
91	Mr. Akshay Kumar, Bengaluru	Common Palm civet	5000/-	23/05/2020 to 22/05/2021	1 year
92	Mrs. Anju Das, Bengaluru	Indian Muntjac	5000/-	23/05/2020 to 22/05/2021	1 year
93	Vikram Acharya, Bengaluru	Night Heron	2000/-	24/05/2020 to 23/05/2021	1 year
94	Rotaract Club of OP Jindal Global University, Punjab	Black Buck, Morelet's Crocodile, Indian Muntjac	20000/-	22/05/2020 to 21/05/2021	1 year
95	Mrs Jayalakshmi Venugopal, Bengaluru	White Stork	7500/-	27/05/2020 to 26/05/2021	1 year
96	Dr Ashish Birendra Chakraborty, Avinash, Chhattisgarh	Indian cobra 2 nos	4000/-	28/05/2020 to 27/05/2021	1 year
97	Venkatesha	Jungle Cat	5000/-	01/05/2020 to 02/05/2021	1 year
98	Namratha	Gaur	35000/-	07/05/2020 to 06/05/2021	1 year
99	Salman Pasha, Bangalore	Rock Python	3500/-	27-05-2020 to 26-05-2021	1 year
100	Sri Sardar Sheryar Khan, Bangalore	Lion Cub - SHER-YAR	75000/-	27-05-2020 to 26-11-2020	6 months
101	V Govindaraj	Rat Snake	2000/-	26/05/2020 to 25/05/2021	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
102	R.V. Aroon Prasaad, IRS, Chennai	Leopard SANVI	35,000/-	29/05/2020 to 28/05/2021	1 year
103	Jari Koister, USA.	Indian Porcupine	3,500/-	15/02/2020 to 14/2/2021	1 year
104	Karunakar M ,Bangalore	Indian Flap shell turtle	2000/-	31/05/2020 to 30/05/2021	1 year
105	Aditi Olemann, Bangalore	Alexandrine parakeet	2000/-	02/06/2020 to 01/06/2021	1 year
106	Maheshwar Bhogaraju, Bengaluru	Indian Flap shell turtle	2000/-	02/06/2020 to 01/06/2021	1 year
107	Sunil Gowda, Bengaluru	Sun Conure	2000/-	04/06/2020 to 03/06/2021	1 year
108	Sachin Singh Bhadouriya, Madhya Pradesh	River terrapin	2000/-	04/06/2020 to 03/06/2021	1 year
109	Vinay Gayakwad Prasad Balaji Trading Co., Chitradurga Dist.	Indian leopard Apsara	35000/-	06/05/2020 to 05/06/2021	1 year
110	Anvitha Prathap, Bangalore	Spotted deer	7500/-	06/05/2020 to 05/06/2021	1 year
111	Kirtana Suri, Bangalore	Nilgai	10,000/-	08/06/2020 to 07/06/2021	1 year
112	Bhushan Moreshwar Kukde, Nagpur	Red Eared Slider, Indian Crested Porcupine , Black crowned crane	9000/-	17/06/2020 to 16/06/2021	1 year
113	Bangalore OVF, Bengaluru	Spotted deer	10,000/-	18/06/2020 to 15/10/2021	1 year 4 months
114	Abhijit Gopala Gollanapalli, Bengaluru	White peafowl & Indian Flapshell turtle	5500/-	20/06/2020 to 19/06/2021	1 year
115	Ravikumar C Iyer, Bangalore	Indian cobra	2000/-	23/06/2020 to 22/06/2021	1 year
116	Rotary Bangalore, Bangalore	Indian Leopard Kiran	35000/-	01/07/2020 to 30/06/2021	1 year
117	Aishwarya Maruvada, Bengaluru	River Terrapin	2000/-	28/06/2020 to 27/06/2021	1 year
118	Anshu singh	Assamese Macaque	5000/-	30/06/2020 to 29/06/2021	1 year
119	Saksham Rai	Rose Ring Parakeet	2000/-	30/06/2020 to 29/06/2021	1 year
120	Shashwat Rai	Star Tortoise	2000/-	30/06/2020 to 29/06/2021	1 year
121	Ramesh Kumar, Bangalore	Indian Cobra	2000/-	30/06/2020 to 29/06/2021	1 year
122	Rallis India	Royal Bengal Tiger, Indian Leopard, Sloth Bear	170000/-	29/06/2020 to 28/06/2021	1 year
123	Bhoomika, Bangalore	Common Rat Snake	2000/-	29/06/2020 to 28/06/2021	1 year
124	Neelu Tripathy, Bangalore	King cobra	3500/-	04/07/2020 to 03/07/2021	1 year
125	By Plant Engineering Division, Ramanagar Dist.	Common Ostrich	10000/-	09/07/2020 to 08/07/2021	1 year
126	Karunakar M, Bangalore	King Cobra	3500/-	06/07/2020 to 05/07/2021	1 year
127	Sreeveni, Bengaluru	Indian Flapshell Turtle	2000/-	10/07/2020 to 09/07/2021	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
128	Vinay Channaveerasetty, Bangalore	Spotted Deer & Black Crowned Crane	11000/-	13/07/2020 to 12/07/2021	1 year
129	Team Lexus - Bidadi , Bangalore	Lion Tailed Macaque	10000/-	17/07/2020 to 16/07/2021	1 year
130	Melwin Anthony luiz	King Cobra	3500/-	20/07/2020 to 19/07/2021	1 year
131	K. A Ramesha & Family, Bangalore	Indian Cobra	2000/-	14/07/2020 to 13/07/2021	1 year
132	Sushma Bharath, Bangalore	Spot billed pelican	15000/-	21/07/2020 to 20/07/2021	1 year
133	Devesh Sarathe, Madya Pradesh	Indian Crested Porcupine	3500/-	22/07/2020 to 21/07/2021	1 year
134	Dinesh K V, Chennai	Indian Cobra (2)	4000/-	25/07/2020 to 24/07/2021	1 year
135	Snehal P, Bangalore	Indian Peafowl	3500/-	28/07/2020 to 27/07/2021	1 year
136	Ravikumar R, Chennai	Indian Cobra River Terrapin & Black Crowned Crane	7500/-	13/07/2020 to 07/12/2021	1 year
137	Mandar Udayan Sabnis, Bangalore	Sun Conure	2000/-	30/07/2020 to 29/07/2021	1 year
138	Udbhav Moorchung, Bangalore	Assamese Macaque	5000/-	31/07/2020 to 30/07/2020	1 year
139	N Deepa, Coimbatore	King Cobra	3500/-	03/08/2020 to 02/08/2021	1 year
140	N Pranav Gopal, Coimbatore	King Cobra	3500/-	03/08/2020 to 02/08/2021	1 year
141	Dhirajkumar Chettiar, Hyderabad	White Royal Bengal Tiger	50000/-	07/08/2020 to 06/02/2021	6 months
142	Rahul V Sankrithya, Bangalore	Thamin deer	7500/-	17/08/2020 to 16/08/2021	1 year
143	Poojitha Yathiraj, Bengaluru	Lion tailed Macaque	10000/-	18/08/2020 to 17/08/2021	1 year
144	Smt. Bettamma, Bangalore	Indian Cobra	2000/-	21/08/2020 to 20/08/2021	1 year
145	Mamata Moorchung, Bangalore	Muntjac	5000/-	24/08/2020 to 23/08/2020	1 year
146	N Seshadri, Bangalore	Spotted Deer Common Peafowl	11000/-	27/08/2020 to 26/08/2020	1 year
147	Rahul V Sankrithya, Bangalore	Sun Conure	2000/-	27/08/2020 to 26/08/2021	1 year
148	Rani Murthy, Bengaluru	Common Peafowl	3500/-	29/08/2020 to 28/08/2021	1 year
149	Heshrita P B, Bangalore	Rose ring Parakeet	2000/-	06/09/2020 to 05/09/2021	1 year
150	C.G.Venkata Krishnan, Bangalore	Indian cobra	2000/-	08/09/2020 to 07/09/2021	1 year
151	Nanditha. A, Bengaluru	Indian cobra	2000/-	13/09/2020 to 09/12/2021	1 year
152	Kishan M Sri Nilaya, Tumkur	Indian Flap shell turtle	2000/-	22/09/2020 to 21/09/2021	1 year
153	Lions club of Bangalore South K.P, Bangalore	Indian Muntjac & Indian Grey Wolf	25000/-	28/09/2020 to 27/09/2021	1 year
154	Lions club of Bangalore host 5C, Bengaluru	Golden Jackal	20000/-	01/10/2020 to 30/09/2021	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
155	Nagaraja.V, Kolar	Indian cobra	2000/-	27/09/2020 to 26/9/2021	1 year
156	Sapna Shekar, Bangalore	Indian grey wolf	20000/-	06/10/2020 to 05/10/2021	1 year
157	Maruti Sridhar, Bangalore	Alexandrine Parakeet	2000/-	15/10/2020 to 14/10/2021	1 year
158	Purushothama.D , Bangalore	King Cobra & Common peafowl	7000/-	12/10/2020 to 11/10/2021	1 year
159	Lions Club Jigani Town, Koppa, Bangalore	Indian Leopard Anchika & Great Indian Hornbill	40000/-	24/10/2020 to 23/10/2021	1 year
160	Sheetal Pandi, Bangalore	King cobra	3500/-	25/10/2020 to 24/10/2021	1 year
161	Pranay I Naik, Belagaum	Indian cobra	2000/-	26/10/2020 to 25/10/2021	1 year
162	Siddharth Aswal, Bangalore	King Cobra	3500/-	28/10/2020 to 27/10/2021	1 year
163	Mrs Sita Rao, Bangalore	Indian Muntjac	5000/-	03/11/2020 to 02/11/2021	1 year
164	Annapoorni Subramaniam, Mumbai	King Cobra & Indian Cobra	5500/-	31/10/2020 to 30/10/2021	1 year
165	Sri Pradeep Raja G, Bangalore	Indian Cobra, Eclectus Parrot, Tricarinate Hill Turtle	6000/-	13/11/2020 to 12/11/2021	1 year
166	B Jayanthi	Himalayan Black bear	35000/-	14/11/2020 to 13/11/2021	1 year
167	Prajwal	Spectacled langur	10000/-	14/11/2020 to 13/11/2021	1 year
168	Ritu Cipy, Bengaluru	White Tiger Vanya	100000/-	15/11/2020 to 14/11/2021	1 year
169	N Raju, Bangalore	King Cobra	3500/-	21/11/2020 to 20/11/2021	1 year
170	Dr. Lakshmi Anath, Bengaluru	King Cobra-2 Nos, Peacock-2 Nos Rose Ring Parakeet-2 Nos Spotted deer-2 Nos	33000/-	22/11/2020 to 21/11/2021	1 year
171	Sri Srinivasa Murthy R, Bengaluru	Indian Cobra	2000/-	27/11/2020 to 26/11/2021	1 year
172	Sri Sudhakar Veerappa, Bengaluru	Indian Cobra	2000/-	27/11/2020 to 26/11/2021	1 year
173	Sri Lakshmana V, Bengaluru	Indian Cobra	2000/-	27/11/2020 to 26/11/2021	1 year
174	Sri Chandrashekar N, Bengaluru	Indian Cobra	2000/-	27/11/2020 to 26/11/2021	1 year
175	Nitish Kashyap, Bangalore	Indian Muntjac	5000/-	21/11/2020 to 20/11/2021	1 year
176	Forgepro India Pvt Ltd., Ramanagara	Tiger Mithun	100000/-	03/12/2020 to 02/12/2021	1 year
177	Srujan K, Bengaluru	Star tortoise	2000/-	02/12/2020 to 01/12/2021	1 year
178	Vismaya Hanumandar/ Vardhan Hanumandar , Bangalore	Golden Jackal	20000/-	06/12/2020 to 05/12/2021	1 year
179	M/s Kumar Organic Products Ltd., Bangalore	Tigress "Sambhavi"	100000/-	09/12/2020 to 08/12/2021	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
180	Arjun, Bangalore	Star tortoise	2000/-	07/12/2020 to 06/12/2021	1 year
181	Vishnupriya Varadharaju Ishvaryam, Bangalore	Russell's Viper & Eurasian Eagle Owl	5500/-	08/12/2020 to 07/12/2021	1 year
182	Vruthika Jyothi, Bangalore	Budgerigar	2000/-	14/12/2020 to 13/12/2021	1 year
183	Siddharth Moorchung, Bangalore	Assamese Macaque	5000/-	15/12/2020 to 14/12/2021	1 year
184	Virain Ahuja Iyer, Bangalore	Star Tortoise	2000/-	09/12/2020 to 09/12/2021	1 year
185	Mrs. Kavitha Vilas Shinde, Bangalore	Jungle cat (2 nos)	10000/-	19/12/2020 to 18/12/2021	1 year
186	Nagarjun G.D, Bangalore	Indian Cobra	2000/-	20/12/2020 to 19/12/2021	1 year
187	Abhishek Kheterpal, Haryana	King Cobra - 2 No	7000/-	20/12/2020 to 19-12-2021	1 year
188	Jayashree Raman	Indian Leopard	35000/-	21/12/2020 to 20/12/2021	1 Year
189	Rajesh Kumar R, Bangalore	Indian Cobra	2000/-	25/12/2020 to 24/12/2021	1 Year
190	Raghavendra Rao H.S, Bangalore	Indian cobra	2000/-	30/12/2020 to 29/12/2021	1 year
191	Vasishta N Simha	Lion	125000/-	01/01/2021 to 31/12/2021	1 year
192	Vinay lakshman, Bangalore	Indian Leopard	35000/-	01/01/2021 to 31/12/2021	1 year
193	Vinayraj Govindrajan, Bangalore	King Cobra	3500/-	01/01/2021 to 31/12/2021	1 year
194	Prasanna S Hunswadkar, Bengaluru	Common Palm civet, Indian Cobra, Russel Viper, Lady Amherst's Pheasant, Indian Muntjac, Black Crowned Crane and Porcupine	25000/-	28/12/2020 to 27/12/2020	1 year
195	Anil Kumar, Bengaluru	Rat Snake	2000/-	01/01/2021 to 31/12/2021	1 Year
196	Shankar Chandrasekar , Bengaluru	King Cobra, Four horned Antelope Budgerigar	10500/-	03/01/2021 to 02/01/2021	1 Year
197	Nandini R, Bengaluru	Indian Cobra	2000/-	06/01/2021 to 05/01/2021	1 Year
198	Iranna Gorabal, Bengaluru	Four horned Antelope	5000/-	06/01/2021 to 05/01/2021	1 Year
199	Mrs Kavitha Vilas Shinde, Bangalore	Lion Cub - Pushpa	125000/-	26-01-2021 to 25-01-2022	1 Year
200	Jayanth Chandra, Bangalore	Tricarinate Hill Turtle	2000/-	26-01-2021 to 25-01-2022	1 Year
201	Thravin Prabhuram, Bangalore	Rainbow lorikeet	2000/-	28/01/2021 to 27/01/2022	1 year
202	Twinklers of Bangalore South Ladies circle 66, Bangalore	Great Indian Hornbill & Indian Muntjac	10000/-	29/01/2021 to 28/01/2022	1 year
203	Dilip N, Bangalore	Spotted deer	7500/-	01/02/2021 to 31/01/2022	1 year
204	Sunil Kumar D, Bengaluru	Jungle Cat	5000/-	04/02/2021 to 03/02/2022	1 year
205	Jyoti K Sinha, Bengaluru	Dhole, King Cobra	23500/-	05/02/2021 to 04/02/2022	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
206	Swathi Patwari, Bengaluru	Eclectus parrot	2000/-	05/02/2021 to 04/02/2022	1 year
207	N Advik, Bangalore	African Grey Parrot	3500/-	13/02/3021 to 12/02/2022	1 year
208	Dr. Naveen Kumar, Mumbai	King Cobra	4000/-	13/02/3021 to 02/12/2022	1 year
209	Mukesh Chopra, Greater Noida	King Cobra - 3 Nos	10500/-	22-02-2021 to 21-02-2022	1 Year
210	Bhagyavathi K B, Bangalore Rural	King Cobra	3500/-	20-02-2021 to 19-02-2022	1 Year
211	Anand Pramodh, Bangalore	Ostrich	10000/-	27-02-2021 to 26-02-2022	1 Year
212	Mahesh R, Bangalore	Indian Cobra Common rat snake & Sambar deer	11500/-	01/03/2021 to 28/02/2022	1 year
213	Dr. Agarwal Hospitals, Bangalore	White Peacock	3500/-	01/03/2021 to 28/02/2022	1 year
214	Suchindra Dikshit, Bangalore	Blue Gold Macaw	7500/-	04/03/2021 to 03/03/2022	1 year
215	Ashish Sivaratri, Bengaluru 560062	Star Tortoise	2000/-	05/03/2021 to 04/03/2022	1 year
216	Shwetha Shetty, Maharashtra.	Indian Cobra	2000/-	06/03/2021 to 05/03/2022	1 year
217	Pooja Sundar, Bangalore	Great Indian Hornbill	5000/-	06/03/2021 to 05/03/2022	1 year
218	Sindhu Ajay, Bangalore	Night Heron	2000/-	06/03/2021 to 05/03/2022	1 year
219	M Kiran Singh, Bangalore	King Cobra	3500/-	06/03/2021 to 05/03/2022	1 year
220	Vaishali M, Bangalore	Indian Roof Turtle	2000/-	06/03/2021 to 05/03/2022	1 year
221	Kaushik S Kalmady, Udupi	Great Indian Hornbill	5000/-	15/03/2021 to 14/03/2022	1 year
222	Richa Shetty, Maharashtra.	Brahminy Kite	3500/-	15/03/2021 to 14/03/2022	1 year
223	Shreedevi K N, Udupi	Common Ostrich	10000/-	15/03/2021 to 14/03/2022	1 year
224	Venkata Lakshmi, Bengaluru	Eclectus Parrot	2000/-	03/09/2021 to 03/08/2022	1 year
225	Jaypal, Bangalore	King Cobra	3500/-	09/03/2021 to 08/03/2022	1 year
226	Lilly Devi, Bangalore	King Cobra	3500/-	09/03/2021 to 08/03/2022	1 year
227	P. Mahalakshmi, Bangalore	King Cobra	3500/-	16/03/2021 to 15/03/2022	1 year
228	Harish Ramyashree, Bangalore	Indian Cobra	2000/-	24/03/2021 to 23/03/2022	1 year
229	CDYMAX (India) Pharma Pvt Ltd	Asiatic Elephant - 7 nos	1991000/-	29/03/2021 to 28/03/2022	1 year
230	Gowri Priya Harikrishnan, Chennai	Indian leopard	8750/-	31/03/2021 to 30/06/2021	3 months



Donation for staff welfare


Name of the person/Firm		Remarks
1	Sujatha Rai	Rs. 30,000/- Donation towards Staff Welfare
2	Lions club of Bangalore host	Rs. 20,000/- Donation towards Staff Welfare
3	Sri Jayaram	Rs. 6,500/- Donation towards Staff Welfare
4	Manikanta V	Rs. 5,000/- Donation towards Staff Welfare
5	M.R.Karki	Rs. 2,500/- Donation towards Staff Welfare
6	Balakrishna	Rs. 3,000/- Donation towards Staff Welfare
7	Renuka	Rs. 4,000/- Donation towards Staff Welfare
8	Sri Sardar Sheryar Khan	Rs. 15,000/- Donation towards Staff Welfare
9	Aradhya Pai	Rs. 2,500/- Donation towards Staff Welfare
10	Sri Sri Siddalinga Swamigalu, Siddalinga Mata, Tumkur	Rs. 2,500/- Donation towards Staff Welfare
11	Hon'ble Shri Rakesh Kumar Gupta, Administrative Member, CAT	Rs. 5,100/- Donation towards Staff Welfare
12	Smt. Bhagyavathi Amaresh, Director, KFDC	Rs. 10,000/- Donation towards Staff Welfare



## Esteemed Adopters





A herd of elephants of various sizes is gathered in a savanna landscape. In the foreground, a river flows, with a large log lying on the bank. The elephants are scattered across a grassy area, some standing and some partially obscured by foliage. The background shows a dry, hilly terrain under a clear sky.

[www.bannerghattabiologicalpark.org](http://www.bannerghattabiologicalpark.org)

Bengaluru Bannerghatta Biological Park  
Bannerghatta, Bengaluru-560 083  
Karnataka, India.

Telephone : 080-29776466, 29776467  
e-mail : [bannerghattazoo@gmail.com](mailto:bannerghattazoo@gmail.com)