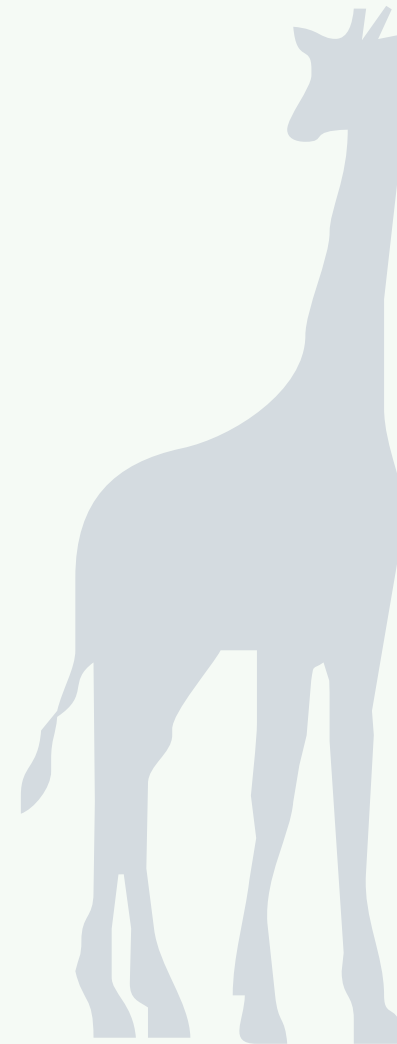


**ANNUAL
REPORT
2019-20** | **BENGALURU
BANNERGHATTA
BIOLOGICAL
PARK**



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www.bannerghattabiologicalpark.org

1 Report of the Officer-in-charge

Bengaluru Bannerghatta Biological Park is a unique region of ecological importance as it's situated on the northern terminal point of Mysuru Elephant Reserve connecting forest reserves of Karnataka, Tamil Nadu and Kerala. The Park plays a major role in conservation of rich floral, faunal diversity, sequester carbon and sustains regional hydrology.

Animals in captivity acts as ambassador for the wild population to create awareness among visitors about conservation, propagation of wildlife and need to maintain ecological balance. The main objective of the zoo is ex-situ conservation and augment the depleting population of the endangered species.

Wildlife and it's habitat can not speak, so we must and we will!!

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

At the outset I would like to mention that one of the main objective of the Park is to inspire citizens and create education to showcase the linkage between the survival of species and protection of natural habitat. As a part of our Education and outreach activity guided tour for over 1500 government school students, touch boards for general public, green initiative from academic institutions, planting and wildlife rally was executed throughout the year. Importance of conservation was enhanced by displaying boards of sustainable development goals, National Zoo policy and wildlife pledge for general public.

Welfare of our zoo residents were maintained by various enrichmental activities. This includes puzzle feeders for primates, physical structures for animals and birds inside their enclosures and sprinklers for summer management. Along with this developmental works for deers and lesser carnivores were also started.

Having staff as one of the stakeholders, they play a key role in spreading awareness about conservation. Hence, capacity building training was held to sensitize animal keepers and buggy drivers about role of zoos in conservation and also to develop their communication skills.

Rescue and Rehabilitation also plays a vital role in wildlife conservation. As an institution, zoos provide shelter, food and veterinary care to the orphaned animals found in wild, along with those rescued from snare trap and human-animal conflict.

We envision initiating Germplasm conservation to conserve genetic traits of endangered species in the near future. Germplasm stores the genes which could be preserved and regenerated in the future to fight against extinction of an endangered species.

I am happy to mention that the sincere efforts of the staff and well wishers of the citizen have made significant growth of the park and helped us further the objectives of National Zoo Policy.

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 visions 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** by providing 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 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 : 19th August, 2023
7. Category of zoo : Large
8. Area(in hectares) : 731.88 hectares
9. Number of visitors for the year 2019-20 : 1646034
10. Visitor's facilities available in Zoo : R O Drinking water, Toll free washrooms, Cloak room, Shelters, Electric Vehicle Service, wheelchair, 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. H T Kushalappa
Executive Engineer : Sri H L Nagendrappa
Assistant Director : Dr. Umashankar K S
(Veterinary Service)
- Range Forest Officers : Smt. M C Bhagyalakshmi
Sri Chandregowda
Sri Praveen R Chalavadi
- Pathologist : Dr. Manjunath V
(WADDL., Supported by IAH & VB)
- Biologist : Kum. Aishwarya Sridhar
Education Officer : Kum. Amala M Anil
Public Relation Officer : Sri Srinivas
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

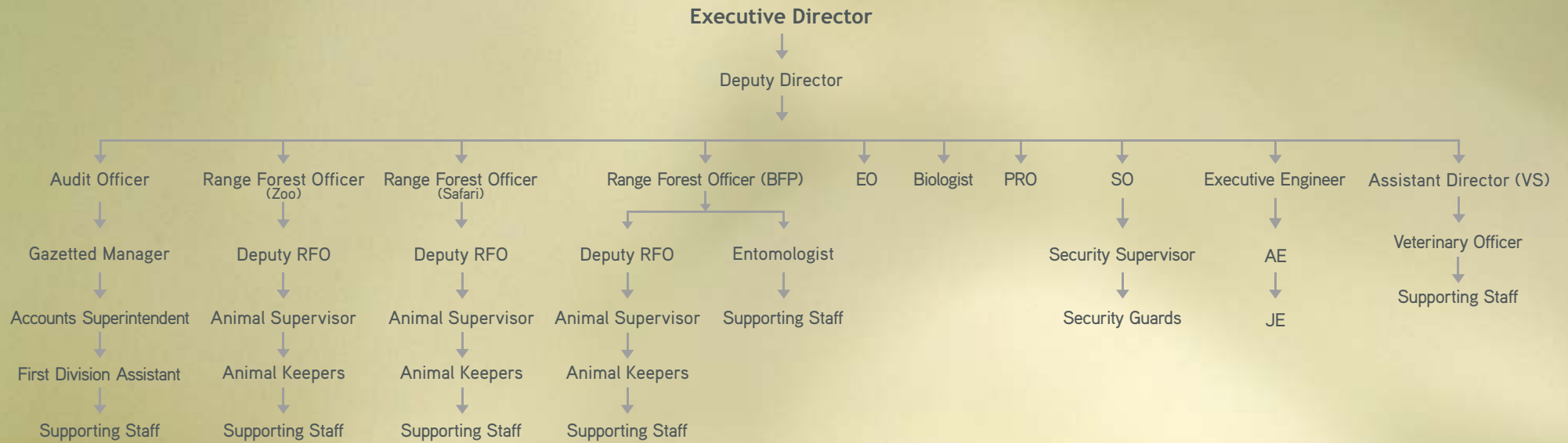
Distance from nearest

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	1	0	Sri. H.T.Kushalappa
3	Executive Engineer	1	1	0	Sri. H.L.Nagendrappa
4	Assistant Director(VS)	1	1	0	Dr.Umashankar K S
5	Gazetted Manager	1	0	1	
6	Veterinary Officer (VO)	1	1	0	Dr. Ramesh Huliya
7	Range Forest Officer (RFO)	4	3	1	Smt. M C Bhagyalakshmi
					Sri. Praveen Chalawadi
					Sri. Chandregowda
8	Deputy Range Forest Officer(DRFO)	4	4	0	Sri Hemanth. K.S
					Sri. Ashoka H T
					Sri Abhishek B G
					Smt. Sushma N
9	First Division Assistant	1	1	0	Sri. B V Indresh Kumar
10	Forest Guard	3	0	3	
11	Forest Watcher	3	1	2	Sri. T Ramaiah
12	Mahouts	2	1	1	Sri Motanna
13	Kavadi	4	0	0	

Sl. No.	Staff	Nos.
1	Permanent Staff	13
2	Kshemanidhi Employees	40
Direct Contract		
3	Category staff	177
4	Elephants assistants	14
5	Veterinary Officers	02
6	Office staff	06
7	Public Relation Officer	01
8	Entomologist	01
9	Biologist	01
10	Junior Engineer	01
11	Education Officer	01
12	Ex Army (Security Person)	30
Outsource staff		
13	Outsourced staff	
	from agency	46
14	Security staff from agency	25

9 Capacity Building of zoo personnel

The zoo personnel have been trained to ensure success within the Zoo whilst dealing with animals and the visitors. Some of the employees have attended various programmes outside the ambit of the zoo which is ensuring further success to the zoo and its functioning.

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.	Dr. Umashankar K S, AD(VS), Dr. Manjunath V , Pathologist Sri. Raja, Elephant Mahouth , Sri Kumar, Elephant Kavadi Sri. Suresh, Elephant Supervisor, Kum. Aishwarya K S, Biologist Kum. Amala M Anil, Education Officer	Workshop on "Emerging Diseases in Asian Elephants"	25th October 2019	Sri Chamarajendra Zoological Gardens, Mysuru
2.	Dr. Umashankar K S, AD(VS)	4th Asia Working Group Meeting and International Seminar on Elephants Endotheliotropic Herpes Virus	28th November to 30th November 2019	Assam State Zoo cum Botanical Garden, Guwahati

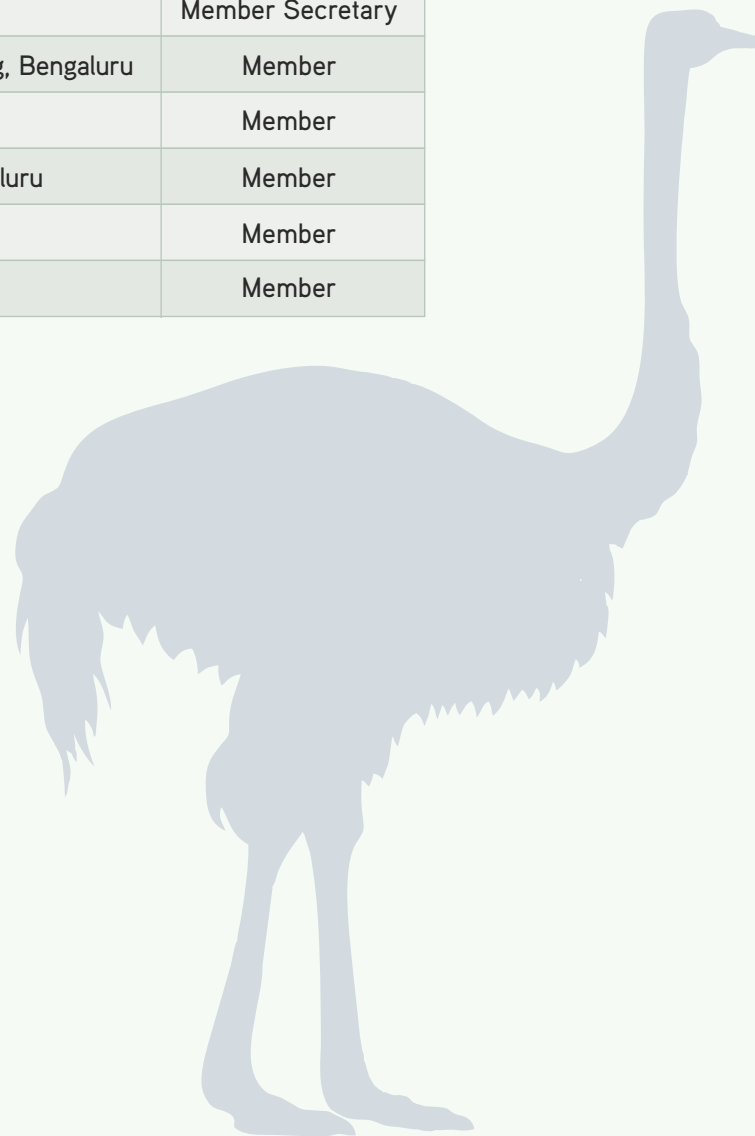
10 Governing Council of Zoo Authority of Karnataka, Mysuru.

	Members	Designation
1.	Additional Chief Secretary, Forest, Environment & Ecology Department, M.S Building, Bengaluru	Chairperson
2.	Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden	Vice-Chairman
3.	Additional Principal Chief Conservator of Forests, Zoo Authority of Karnataka, Mysore	Member Secretary
4.	Secretary to Government (Forests), Forest, Environment & Ecology Department, M.S Building, Bengaluru	Member
5.	Hon'ble Mayor, Mysore 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

11 Health Advisory Committee

Date of constitution: FEE 2003 FWL 2002,
Bangalore dated: 12-03-2004

1	Executive Director, Bannerghatta Biological Park, Bangalore Member Convener
2	The Joint Director of Animal, Husbandry and Veterinary Sciences of Bangalore Member
3	Head of Department of Clinical Medicine, Veterinary College, Hebbal, Bangalore or his representative Member
4	A representative from Institute of Animal Health and Veterinary Biological (IAH&VB), Bangalore, to be nominated by Director of IAH&VB Member
5	Assistant Director (V.S), BBBP - Member Member



12 Statement of income and expenditure of the Zoo

Budget and Annual Income and Expenditure for the period 01.04.2019 to 31.03.2020 (Rs. In Lakhs)

	Details of Budget Head	Total Budget & APO approved 2019-20	Actual Expenditure from 01-04-2019 - 31.03.2020 In Lakhs
1	Establishment Charges	926.00	989.10
2	Staff Advances	-	-
3	Office Expenses	21.00	22.02
4	Advertisement and Publicity	25.00	19.15
5	Stores, Tools and Plants	7.50	6.55
6	General Charges	23.50	17.62
7	Zoo Education	12.00	5.36
8	Staff Welfare	72.10	62.40
9	Others (If any)	56.50	0.02
	Total	1,143.60	1,122.22
10	Feed and Fodder	903.00	1,042.78
11	Animal Treatment charges (vet care)	36.50	49.72
12	Animal Collection - Handling and transportation charges	250.00	-
	Total	282.50	49.72
13	Fixed Assets	148.40	74.39
14	Garden Development	120.00	13.61
15	Civil Work Development(Zoo, Safari and Butterfly Park)	2,525.87	318.51
	Total	2,794.27	406.51
16	Maintenance Charges	111.80	135.37
17	Garden Maintenance	102.00	1.26
18	Research and Documentation	5.00	1.79
19	Enrichment of Captive Habitat	10.00	1.37
20	Civil Work Maintenance(Zoo, Safari, Butterfly Park & Rescue center)	318.71	94.69
21	Payment to KSTDC	600.00	718.43
	Total	1,147.51	952.92
	Sub-Total	6,270.88	3,574.15
22	Spill over Works of 2018-19	926.84	425.45
	Grand Total	7,197.72	3,999.60

	Particulars	Approved anticipated Revenue	Actual income 2019-20 Upto 31.03.2020 in Lakhs
1	Gate Collection	3,101.13	3,209.53
2	License Fees	160.00	140.30
3	Sale Proceeds	3.00	1.64
4	Bank Interest	180.00	238.40
5	Other Receipts	22.00	9.97
	Total	3,466.13	3,599.85



13 Daily feed Schedule of animals

The Animal Health Advisory committee regulates the food requirement of the animals, whenever required. 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 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

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 mg / kg b.wt	Once in four 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

- A health camp for staff & family was conducted in association with Narayana Hrudayalaya, Oxford Dental College and Agarwal Eye Hospital on 26th and 27th September 2019.
- Health camp included General check up, body mass index, eye testing, dental check up, Heart check up (ECG), Respiratory check up including TB screening and Screening for oral and breast cancer.



18 Development works and facilities created

A) Development works

- 🐾 Deer Enclosure : Barking Deer, Hog Deer, Thamin Deer / Black Buck & Spotted Deer
- 🐾 Renovation of Existing Zoo Hospital
- 🐾 Digital Adoption Board
- 🐾 Elephant treatment area in Zoo
- 🐾 Battery Vehicle Recharging Unit
- 🐾 Railway Barricade Gate at RC gate
- 🐾 Solid Waste Management and Biomedical Waste Management

B) New Facilities created

- 🐾 Upgrading existing baby care unit in zoo and opening new Baby Care Unit at Butterfly Park
- 🐾 Started new Library in the Zoo
- 🐾 Display units at Safari Waiting Area
- 🐾 Announcement system at ticketing counter
- 🐾 Audio guide for Zoo and Safari
- 🐾 Suggestion Box
- 🐾 Umbrella
- 🐾 Mask and Sanitizer kit
- 🐾 Information Boards, Signage's
- 🐾 Direction Map/ Utility Map/ Road Arrow Marks
- 🐾 Designated pathway for Butterfly park from zoo





Naturalistic barking deer enclosure using existing tree cover

View of naturalistic immersive Hog deer enclosure from visitors path





Sangai deer enclosure using existing natural water drain

Spotted deer enclosure view from visitors path





Bengal Fox enclosure in the rocky outcrop



Jackal enclosure in the rocky and undulated terrain



Battery Vehicle Recharge Unit



Railway barricade at RC Gate



Digital Display Boards

Digital Adoption Display Board



19 Education & Awareness programmes



Children from Government Ashram School, Bhootanahalli, August 2019)

Environmental Education activities are conducted on a regular basis at BBBP to develop empathy on wildlife in the minds of youth and people from all walks of life, who visit the park. Tailor made educational activities and awareness programmes conducted at the park are:

a. Chinnara Mrugalaya Darshana

Government School children residing in close proximity to the National Park are sponsored with a guided tour of the zoo, butterfly park as well as lunch at Hill View Restaurant. For the financial year 2019-2020, 1492 students and 192 staff from 41 schools visited the park.

Month	Visiting Schools	Total students	Total staff
July	GMPS, Kalkere	43	4
August	Government Ashram School, Bhootanahalli, GHPS, Byatrandothi	73	13
September	GMPS, Anekal; GHPS, Doopanahalli	135	43
October	PVP Residential Girls High School (Govt. Aided); Govt School, Women and Child Development Department	292	49
December	GHPS, Vittalasangra ; 9 schools GHPS Chancanahalli ,Somapura, Yamara, Bevasalli, Kada gravara, Thommasandra , TC Halli Jantha, Colony Girls School, Jantha Colony Boys School;GLPS, Yellamanadoddi & Madapanadoddi ;Scouts and Guides, Karnataka; Chandapura Cluster (9 schools) GHPS Chatrakane ; GHPS Helhalige, GHPS Ramasagara ; GHPS Singena Agrahara ; GHPS Hale Chandapura, GHPS Muthanalururu ; GLPS, Banahalli GLPS Narayana ghutta ; GLPS Lakshmisagara	546	50
January	GHPS, Krishnadoddi ; GHPS Konsandra ; Indira Priyadarshini School (Govt. Aided) ; GHPS, Shanaboganahalli	279	22
February	GHPS, Bilvardanahalli	73	7
March	Disabled children from 7 schools :GPS Chandapura, GHPS Balagarnahalli, GHPS Biddaraguppe, GUHPS Adigara Kallalli, Govt Boys High School, Attibele, Govt. Girls High School, Anekal Govt. old HPS, Anekal	51	4

b. Green Initiatives

Academic Institutions and other organizations get involved with Green initiatives such as planting, clean ups and awareness creation at BBBP.

Clean up drive involving BBBP staff, BBMP officials & HSR Citizen Forum

Abstract of Green Initiatives

Date	Partner organization	Details
13 th April	Community Clean Up by students from Udayan Shalini Fellowship	42 students & volunteers Clean Up in parking area
19 th June	Inner wheel Club, Bangalore North	Inauguration of Plastic bottle crusher machine
06 th July	Community cleanup by St. Miras high school students	42 students Clean up in parking area, Bottles crushed, Education for public: skit, henna/tattoo;
08 th September	Christ Academy clean up	35 students and staff, Clean up in zoo and parking area, Planting
18 th September	BBMP officials & HSR Citizen Forum.	Plastic pick up in the parking area & awareness creation for shop keepers
28 th September	TCS	400 volunteers Clean up in parking area
19 th January	Students from Christ University	Silent March to create awareness on impact of single use plastics and other threats to wildlife and nature.
Monthly	Security team of BBBP	Monthly clean up session around the zoo by Security team of BBBP

C. SPECIAL DAYS

Elephant Day :

Quiz for Zoo visitors on facts about elephants, Naming of Elephant calf, Shruthi by public and display of artwork by elephant mahouts and staff from HakkiPikki Colony.

World Environment Day :

Display of Pollution Model and Awareness by students

World Snake Day :

Awareness creation for zoo visitors

World Tiger Day :

Awareness creation on threats to tigers in the wild, interesting facts and handimals for zoo visitors and a workshop on Endangered Species for students of School of India.

Yoga Day :

Security team conducted free yoga classes for people residing around BBBP

World Monkey Day :

An awareness talk on importance of monkeys to the ecosystem was conducted by Zoo Club students for the public along with negative impacts of feeding monkeys and other wildlife in the zoo premises.

Wildlife Day :

Members of Rotaract District 3190 and Zoo Club volunteers conducted a silent march to create awareness about the threat to nature and wildlife as well as ways to conserve all life on land. Leopard Apsara was adopted by Rotaract club for 3 months.

International Women's Day :

was celebrated through a cake cutting ceremony by differently abled outsourced employee, Mrs. Yashodha.

Mrs. Jayamma, Kshemabhivruddhi employee was honoured by BBBP and NWCC (an NGO). Staff and Zoo Club volunteers conducted an awareness programme for visitors on ways to prevent spread of COVID -19. As a precautionary measure, hand sanitizers were placed in various locations around the park for staff and visitors. For prevention of sexual harassment, internal complaint committee was reconstituted for the redressal of harassment for women at workplace.

Abstract of Special Days

Date	Event	Description	Target Audience
5 th June	World Environment Day	Planting in all sections Launch of battery vehicles Display of air pollution model	Staff and zoo visitors
17 th June	World Crocodile day	Display of facts about crocodiles, their importance to the ecosystem and threats they face	Zoo Visitors
21 st June	World Yoga Day	Free Yoga Session	Staff & their families
14 th July	World Snake Day	Awareness talks on importance of snakes to the ecosystem, dos and don'ts about snake bites and ways to reduce human snake conflict.	Zoo Visitors
28 th & 29 th July	World Tiger Day	<ul style="list-style-type: none"> • Release of tiger cubs for display to the public in the safari area • Tiger cub named Hima after athlete Hima Das. • Tiger handimals done by the public and awareness • Session for School of India students: Awareness about tigers, the threats they face and ways to conserve them & skit on prey & predator relation 	Zoo Visitors & School Students
11 th August	World Elephant Day	<ul style="list-style-type: none"> • Elephant calf naming ceremony • Display of crafts made by elephant keepers and staff from HakkiPikki colony • Display of facts, behavior about elephants • Quiz on elephants 	Zoo Visitors
14 th & 15 th September	Karnataka State Butterfly Release	<ul style="list-style-type: none"> • Guided tour of the Butterfly Park by Entomologist • Butterfly theme competitions : Drawing, painting, handimals, essay, recitation • Release of Karnataka state butterfly in dome area by winners of competitions. 	120 students from various private & government schools participated
15 th December	World Monkey Day	Awareness talk about importance of monkeys to the ecosystem by Zoo Club members and negative impacts of feeding free ranging bonnet macaques at the zoo.	Zoo Visitors
1 st March	World Wildlife Day	<ul style="list-style-type: none"> • Silent walk creating awareness on importance of sustaining all life on earth • Adoption Of Leopard Apsara for 3 months by Rotaract District 3190 	Zoo Visitors
8 th March	International Womens Day	<ul style="list-style-type: none"> • Honouring our women staff • Reconstitution of sexual harassment committee • Awareness creation about ways to prevent spread of COVID 19 by women staff and Zoo Club volunteers. • Adoption & naming of wild, abandoned female Elephant calf 	Zoo staff, visitors

d. EVENTS

Wildlife Week :

Wildlife Week was celebrated in the first week of October and commenced with a nature walk for citizens on 2nd October to explore the biodiversity present in BBBP and 64 species of birds were identified during the nature walk with the guidance of naturalists.

Since 4th October coincides with International Zoo Keepers Day, 250 government school students learnt about zoo animals by interacting with zoo keepers and greeting cards were made for the keepers to recognise their role in conservation. Students from PVP High School (Govt. Aided) also took part in a wildlife rally from Bannerghatta circle to BBBP, creating awareness on wildlife and nature conservation to the public through slogans.

On 6th October, Zoo Club, a 15 week programme, for 6th to 12th grade students was launched with interaction sessions with the keepers as well as planting activities. During the week, zoo visitors were encouraged to take the wildlife pledge to recognise their fundamental duties as a citizen to conserve, protect wildlife and nature as per Article 51(A) of the Constitution of India.

Big FM Contest: As part of Wildlife Week 2019, an outreach awareness programme was created in partnership with Big FM through a contest conducted on radio on Animal Sounds. The winners received a voucher to visit the Zoo, Safari and Butterfly Park as well as Lunch.

Zoo Club :

Zoo Club is a 15 week programme conducted on Sundays which aims to inspire young minds to connect with nature, wildlife and work towards conservation of wild.

Touch Table talks by Zoo Club Volunteers



Schedule of Zoo Club 2019-20

- 06/10/2019 • Inauguration of Zoo Club
• Meet the Keepers Session
• Planting native species
- 13/10/2019 Introduction to animal groups
- 20/10/2019 Session in Butterfly Park on adaptations and conservation of invertebrates
- 27/10/2019 Awareness creation on pollution and its ill effects in Byrapanahalli and Sampigehalli Village
- 03/11/2019 Adaptations of Mammals
- 10/11/2019 Adaptations of Birds by Biologist, Kum.Aishwarya
- 17/11/2019 Behavioral adaptations of animals
- 24/11/2019 Adaptations of Reptiles by Reptile Keepers, Sri.Mallikarjuna, Sri.Sannahalage Gowda and Sri.Shivnanja
- 01/12/2019 Nature Walk and Conservation talk by Dr. AJT Johnsingh
- 08/12/2019 Meet the veterinarian, Dr.Umashankar
- 15/12/2019 Awareness Creation on World Monkey Day
- 22/12/2019 Behavioral Observations of captive animals
- 29/12/2019 Educational talk for the public by Zoo Club Members
- 05/01/2020 • Visit to Feeding room to understand nutritional requirements of various species.
• Session with RFO, Sri. Praveen on in situ conservation
- 12/01/2020 Visit to Safari & Awareness creation through street play
- 19/01/2020 Convocation and handimal activity

Zoo club volunteers conducted touch table talks & skits with various themes related to nature and wildlife conservation on weekends to create awareness for zoo visitors.

Topics include:

- Waste segregation and 3Rs
- Role of Zoos in conservation
- Summer management for local wildlife
- Impact of pollution and ways to reduce it
- Animal adaptation & their role in maintaining a balance in the ecosystem

Summer Camp :

60 children participated in the day long Summer camp conducted on 24th April, 26th April, 2nd May 2019. Activities included insight into captive management, animal observations, introduction to animal groups, planting while visiting Zoo, Butterfly Park & Safari.

Conservation Talk :

A unique session for visitors & students to get an insight into the lives of experts in the field of biodiversity conservation.



Talk on “Sustainable Conservation” by Sri. B P Ravi, IFS Assistant Principal Chief Conservation of Forests & Member Secretary, Zoo Authority of Karnataka (December 2019)



Talk on “Conservation in India with special reference to Karnataka” by Dr. A.J.T John Singh (December 2019)

Naming Ceremony of Elephant calves and Tiger Cub :

- Female cub of Tiger Amar & Tigress Vismaya was named Hima, after gold medalist Hima Das.
- Elephant Veda’s female calf was named Shruthi, by zoo visitors through a lucky dip on World Elephant Day.
- Elephant Vanashree’s female calf was named Tulsi, after Padmashri Awardee Tulsi Gowda.
- Wild, abandoned elephant calf was adopted by Mrs.Snehalata and Mr.Dinesh Kumar Singhi for one year on Women’s Day and was named ‘Sarawathi’.

Interactive learning for Students with Special Needs



As an alternative learning method, students learn to identify plaster of paris casting of animal pugmarks, feathers and eggs of various birds and animals.

Special Initiatives

Behavioural Change Training for BBP Staff :

Resource persons from Kaushalya Vikas Kendra trained BBBP staff on body language, self confidence, good communication skills to give the visitors an educational and informative experience.



An information kiosk



Information kiosk for information related to Animal Adoption, Education & Outreach, Volunteering and to obtain Feedback from zoo visitors.

Service Learning for College Students

Students from Christ University conducted a service learning programme at Wildlife Rescue and Rehabilitation Centre (WRRRC) to understand concepts of animal psychology, comparative psychology, Anthrozoology, animal rehabilitation and ethology.



Exposure Visit for College Students

B.sc, students from Bishop Hebbar College visited BBBP for a week as part of their Exposure Visit to understand the functioning and management of a zoo. Students conducted behavioural observations of zoo animals to understand impact of visitor density on captive animals, their feeding habits and identification of different species housed in the zoo. They also got hands on experience on management of different life stages of a butterfly along with creating awareness to zoo visitors.



Outreach

- Talk on Animal Behaviour at Government Rural College , Kanakpura (October 2019)
- Talk on Careers with Wildlife, Baldwin Girl's High School (October, 2019)



ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನವನದಲ್ಲಿ ವನ್ಯಜೀವಿ ಸಂರಕ್ಷಣೆಗೆ ಮುಂದಾಗಿ: ವಿಪಿನ್ ಸಿಂಗ್
ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನವನದಲ್ಲಿ ಉದ್ಯಾನವನದಲ್ಲಿ ಧಾನವಾರ ವಿಶಿಷ್ಟವಾಗಿ

ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನವನದಲ್ಲಿ ವನ್ಯಜೀವಿ ಸಂರಕ್ಷಣೆಗೆ ಮುಂದಾಗಿ: ವಿಪಿನ್ ಸಿಂಗ್
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ಹೆಣ್ಣು ಮರಿಗೆ ಜನ್ಮ ನೀಡಿದ ಆನೆ



Bannerghatta Park releases State Butterfly

Bannerghatta Biological Park makes special arrangements to keep animals cool

Business Standard

Bannerghatta Biological Park makes special arrangements to keep animals cool

ANI | General News

Water Budgeting

ಬನ್ನೇರುಘಟ್ಟ ಉದ್ಯಾನದಲ್ಲಿ ಆನೆ ದಿನಾಚರಣೆ

Bangalore zoo names 'Hima Das' tiger cub, '6 month old

Bannerghatta Biological Park announces a six month old Royal Bengal tiger cub in the zoo as International Tiger Day 2019. In honour of the sprint queen's stunning performance of bagging five gold medals in the month the Zoo has named it.

Bannerghatta Biological Park makes special arrangements to keep animals cool

Business Standard

ANI | General News

Water Budgeting




Educational Signages

ನಾನು ಎಲ್ಲಿ ಇದ್ದೇನೆ?? Where am I ??

Bannerghatta Biological Park is on the Northern most tip of Mysore Elephant Reserve.

ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನವನವು ಮೈಸೂರು ಆನೆ ಮೀಸಲು ಪ್ರದೇಶದ ಉತ್ತರದ ತುದಿಯಲ್ಲಿದೆ.

Bannerghatta National Park is connected with Cauvery Wildlife sanctuary, BRT Tiger Reserve, Bandipur Tiger Reserve, Nagarahole Tiger Reserve, Brahmagiri Wildlife Sanctuary of Karnataka; Sathyamangalam Tiger Reserve and Madumalai Tiger Reserve of Tamil Nadu and Wayanad Wildlife Sanctuary of Kerala

ಬೆಂಗಳೂರು ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನವನ

ರಾಷ್ಟ್ರೀಯ ಮೃಗಾಲಯ ನೀತಿ 1998

ರಾಷ್ಟ್ರೀಯ ಮೃಗಾಲಯ ನೀತಿ 1998ರ ಪ್ರಕಾರ ಮೃಗಾಲಯಗಳ ಮೂಲಕ ಪ್ರಾದೇಶಿಕವಿವಿಧತೆಯ ದೇಶದ ತ್ರಿಮಂಡಲ ಅಭಿವೃದ್ಧಿಯನ್ನು ಒಳಗಡೆಗಾಗಿ ಪರಿರಕ್ಷಿಸುವುದು ಸುರಕ್ಷಿತವಾದ ರಾಷ್ಟ್ರೀಯ ಪ್ರದೇಶಗಳನ್ನು ಉಳಿಸುವುದು ಈ ಕೆಳಕಂಡ ಉದ್ದೇಶಗಳ ಮೂಲಕವಾಗಬೇಕು

- ಮೂಲಾಭ್ಯಾಸದ ಮೂಲಕ ಸುರಕ್ಷಣೆ
- ಶಿಕ್ಷಣ
- ಸಂಶೋಧನೆ
- ಸಂರಕ್ಷಣಾತ್ಮಕವಾದ ಸುರಕ್ಷಣೆ
- ರಕ್ಷಣೆ ಮತ್ತು ಮರಣಶಿಕ್ಷಣ

National Zoo Policy 1998

This is to inform that as per the National Zoo Policy 1998, the main objective of the zoos are to complement and strengthen the national efforts in conservation of rich biodiversity of the country particularly wild fauna through

- Ex-situ Conservation
- Education
- Research
- Conservation Breeding
- Rescue and Rehabilitation

ಮೃಗಾಲಯ ಪ್ರತಿಜ್ಞಾವಿಧಿ

ನನಗೆ ಮೃಗಾಲಯಗಳು ವನ್ಯಜೀವಿ ಮತ್ತು ಪೀನವೈವಿಧ್ಯತೆಯ ಸಂರಕ್ಷಣೆಯಲ್ಲಿ ಪ್ರಮುಖ ಪಾತ್ರವಹಿಸುತ್ತವೆ ಎಂಬ ಅರಿವಿದೆ.

ನಮ್ಮ ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನವನದಲ್ಲಿ ನೋಡಲು ಹೆಚ್ಚು ಪ್ರಭೇದದ ಎರಡು ಸಾವಿರಕ್ಕೂ ಹೆಚ್ಚು ಪ್ರಾಣಿಪಕ್ಷಿಗಳನ್ನು ಹೊಂದಿದ್ದು, ತೊಂದರೆಗೊಳಗಾದ ವನ್ಯ ಜೀವಿಗಳನ್ನು ರಕ್ಷಿಸಿ ಪ್ರಸಾರಿಸಿ ನೀಡಲು ಸರ್ಕಾರಕ್ಕೆ ಸೇವಾಸಕ್ತರಾಗಿದ್ದೇನೆ.

ಮೂಲಾಭ್ಯಾಸದ ಹೊರಗಿನ ವನ್ಯಜೀವಿಗಳ ಸಂರಕ್ಷಣೆ, ಶಿಕ್ಷಣ, ಜಾಗೃತಿ, ಸಂಶೋಧನೆ ಮತ್ತು ಸಂರಕ್ಷಣಾ ಸಂವಹನಾತ್ಮಕತೆಯ ಉದ್ದೇಶವನ್ನು ಸಾಧಿಸುವಲ್ಲಿ ನನ್ನ ಕೊಡುಗೆಯು ಬೃಗ್ಗೆ ನನಗೆ ಹೆಮ್ಮೆ ಇದೆ.

ಮೇಲ್ಕಂಡ ಗುರಿಗಳನ್ನು ಸಾಧಿಸಲು ನನ್ನ ಪ್ರಾಮಾಣಿಕ ಪ್ರಯತ್ನ ಮತ್ತು ಆದಕ್ಕೆ ಪೂರಕವಾದ ಎಲ್ಲಾ ರೀತಿಯ ಸಹಕಾರಗಳನ್ನು ನೀಡಲು ನಾನು ಸಿದ್ಧನಿದ್ದೇನೆ ಎಂದು ಪ್ರತಿಜ್ಞೆ ಮಾಡುತ್ತೇನೆ.

Zoo Pledge

I'm aware that the Zoos play an important role in conservation of wildlife and biodiversity.

Our Bannerghatta Biological Park housing 2000+ animals of 100+ species, is also extending support in Rescue and rehabilitation program of the Government.

I'm proud of my contribution in achieving the objective of ex situ conservation, education and awareness creation, Research and conservation breeding.

ಜೈವಿಕ ಭದ್ರತೆ Bio Security

Dip your footwear completely in the Potassium permanganate / monopersulphate compound to disinfect and prevent disease transmission.

Thank you for your co-operation !!!

ಸೋಂಕುರಹಿತ ಮತ್ತು ರೋಗ ಹರಡುವುದನ್ನು ತಡೆಗಟ್ಟಲು ನಿಮ್ಮ ಪಾದರಕ್ಷೆಗಳನ್ನು ಪೊಟ್ಯಾಸಿಯಮ್ ಪೆರ್ಮಾಂಗೇನೇಟ್ / ಮೊನೊಪರ್ಸಲ್ಫೇಟ್ ಸಂಯುಕ್ತದಲ್ಲಿ ಸಂಪೂರ್ಣವಾಗಿ ಅದ್ದಿ.

ನಿಮ್ಮ ಸಹಕಾರಕ್ಕಾಗಿ ಧನ್ಯವಾದಗಳು !!!

ವನ್ಯಜೀವಿ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ 1972 Wildlife Protection Act 1972

Section 38 J: Prohibition of teasing, etc. in a zoo

- No person shall tease, molest, injure or feed any animal or cause disturbance to the animals by noise, otherwise or litter the grounds in the zoo.
- Any person found violating the above, shall be punishable with imprisonment upto 6 months or fine upto Rs.2000 or both.

ಬಿಚ್ಚಿ ತಿಳಿಸಿ: ವನ್ಯಜೀವಿಗಳನ್ನು ತೊಲೆದಾಡುವುದನ್ನು ನಿಷೇಧಿಸುವುದು

- ಯಾವುದೇ ವ್ಯಕ್ತಿಯು ಪ್ರಾಣಿಗಳನ್ನು ತೊಲೆದಾಡುವುದು, ಕಿಡೀಕರಿಸುವುದು, ಗಾಬರಿಗೊಳಿಸುವುದು, ಉದ್ದೇಶಪೂರ್ವಕವಾಗಿ ಧ್ವನಿ ಮಾಡುವುದು ಅಥವಾ ಪ್ರಾಣಿಗಳನ್ನು ತೊಲೆದಾಡುವುದು ಮಾಡುವುದು.
- ಯಾವುದೇ ವ್ಯಕ್ತಿ, ಮೇಲ್ಕಂಡ ವಿಧಿಯನ್ನು ಉಲ್ಲಂಘಿಸಿದರೆ 6 ತಿಂಗಳುಗಳ ಜೈಲ ಅಥವಾ ರೂ.2000 - ವರೆಗೆ ದಂಡ ಅಥವಾ ಅದಕ್ಕಿಂತ ಹೆಚ್ಚಿನ ದಂಡವನ್ನು ವಿಧಿಸಬಹುದು.

ಜಾಗತಿಕವಾಗಿ ಯೋಚಿಸಿ, ಸ್ಥಳೀಯವಾಗಿ ವರ್ತಿಸಿ!! Think Globally, Act Locally!!

We are committed to Protect, Restore and Promote sustainable use of terrestrial ecosystems and to conserve biodiversity!!

ಭೂಮಿಯ ಪರಿಸರ ವ್ಯವಸ್ಥೆಯ ಸುಸ್ಥಿರ ಬಳಕೆಯನ್ನು ರಕ್ಷಿಸಲು, ಪುನಃಸ್ಥಾಪಿಸಲು, ಉತ್ಪಾದಕವಾಗಿ ಮತ್ತು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಸುರಕ್ಷಿಸಲು ನಾವು ಬದ್ಧರಾಗಿದ್ದೇವೆ.

Let's join hands to achieve goals and targets set by united Nations' Sustainable Development Goals (SDGs)

ವಿಶ್ವಸಂಸ್ಥೆಯ ಸುಸ್ಥಿರ ಗುರಿಗಳನ್ನು ಸಾಧಿಸಲು ಕೈಹೂಡೋಣ

Bengaluru Bannerghatta Biological Park

ಪ್ಲಾಸ್ಟಿಕ್ ರಹಿತ ವಲಯ

PLASTIC FREE ZONE

ಕನಿಷ್ಠ ದಂಡ ರೂ:೫೦೦
FINE > Rs: 500

Did you know ??

India is the snakebite capital of the world !!

Every year, approximately five million people worldwide are bitten by venomous snakes, resulting in about 4,00,000 amputations and more than 1,00,000 deaths. In India, each year, about 46,000 people die and 1,40,000 people are disabled from snakebite by the 'Big 4' - the Indian Cobra, the Common Krait, Russell's Viper, and the saw-scaled viper.

ನೀವು ಮಾಲಿನ್ಯ ಮುಕ್ತ ವಾತಾವರಣದಲ್ಲಿದ್ದೀರಾ? Are you in a pollution free environment?

The grayish green patch on the tree bark or on the rocks are Lichens!

ಮರದ ತೋಟೆಯ ಮೇಲೆ ಅಥವಾ ಬಂಡೆಗಳ ಮೇಲೆ ಕಾಣುವ ಖಾದ್ಯವಿಲ್ಲದ ಹಸಿರು ಗುರುತುಗಳು ಕೆಲವು ಪೂವುಗಳು

- Lichens are bizarre creation consisting of a symbiotic relationship of algae and fungus. ಕೆಲವು ಪೂವುಗಳು ಪಾತಿ ಮತ್ತು ಶಿಲೀಹೂವುಗಳ ಸಹಜವನದ ಸಂಬಂಧವನ್ನು ಒಳಗೊಂಡಿರುವ ವಿಲಕ್ಷಣ ಸೃಷ್ಟಿಗಳಾಗಿವೆ.
- Lichens need clean air to grow as they are very sensitive to atmospheric pollutants such as sulphur dioxide and act as an indicator for pollution free environment

ಕೆಲವು ಪೂವುಗಳು ಬೆಳೆಯಲು ಶುದ್ಧವಾಯು ಅಗತ್ಯವಿರುತ್ತದೆ ಏಕೆಂದರೆ ಅವು ಸಲ್ಫರ್ ಡೈಆಕ್ಸೈಡ್‌ನಂತಹ ವಾತಾವರಣದ ಮಾಲಿನ್ಯಕಾರಕಗಳಿಗೆ ಏಕೆ ಸೂಕ್ಷ್ಮವಾಗಿರುತ್ತವೆ. ಹಾಗಾಗಿ ಇವು ಮಾಲಿನ್ಯ ಮುಕ್ತ ವಾತಾವರಣದ ಸೂಚಕಗಳಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತವೆ.



Bengaluru Bannerghatta Biological Park

ಬೆಂಗಳೂರು ಬನ್ನೇರುಘಟ್ಟ ಜೈವಿಕ ಉದ್ಯಾನದಿಂದ



ನಮ್ಮ ಪಾರ್ಕ್ ನಮ್ಮ ಕರ್ತವ್ಯ

ಪ್ರಾಣಿಗಳಿಗೆ ಆಹಾರ ನೀಡಬೇಡಿ		DO NOT FEED ANIMALS
ಪ್ರಾಣಿಗಳಿಗೆ ಕಿಟಕಿ ಮಾಡಬೇಡಿ		DO NOT TEASE ANIMALS
ಬೆಲೆ ದಾಟಬೇಡಿ		DO NOT CROSS BARRICADES
ನಿಶ್ಯಬ್ದವಾಗಿರಿ		MAINTAIN SILENCE
ಕಸದ ಬುಟ್ಟಿಗಳನ್ನು ಉಪಯೋಗಿಸಿ		DO NOT LITTER USE DUSTBIN
ಉಗುಳಬಾರದು		DO NOT SPIT
ಧೂಮಪಾನ ನಿಷೇಧ		NO SMOKING
ಮದ್ಯಪಾನ ನಿಷೇಧಿಸಲಾಗಿದೆ		ALCOHOL PROHIBITED
ಹೂ ಮತ್ತು ಎಲೆಗಳನ್ನು ಕೀಳಬೇಡಿ		DO NOT PLUCK FLOWER AND LEAVES

ಈ ಪ್ರದೇಶವು ಸಿಸಿಟಿವಿ ಕಣ್ಗಾವಲಿನಲ್ಲಿದೆ
YOU ARE UNDER CCTV SURVEILLANCE

**ಕನಿಷ್ಠ ದಂಡ ರೂ: 500
FINE > Rs: 500**

ವನ್ಯಜೀವಿ ಬುದ್ಧಿವಂತಿಕೆ Wildlife Wisdom



Animal Habitat ಪ್ರಾಣಿಗಳ ಆವಾಸಸ್ಥಾನಗಳು



Human Habitation ಮಾನವ ಆವಾಸಸ್ಥಾನಗಳು

ದೋಣಿ ವಿಹಾರದ ಪರಿಸರ ಪ್ರಯೋಜನಗಳು Eco Benefits of Boating

ನೀವು ಪೆದಲೆ ಮಾಡಿದಾಗ, ನೀರು ಗಾಳಿ ಜೋಡಿಸುತ್ತದೆ.....

- ನೀರಿನ ಗುಣಮಟ್ಟವನ್ನು ಸುಧಾರಿಸುತ್ತದೆ
- ಪಾತೆಗಳ ಅತಿಯಾದ ಬೆಳವಣಿಗೆಯನ್ನು ನಿಯಂತ್ರಿಸುತ್ತದೆ
- ಕೆಲವು ವಾಸನೆಯನ್ನು ತೆಗೆದುಹಾಕುತ್ತದೆ
- ಮೀನು ಮತ್ತು ಇತರ ಜಲವಾಸಿ ವನ್ಯಜೀವಿಗಳಿಗೆ ಆವಾಸಸ್ಥಾನವನ್ನು ಹೆಚ್ಚಿಸುತ್ತದೆ
- ಕೆಲಭಾಗದ ಕೊಳವುಗಳ ಸಂರಕ್ಷಣೆಯನ್ನು ಕಡಿಮೆ ಮಾಡುತ್ತದೆ ಮತ್ತು ಅಂತಿಮವಾಗಿ ಯುಟ್ರೊಫಿಕೇಶನ್ ಪ್ರಕ್ರಿಯೆಯನ್ನು ನಿಧಾನಗೊಳಿಸುತ್ತದೆ

When you pedal, water aerates.....

- Improving water quality
- Regulates and controls excessive growth of algae
- Removes bad odour
- Enhances habitat for fish and other aquatic wildlife
- Reduces accumulation of bottom sediments And ultimately slows down the process of Eutrophication





20 Enrichment Activities

Enrichment is the process of enhancing quality of a living being. In zoos enrichment activities allows animals to exhibit natural behaviour in captivity, increasing their control over the environment. Types of enrichment includes structural/ physical, food, cognitive, sensory and social enrichment. Various enrichment activities implemented in the park are:

Structural enrichment:

Introducing new things inside the enclosure to encourage physical activity of the animals.

Primate enclosures were provided with swings & platforms. Different parts of enclosure were connected using fire hose and thick jute ropes.



Fire hose hammock and swing for black bears to provide resting platform as well as to encourage play behavior.



Dens were constructed in the new lesser carnivore enclosures to provide privacy for the canids and also to provide a secure place for them to deliver young. Shallow water pool in the enclosure to provide fresh water access to animals always as well as to allow them to cool their body during hot days.



Planting fruit bearing trees inside new deer enclosures to provide natural shelter as well as fresh fruits and browse to ruminants. Tree guard using nilgiri poles and chain-link mesh was installed to avoid damage to the tree trunk and new saplings by deer.



Seasonal enrichment:

Shallow water troughs for parrot species to aid water bath when necessary



Water puddle for Emu's to aid water bath to cool their body during hot days.



Water sprinkler for reptiles and mammals to keep their body and environment cool during hot days.



Shallow area filled with mud in Ostrich enclosures to aid mud bath during summer to keep their feathers clean.



Feeding enrichment:

A chain of bamboo feeder with holes of varied size was filled with food and presented to Pig-tailed monkeys. The primates were supposed to rotate the bamboo to spill the food out for consumption. Macaques were seen jumping on the feeder and trying to manipulate bamboo to get access to the food inside it.



A simple braided fire hose with food placed at various places were presented to Hanuman langurs. Langurs were seen trying to pick their favorite food by foraging throughout the browser showing more interest in leafy vegetables first compared to other fruits and vegetables presented.



A simple fire hose browser was filled with food and hung inside the enclosure. The feeder was hung above the ground level for the Spectacled Langurs to jump on the browser to get access to food. Different age grouped langurs adopted a different strategy to get access to food. Younger langurs tried to jump over the browser directly to pick their favorite food, while the older primates tried to pull the browser closer towards them to collect food.

A fire hose cube filled with groundnut was given to Hamadryas Baboon, where the animal had to rotate/ shake the cube to get access to the treats inside.



A fire hose cube with groundnuts inside was presented to the animal wherein, the primate was supposed to manipulate the cube by rotating/ shaking to get access to the nuts inside.



A bamboo feeder filled with pieces of fruits and vegetables had sticks across it to hold the food from falling was hung in the enclosure. The animal was expected to learn to remove the sticks to get access to the food inside which contributes in increasing problem-solving capability of the primates.



Whole wood apple (bael fruit), shelled walnut & almonds was given to Lion tailed macaque occasionally to allow the animal to break open the hard-shell using tools. The animal was observed dropping the fruit from above on a hard surface to break the hard shell. Walnut and almond shell were broken using their strong teeth.



Whole walnuts, almonds and sugarcane sticks were given to macaws and other parrots occasionally, to allow these birds to break open the hard shell using their strong beak.



Ball browser made of fire hose filled with vegetables and green grass was given to Zebra. The animal was seen trying to get the food out of the browser by pulling the grass or by kicking the ball to rotate resulting in spilling out the vegetables on ground.



21 Research Work carried out and publications

The study of HAPPINESS INDEX of Wild Animals in captive condition

- 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
- enzyme immunoassays (EIA/ELISA) have been developed and successfully tested, to enable the measurement of groups of cortisol metabolites in animal feces
- In times of stress, hormones such as glucocorticoids are produced by the adrenal glands. Cortisol is the main glucocorticoid in most animal species. This cortisol is excreted in the faeces
- Stress hormones are also linked with reducing reproductive hormones and suppressing the ability to reproduce

Animals used for the study :

Faecal samples collection:

1. Zebra
2. Giraffee
3. Tiger
4. Lion
5. Lion tailed Monkey

Methods of hormone detection

- Fresh fecal samples in different time intervals and seasons were collected with the help of Animal keeper
- the fecal cortisol is extracted using ethanol and the samples are stored
- analyze the samples using Fecal Cortisol ELISA method

Extraction of faecal cortisol using ethanol



CONCLUSION:

Measurement of the hormones cortisol, which is produced by the adrenal glands in times of stress can be used to provide information on the body's response to a wide variety of situations. Regular and long-term monitoring of hormones associated with both stress and reproduction will help researchers to understand how animals respond to a variety of situations.

22 Conservation Breeding Programme of the Zoo

No Conservation Breeding Program within the zoo has been taken up during the year



Form – II (See Rule 11(1)) Part – A
Inventory Report for the Year 2019-20
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 01/04/2018				Births			Acquisitions			Disposals			Deaths			Stock as on 31/03/2019			
		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>	9	17	14	40	0	0	5	0	1	0	0	0	0	1	0	0	16	26	3	45
2	Leopard - <i>Panthera pardus</i>	18	14	0	32	0	0	0	4	3	0	0	0	0	1	1	0	21	16	0	37
3	Lion Tailed Macaque - <i>Macaca silenus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
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	0	0	0	5	7	0	12
6	Macaque Rhesus - <i>Macaca mulatta</i>	6	4	0	10	0	0	2	0	0	0	0	0	0	0	0	0	6	6	0	10
7	Common or Hanuman Langur - <i>Semnopithecus entellus</i>	1	2	0	3	0	0	1	1	0	0	0	0	0	1	0	0	2	1	1	4
8	Shanghai /Thamin Deer - <i>Rucervus eldii eldii</i>	9	5	5	19	0	0	2	0	0	0	0	0	3	0	0	0	8	8	2	18
9	Wild Dogs - <i>Cuon alpinus</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5
10	Indian Grey Wolf - <i>Canis lupus pallipes</i>	2	2	0	4	3	1	0	0	0	0	0	0	0	0	0	0	5	3	0	8
11	Four horned Antelope - <i>Tetraceros quadricornis</i>	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
12	Jungle Cat - <i>Felis chaus</i>	6	3	3	12	0	0	1	0	0	0	0	0	0	0	0	0	10	3	0	13
13	Spectacled Langur - <i>Trachypithecus phayrei</i>	3	2	0	5	0	0	1	0	0	0	0	0	1	0	0	0	2	2	1	5
14	Pig Tailed Macaque - <i>Macaca leonina blyth</i>	4	2	2	8	0	0	0	0	0	0	0	0	1	1	0	0	4	2	0	6
15	Assamese Macaque (Hybrid) - <i>Macaca assamensis</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
16	Toddy Cat - <i>Paradoxurus hemaphroditus</i>	1	1	3	5	0	0	0	0	0	0	0	0	1	0	0	0	1	1	3	5
17	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
18	Sloth Bear - <i>Mellursus ursinus</i>	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	2	0	3
Total		74	69	27	170	3	1	12	6	6	0	0	0	10	3	0	89	89	7	185	

* Pig tailed undermined infant sex changed
* Rhesus monkey undetermined infant sex changed to female

* Thamin deer undermined calf sex changed
* Blackbuck undermined calf sex changed
* Grey slender loris released to herbivore safari area

* Jungle cat undetermined kitten sex changed to male
* Toddy cat undetermined sex changed

Zoo : Birds

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Great Indian Horn bill - <i>Buceros bicornis</i>	0	1	0	1													0	1	0	1
2	Pea fowl Indian - <i>Pavo cristatus</i>	3	3	2	8	0	0	2	0	0	0	0	0	0	2	0	0	2	4	0	6
2a	Pea fowl white - <i>Pavo cristatus</i>	3	1	0	4													3	1	0	4
3	White stork - <i>Ciconia ciconia</i>	1	0	0	1													1	0	0	1
4	Kalij Pheasant - <i>Lophura leucomelanos</i>	0	1	0	1													0	1	0	1
Total		7	6	2	15	0	0	0	0	0	0	0	0	0	2	0	0	6	7	0	13

Zoo : Reptiles

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Crocodile long snouted Gharial - <i>Gavialis gangeticus</i>	0	4	0	4													0	4	0	4
2	Indian Rock Python - <i>Python molurus</i>	1	1	1	3	0	0	0	1	0	3	0	0	0	0	0	0	2	1	4	7
3	Indian Cobra - <i>Naja naja</i>	9	8	0	17													9	8	0	17
4	King Cobra - <i>Ophiophagus hannah</i>	3	2	0	5	0	0	0	1	0	0	0	0	0	1	0	0	4	1	0	5
5	Viper Russells - <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	1	2	0	0	0	0	0	4	0	0	0	1	2	0	0	1	2	3
7	Rat Snake - <i>Ptyas mucosa</i>	0	0	30	30													0	0	30	30
8	Black Spotted Terrapins - <i>Geoclemys hamiltonii</i>	0	29	20	49	0	0	0	0	0	0	0	0	2	1	0	0	28	18	46	
9	Batagar Terrapin or River Terrapin <i>Batagur baska</i>	16	17	0	33	0	0	2	0	0	0	0	0	0	0	1	16	17	1	34	
10	Indian Mud or Flapshell Turtle <i>Lissemys punctata</i>	1	0	4	5	0	0	0	0	0	3	0	0	0	0	0	0	1	0	7	8
11	Red Crowned Roof Turtle - <i>Batagur kachuga</i>	0	0	4	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	3
12	Tricarinate Hill Turtle - <i>Melanochelys tricarinata</i>	26	17	14	57	0	0	0	0	0	0	0	0	7	3	0	19	28	0	47	
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
Total		58	81	76	215	0	0	2	2	0	10	0	0	10	7	2	53	90	67	210	



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 01/04/2019				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	Hippopotamus - <i>Hippopotamus amphibius</i>	4	3	0	7	1	0	0	0	0	0	0	0	0	0	1	0	0	4	3	0	7
2	Indian crested Porcupine - <i>Hystrix indica</i>	3	5	0	8	0	0	0	0	0	0	0	0	0	0	2	0	0	3	3	0	6
3	Chital or Spotted deer - <i>Axis axis</i>	7	11	13	31	0	0	1	0	0	0	0	0	0	0	0	0	13	18	1	32	
4	Indian Hog Deer - <i>Axis porcinus</i>	6	22	2	30	0	0	1	0	0	0	0	0	0	2	3	0	4	19	3	26	
5	Barking Deer - <i>Muntiacus muntjak</i>	4	7	2	13	0	0	1	0	0	0	0	0	0	1	2	0	6	5	0	11	
6	Striped Hyena - <i>Hyaena hyaena</i>	1	1	0	2	0	0	0	1	1	0	0	0	0	0	0	0	2	2	0	4	
7	Nilgai or Blue Bull - <i>Boselaphus tragocamelus</i>	1	4	8	13	0	0	2	0	0	0	0	0	0	1	1	0	1	10	2	13	
8	Zebra - <i>Equus quagga</i>	3	1	0	4	1	0	0	0	0	0	0	0	0	1	0	0	3	1	0	4	
9	Giraffe - <i>Giraffa camelopardalis</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
10	Hamadryas Babbon - <i>Papio hamadryas</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
11	Himalayan Goral - <i>Nemorhaedus goral</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
	Total	29	57	25	111	2	0	5	1	1	0	0	0	0	6	9	0	36	63	6	105	

* Barking deer undetermined calf sex changed to male

* Spotted deer undetermined calf sex changed

* Nilgai undetermined calf sex changed

Reptiles

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Red Sand Boa - <i>Eryx johnii</i>	1	0	0	1	0	0	0	0	0	3	0	0	0	0	2	0	1	0	1	2
2	Tortoise Indian Star - <i>Geochelone elegans</i>	30	141	7	178	0	0	0	0	0	0	0	0	14	19	3	39	101	2	142	
3	Spectacled Caiman - <i>Caiman crocodilus</i>	10	10	0	20	0	0	0	0	0	0	0	0	1	0	0	9	10	0	19	
4	Red-eared slider turtle - <i>Trachemys scripta elegans</i>	31	24	10	65	0	0	0	0	0	10	0	0	0	1	0	36	28	0	64	
5	Morelet's Crocodile - <i>Crocodylus moreletii</i>	0	1	0	1												0	1	0	1	
6	Green Iguana - <i>Iguana iguana</i>	2	2	0	4	0	0	0	0	0	4	0	0	0	1	0	1	2	0	3	
7	Red Iguana - <i>Iguana iguana</i>	1	1	0	2												1	1	0	2	
8	Common Krait - <i>Bungarus caeruleus</i>	0	0	1	1												0	0	1	1	
9	Common Sand boa - <i>Gongylophis conicus</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	
10	Common Wolf Snake - <i>Lycodon aulicus</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	1	
	Total	75	179	18	272	0	0	0	0	0	5	0	0	0	16	22	3	87	143	6	236

Birds

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Baya Weaver - <i>Ploceus phillinus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
2	Love Birds - <i>Agapornis roseicollis</i>	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
3	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
4	Black crowned Heron Night - <i>Nycticorax nycticorax</i>	15	30	4	49	0	0	0	0	0	0	0	0	0	0	0	0	15	30	4	49
5	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
6	Budgeriger - <i>Melopsittacus undulatus</i>	48	45	10	103	0	0	0	0	0	0	0	0	6	5	0	42	40	10	92	
7	Munia Black Headed - <i>Lonchura punctuelata</i>	3	3	0	6	0	0	0	0	0	0	0	0	3	1	0	0	2	0	2	
8	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
9	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
10	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	
11	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
12	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	
13	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	
14	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	
15	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	
16	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	
17	Emu - <i>Dromaius novaehollandiae</i>	4	3	0	7	0	0	0	0	0	0	0	0	0	0	0	4	3	0	7	
18	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	
19	Ostrich - <i>Struthio camelus</i>	2	2	0	4	0	0	0	0	0	0	0	0	2	0	0	2	2	0	4	
20	Ring necked Pheasant - <i>Phasianus colchicus</i>	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
21	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	
22	Silver Pheasant - <i>Lophra nycthemera nyctenera</i>	7	8	0	15	0	0	0	0	0	0	0	0	0	0	0	7	8	0	15	
23	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	
24	Rhea - <i>Rhea americana</i>	2	0	1	3	0	0	0	0	0	0	0	0	0	0	0	2	0	1	3	
25	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	
26	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	
27	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	

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	
28	Jandaya Conure - <i>Aratinga jandaya</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	
29	Black Crowned Crane - <i>Balearica pavonina</i>	1	1	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	2	2	0	4
30	Blue Gold Macaws - <i>Ara ararauna</i>	1	1	2	4	0	0	2	0	0	1	0	0	0	0	0	0	1	1	5	7	
31	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	2	
32	Electus Parrot - <i>Electus roratus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	2	
33	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	2	
34	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	2	
35	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	
36	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	1	1	
37	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	
38	Red Lory - <i>Eos bornea</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
39	Western Crowned pegeons - <i>Goura cristata</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
40	Black Kite - <i>Milvus migrans</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
41	Lesser whistling teal - <i>Dendrocygna javanica</i>	1	2	2	5	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	4	
42	Brahminy Kite - <i>Haliastur indus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
43	Common Quil - <i>Coturnix coturnix indus</i>	0	0	10	10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	9	9	
44	Zebra finch - <i>Taeniopygia guttata</i>	0	0	0	0	0	0	0	0	0	25	0	0	0	0	1	0	0	0	25	25	
	Total	160	162	65	387	0	0	9	2	1	28	0	0	0	19	12	1	144	152	99	395	

Mammals Lion and Tiger Safari

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Royal Bengal Tiger- <i>Panthera tigris tigris</i>	12	10	4	26	0	0	0	0	0	0	0	0	0	1	6	0	13	6	0	19
1a	White Royal Bengal Tiger - <i>Panthera tigris tigris</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
2	Asiatic Lion - <i>Panthera leo</i>	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2
	Total	14	12	4	30	0	0	0	1	1	0	0	0	0	3	6	0	14	9	0	23
Other Schedule Exotic species																					
1	Lion (Hybrid) - <i>Panthera leo</i>	13	10	0	23	2	0	0	0	0	0	2	2	0	0	0	0	13	8	0	21
	Total	13	10	0	23	2	0	0	0	0	0	2	2	0	0	0	0	13	8	0	21

Elephant Care Center

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Elephant Indian - <i>Elephas maximus indicus</i>	10	12	0	22	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	10	14	0	24
	Total	10	12	0	22	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	10	14	0	24

Herbivore Safari
Mammals

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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			
Schedule I and II																								
1	Black Buck - <i>Antelope cervicapra</i>	5	2	0	7																5	2	0	7
2	Gaur or Indian Bison - <i>Bos gaurus</i>	5	1	0	6	0	1	0	0	3	0	0	0	0	1	0	0	0	0	0	5	1	0	6
3	Indian Pangolin - <i>Manis crassicaudata</i>	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4	Gray Slender Loris - <i>Loris lydekkerianus</i>	1	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
	Total	11	3	0	15	0	1	0	0	3	1	1	0	2	1	0	0	0	0	0	9	7	0	16

Other Schedule
Exotic species

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Chital or Spotted Deer - <i>Axis axis</i>	103	115	431	649	0	0	0	0	0	0	0	0	0	1	0	0	295	353	0	648
2	Barking Deer - <i>Muntiacus muntjak</i>	2	3	0	5													2	3	0	5
3	Sambar - <i>Rusa unicolor</i>	84	89	128	301													141	160	0	301
4	Nilgai or Blue Bull - <i>Boselaphus tragocamelus</i>	5	4	1	10	0	0	0	0	0	0	0	0	0	1	0	0	4	4	1	9
5	Hog Deer - <i>Axis porcinus</i>	3	13	0	16													3	13	0	16
	Total	197	224	560	981	0	0	0	0	0	0	0	0	0	2	0	0	445	534	0	979

Mammals
Bear Safari

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Sloth Bear - <i>Melursus ursinus</i>	31	46	0	77	0	0	0	1	2	0	0	0	0	3	1	0	29	47	0	76
	Total	31	46	0	77	0	0	0	1	2	0	0	0	0	3	1	0	29	47	0	76

BFF Tiger

Sl. No	Name of the animal & Scientific name	Stock as on 01/04/2019				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	Sumatran Tiger - <i>Panthera tigris sumatrae</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Total	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

24 Mortality report

Mortality report of animals at Bannerghatta Biological Park for the the year 2019-20

	Species of animal	Nos	Sex	Date	Reason for death
1	Star tortoise	1	U	03.04.2019	Enteritis
2	Star tortoise	1	F	03.04.2019	Pneumonia
3	Star tortoise	1	M	06.04.2019	Pneumonia
4	Caiman crocodile	1	M	07.04.2019	Ascites
5	Leopard Saraswathi	1	F	07.04.2019	Hepatic cyst
6	Tri carinate hill turtle	1	F	10.04.2019	Enteritis
7	Sloth bear	1	M	10.04.2019	Acute renal failure
8	Star tortoise	1	F	25.04.2019	Necrotic enteritis
9	Star tortoise	1	M	30.04.2019	Pneumonia
10	Tri carinate hill turtle	1	M	04.05.2019	Pneumonia
11	Star tortoise	1	F	08.05.2019	Enteritis
12	Barking deer	1	F	13.05.2019	Haemorrhagic shock
13	Zebra	1	M	16.05.2019	Colic
14	Star tortoise	1	F	16.05.2019	Pneumonia
15	Pig-tailed macaque	1	F	17.05.2019	Senility
16	Hog deer	1	M	21.05.2019	Infighting injury
17	Barking deer	1	M	24.05.2019	Infighting injury/ shock
18	Nilgai	1	F	25.05.2019	Cervical injury
19	Lady Amherst's pheasant	1	M	29.05.2019	Senility
20	Lion Vishal	1	M	29.05.2019	Senility
21	Star tortoise	1	F	31.05.2019	Pneumonia
22	Star tortoise	1	F	31.05.2019	Enteritis
23	Lady Amherst's pheasant	1	M	02.06.2019	Senility
24	Star tortoise	1	F	05.06.2019	Pneumonia
25	Lion Rambo	1	M	07.06.2019	Senility
26	Star tortoise	1	F	10.06.2019	Enteritis
27	Porcupine	1	F	12.06.2019	Maggot wound & Septicemia
28	Star tortoise	1	M	17.06.2019	Pneumonia
29	Star tortoise	1	U	24.06.2019	Pneumonia
30	Star tortoise	1	M	30.06.2019	Enteritis
31	Star tortoise	1	M	01.07.2019	Pneumonia
32	Star tortoise	1	F	06.07.2019	Enteritis

33	Lion Rama	1	M	07.07.2019	Senility
34	Star tortoise	1	M	14.07.2019	Pneumonia
35	Star tortoise	1	F	14.07.2019	Senility
36	Red Jungle fowl	1	M	17.07.2019	Infighting injury/ Senility
37	Tigress Manasa	1	F	20.07.2019	Senility/ Recumbence & decubital ulcers
38	Star tortoise	1	U	24.07.2019	Pneumonia
39	Tri carinate hill turtle	1	M	29.07.2019	Helminthic infestation/off feed
40	Hog deer	1	F	30.07.2019	Infighting injury
41	Star tortoise	1	F	07.08.2019	Cold shock
42	Star tortoise	1	M	10.08.2019	Pneumonia
43	Red-eared slider	1	F	12.08.2019	Anorexia/ Enteritis
44	Spotted deer (Herbivore Safari)	1	M	16.08.2019	Infighting injury
45	Star tortoise	1	F	17.08.2019	Pneumonia
46	Thamin deer	1	M	20.08.2019	Senility/ Neoplasia
47	Goral	1	F	21.08.2019	Metastatic neoplasia
48	Tricarinate hill turtle	1	M	21.08.2019	Pneumonia
49	Tricarinate hill turtle	1	F	23.08.2019	Abscess/ Septicemia
50	Indian Bison	1	M	27.08.2019	Per-acute Haemorrhagic septicemia
51	Star tortoise	1	M	29.08.2019	Cold shock
52	Lion Ajay	1	M	05.09.2019	Senility
53	Porcupine	1	F	06.09.2019	Deep wounds and septicemia
54	Sloth bear	1	M	10.09.2019	Tuberculosis/ Vital organs Failure
55	Tigress Samyuktha	1	F	14.09.2019	Cytauzoon infection and Multi organ Failure
56	Eclectus parrot	1	F	19.09.2019	Autolysis
57	Lion Pataudi	1	M	22.09.2019	Senility
58	Red sand boa	1	F	23.09.2019	Prolonged anorexia and weakness
59	Toddy cat	1	M	27.09.2019	Chronic hepatitis and arthritis
60	King cobra	1	F	28.09.2019	Anorexia and Septicemia
61	Red Jungle fowl	1	F	30.09.2019	Infighting injury
62	Tiger Amar	1	M	06.10.2019	Chronic Arthritis/ Septicemia
63	Tigress Subhadra	1	F	08.10.2019	Renal failure/ Septicemia
64	Hog deer	1	F	09.10.2019	Cold shock
65	Four horned antelope	1	M	10.10.2019	Hit / Haemorrhagic shock
66	Tiger Surya	1	M	15.10.2019	Renal failure/ Anorexia

	Species of animal	Nos	Sex	Date	Reason for death
67	Star tortoise	1	M	22.10.2019	Pneumonia
68	Star tortoise	1	M	23.10.2019	Cold shock
69	Baya weaver	1	U	26.10.2019	Senility
70	Circus Lion Lakshmi	1	F	26.10.2019	Senility/ Hepatic cyst
71	Barn owl	1	M	03.11.2019	Pneumonia
72	Monitor lizard	1	F	04.11.2019	Shifting trauma
73	Tri carinate hill turtle	1	M	06.11.2019	Cold shock
74	Black-headed Munia	2	M	10.11.2019	Infighting
75	Green Iguana	1	M	12.11.2019	Anorexia
76	Red Sand boa	1	F	14.11.2019	Septicemia/ Anorexia
77	Barking deer	1	F	15.11.2019	Handling shock/ Septicemia
78	Budgerigar	1	F	20.11.2019	Wound/ Septicemia
79	Black spotted terrapin	1	M	21.11.2019	Pneumonia
80	Budgerigar	1	F	22.11.2019	Predator attack
81	Black spotted terrapin	1	M	22.11.2019	Enteritis
82	Tri carinate hill turtle	1	F	24.11.2019	Cold shock
83	Hanuman langur	1	F	26.11.2019	Renal tumour/ Enteritis
84	Alexandrine parakeet	1	M	26.11.2019	Infighting injury
85	Tri carinate hill turtle	1	M	27.11.2019	Enteritis
86	Tiger cub Anitha	1	F	28.11.2019	Infighting trauma
87	Nilgai (Herbivore safari)	1	M	29.11.2019	Infighting injury
88	Circus Lion Akbar	1	M	02.12.2019	Senility
89	Leopard Ajay	1	M	02.12.2019	Hepatic cyst
90	Monitor lizard	1	M	04.12.2019	Anorexia
91	White tiger Vinay	1	M	05.12.2019	Osteo arthritis/ Senility
92	Hog deer	1	M	05.12.2019	Infighting injury
93	Budgerigar	1	M	06.12.2019	Septicemia
94	Thamin deer	1	M	09.12.2019	Hepatic tumour
95	Star tortoise	1	F	16.12.2019	Cold shock
96	Red crowned roof turtle	1	U	16.12.2019	Pneumonia
97	Sloth bear	1	M	17.12.2019	Bacterial septicemia/ Liver & Kidney dysfunction
98	Monitor lizard	1	F	17.12.2019	Enteritis
99	Sloth bear	1	F	22.12.2019	Traumatic shock
100	Black headed munia	1	F	25.12.2019	Septicemia
101	Blackbuck	1	M	26.12.2019	Renal failure
102	Budgerigar	1	M	03.01.2020	Predator attack
103	Star tortoise	1	F	11.01.2020	Pneumonia

	Species of animal	Nos	Sex	Date	Reason for death
104	Thamin deer	1	M	05.01.2020	Hemorrhagic shock/ Infighting injury
105	Hog deer	1	F	12.01.2020	Septicemia/ Wounds
106	Star tortoise	1	M	17.01.2020	Pneumonia
107	Tri carinate hill turtle	1	M	19.01.2020	Pneumonia
108	Rose-ring parakeet	1	M	20.01.2020	Pneumonia
109	Black-spotted terrapin	1	F	20.01.2020	Enteritis/ Anorexia
110	Ring-neck Pheasant	1	M	22.01.2020	Infighting trauma
111	Budgerigar	2	M+F	24.01.2020	Predator attack
112	Alexandrine parakeet	1	F	28.01.2020	Infighting trauma
113	Rose-ring parakeet	1	M	31.01.2020	Enteritis
114	Budgerigar	2	2F	02.02.2020	Coccidiosis
115	Nilgai	1	M	02.03.2020	Infighting injury
116	Star tortoise	1	M	02.05.2020	Pneumonia
117	Star tortoise	1	M	02.06.2020	Enteritis
118	Star tortoise	1	F	02.07.2020	Senility
119	Budgerigar	1	M	02.07.2020	Coccidiosis
120	Red Jungle fowl	1	M	02.12.2020	Senility
121	Budgerigar	1	M	02.12.2020	Coccidiosis
122	Star tortoise	1	F	13.02.2020	Pneumonia
123	Black headed munia	1	M	18.02.2020	Infighting injury
124	Lesser whistling duck	1	F	22.02.2020	Anorexia/Septicemia
125	Cockatiel	1	M	28.02.2020	Predator attack
126	Tigress Bhargavi	1	F	28.02.2020	Gastro-enteritis & acute Pneumonia
127	Cockatiel	1	F	29.02.2020	Predator attack
128	Star tortoise	1	F	29.02.2020	Enteritis
129	Tri carinate hill turtle	1	M	03.07.2020	Enteritis
130	Common Quail	1	M	03.10.2020	Egg peritonitis
131	Four Horned antelope	1	M	03.11.2020	Anorexia
132	Spectacled Langur	1	M	03.11.2020	Intussusception/Orchitis
133	Budgerigar	1	F	03.12.2020	Coccidiosis
134	Lioness Razia(RC)	1	M	16.03.2020	Senility/Tumour
135	Lioness Trushala (RC)	1	M	20.03.2020	Senility/Septicemia
136	Tigress Menaka	1	M	21.03.2020	Senility/Anorexia
137	Peacock	1	F	30.03.2020	Senility/Infighting trauma
138	Star tortoise	3	1F+2M	31.03.2020	Pneumonia
	Total	143			

Nativity report for the year 2019-20

Infant Mortality report of animals at Bannerghatta Biological Park
from the month of April -2019 to March -2020

Species of animal	Nos	Sex	Date	Reason for death
1 Pig tailed macaque infant	1	M	14.04.2019	Electrocution
2 Peafowl chick	1	M	15.04.2019	Verminous enteritis
3 Hippopotamus calf	1	M	09.08.2019	Stampede by mother
4 River Terrapin	1	U	20.10.2019	Cold shock
Total	4			

	Species	Sex			Total	Date
		M	F	U		
1	Blakbuck fawn	0	0	1	1	13.04.2019
2	Barking deer fawn	0	0	1	1	22.04.2019
3	Blackbuck fawn	0	0	1	1	27.04.2019
4	Rhesus macaque infant	0	0	1	1	07.05.2019
5	Blackbuck fawn	0	0	2	2	18.05.2019
6	Rhesus macaque infant	0	0	1	1	06.06.2019
7	Zebra foal	1	0	0	1	15.06.2019
8	Jungle cat	0	0	1	1	21.06.2019
9	River terrapin	0	0	2	2	02.07.2019
10	Hippopotamus Calf	1	0	0	1	09.08.2019
11	Gaur calf	0	1	0	1	06.10.2019
12	Hog deer fawn	0	0	1	1	13.10.2019
13	Spotted deer fawn	0	0	1	1	13.10.2019
14	Blue-gold macaw	0	0	2	2	11.09.2019
15	Rose-ring parakeet	0	0	1	1	03.11.2019
16	Rose-ring parakeet	0	0	1	1	05.11.2019
17	Cockatiel	0	0	2	2	07.11.2019
18	Cockatiel	0	0	1	1	09.11.2019
19	Cockatiel	0	0	2	2	15.11.2019
20	Thamin fawn	0	0	1	1	17.11.2019
21	Lioness Sana cubs	2	0	0	2	09.01.2020
22	Thamin deer fawn	0	0	1	1	16.01.2020
23	Elephant calf	0	0	0	1	30.01.2020
24	Hanuman langur	0	0	1	1	22.02.2020
25	Blackbuck fawn	0	0	1	1	27.02.2020
26	Indian Grey Wolf Pups	3	0	0	4	03.02.2020
27	Nilgai calf	0	1	2	2	13.03.2020
28	Spectacled langur	0	0	1	1	16.03.2020
	Total	7	3	28	38	



25 Animal exchange program

Acquisition for the month of April - 2019 to March - 2020

Sl.No	Species	Sex			Total	Date
		M	F	U		
1	Hanuman langur (Bhatkal)	1	0	0	1	17.04.2019
2	Rock Python	0	0	1	1	21.05.2019
3	Black crowned crane	1	1	0	2	09.06.2019
4	Asiatic Lion	1	1	0	2	26.06.2019
5	Leopard (Huliyurdurga)	1	0	0	1	28.05.2019
6	King Cobra (Ujire)	1	0	0	1	09.06.2019
7	Red Sand boa (Bannerghatta)	0	0	1	1	08.07.2019
8	Red Sand boa (Virajpete)	0	0	1	1	10.07.2019
9	Indian Rock Python (Butterfly park)	1	0	0	1	13.07.2019
10	Grey slender loris (Attibele)	0	0	1	1	05.08.2019
11	Flap-shell turtle (Bannerghatta)	0	0	1	1	19.08.2019
12	Flap-shell turtle (Bannerghatta)	0	0	1	1	27.08.2019
13	Indian Rock Python (Rescue centre)	0	0	1	1	30.08.2019
14	Common sand boa (Bannerghatta)	0	0	1	1	30.08.2019
15	Leopard cubs (Hassan forest range)	1	1	0	2	05.09.2019
16	Sloth bear (Bellary)	1	0	0	1	07.09.2019
17	Flap-shell turtle	0	0	1	1	13.09.2019
18	Sloth bear cub (Ramanagara)	1	0	0	1	21.09.2019
19	Indian Gaur (Mysore zoo)	0	2	0	2	30.09.2019
20	Striped Hyena (Mysore zoo)	1	1	0	2	30.09.2019
21	Leopard (Kunigal)	0	1	0	1	01.10.2019
22	Jandaya conure (Vinayakanagar)	0	0	1	1	09.10.2019
23	Rose ring parakeet (Vinayakanagar)	1	0	0	1	09.10.2019
24	Rock python	0	0	1	1	12.10.2019
25	Common Wolf snake (Junglepalya)	0	0	1	1	13.10.2019
26	Monitor lizards (Jigani)	0	0	4	4	16.10.2019
27	Leopard cub (Nanjangud)	1	0	0	1	16.10.2019
28	Red sand boa (Chandapura)	0	0	1	1	24.10.2019
29	Blue-gold Macaw (Malleshwaram)	0	0	1	1	01.11.2019
30	African Grey parrot (HCL Jigani)	0	0	1	1	02.11.2019
31	Sloth bear (Harohalli,Ramanagar)	0	1	0	1	02.11.2019
32	Indian gaur (Chandapura)	0	1	0	1	30.11.2019
33	Sloth Bear (BRT)	0	1	0	1	22.12.2019
34	Leopard (Kunigal range)	0	1	0	1	25.12.2019
35	Blackbuck (Kagglipura range)	0	1	0	1	07.01.2020
36	Zebra finch (J.P Nagar)	0	0	25	25	22.01.2020
37	Sloth bear (Chitradurga)	0	1	0	1	28.01.2020
38	Sloth Bear (Pavagada)	0	1	0	1	02.12.2020
39	Leopard (Thavarekere, Tumkur Division)	1	0	0	1	03.01.2020
40	Elephant calf (Ragihalli Range)	0	1	0	1	03.03.2020
Total		13	15	44	72	

Disposal for the month of April - 2019 to March - 2020

Sl.No	Species	Sex			Total	Date
		M	F	U		
1	Lion Kesari	1	0	0	1	30.04.2019
2	Lioness Prema	0	1	0	1	30.04.2019
3	Lion Dhananjay	1	0	0	1	15.06.2019
4	Lioness Radha	0	1	0	1	15.06.2019
5	Indian Pangolin	0	0	1	1	29.02.2020
6	Gray Slender Loris	1	0	1	2	29.02.2020
	Total	3	2	2	7	

*Lions disposed to Atal Bihari Vajaypee Zoological Park, Kamalapur

* Indian Pangolin and Grey Slender Loris were released in herbivore safari during the month of Nov-2018. Animals might have crossed the boundary and reached National Park. As these animals are not found any more, it's been deleted from the inventory.



26 Rescue & Rehabilitation of the wild animals carried out by the zoo

Team of Veterinarians , headed by Assistant Director (Veterinary Services) Dr. Umashankar K S led these Rescue operations and the animals were shifted to BBBP for life time care.

Sl.No	Species Rescued	Place of Rescue	Date of Rescue
1	Sloth bear	Ramanagar	21.09.2019
2	Sloth bear	Harohalli	02.11.2019
3	Indian Gaur	Chandapura	30.11.2019
4	Sloth bear	Chitradurga	29.01.2020

Along with the rescue operations carried out by Zoo veterinarians, following animals rescued from forest department due to accident, abandoned cubs, snare traps were shifted to BBBP for veterinary care and life time care

Sl.No	Species Rescued	Place of Rescue	Date of Rescue
1	Hanuman langur	Bhatkala	17.04.2019
2	Leopard	Huliyurdurga	28.05.2019
3	Leopard	Hassan	05.09.2019
4	Sloth bear	Ballary	07.09.2019
5	Leopard	Kunigal	01.10.2019
6	Monitor lizard	Jigani	16.10.2019
7	Leopard	Nanjungud	16.10.2019
8	Leopard	Kunigal	25.12.2019
9	Blackbuck	Kaggalipura	07.01.2020
10	Leopard	Tavarekere, Tumkur	01.03.2020



27 Compliance with conditions stipulated by the Central Zoo Authority

			Remarks
Sr. No	Norm No. under RZR, 2019	Conditions stipulated	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo
General requirements			
1.	2(6i)	The residential colony including quarter of the Range Officer has entry from the zoo. The entry to the residential colony through the zoo premises may be stopped immediately.	All the Residential quarters including the officer's quarters is being shifted outside the zoo. Tender process is initiated for construction of the quarters outside the zoo premises.
2.	2 (6ii)	The animal attendants and the other personnel working in the Bear Rescue Center are staying in the same building at the upper storey of the building in which the Veterinary Hospital and the Animal Houses are at the ground level. The building and the campus of the Rescue center may not be used for any type of residential purpose.	Only night duty staffs including veterinarians are staying during the night hours on Bear Rescue Center premises for ensuring the security and medical care of the rescued bears.
3.	1(7)	The drainage system of the zoo is in very bad shape and has not been properly planned. It should be addressed in a proper manner with a proper drainage plan.	<ul style="list-style-type: none"> • Storm water drain has been constructed to drain out storm water. • The discharge from the holding room is connected to individual soak pits • Detailed survey has been done to construct UGD & STP in the zoo.
4.	Development and Planning		
5.	3(1)	The enclosure as proposed for modification in the Master Plan should be taken up on priority.	The enclosures proposed for modifications being taken up for implementation on priority.
6.	Animal housing, display of animals and animal enclosure		
7.	4(2&3)	The moat in safari needs modification to reduce wild elephant damages.	Wherever the moat is vulnerable to prevent elephants, retaining wall is being constructed based on the availability of funds and also tender has been called for providing railway barricade wherever essential.
8.	Upkeep and healthcare of animals		
9.	5(4)	A street dog was seen in the zoo premises. The entry points of the dogs in the zoo premises should be identified and plugged effectively. It should be ensured that the dogs and other feral animals do not enter the zoo premises.	All the access point of street dogs has been closed and the dogs have been caught and rehabilitated.
10.	Acquisition and breeding of animals		
11.	9(1 2 & 9)	The breeding of lion, tigers housed in safari needs progeny profile. There are excess tigers and lions in the Safari/Zoo, which should be reduced or exchanged and further breeding should be stopped.	Action has been initiated

Safari unit is an expedition to observe the free range 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 the 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 and Elephant proof trench (EPT). 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 serving as the standing shade for the animals. There are 5 water bodies found in the safari area namely, Deepankere, Chennamanakere, Gowdankunte and Seegadikunte, Gowdanakere. These water bodies are perennial and serve as the source of water for the inmate 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 escape or to avoid trespass 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 was left to the management of Wildlife SOS to house and maintain additional number of bears rescued from Kalandars from all over India in the year 2005.





Lion Safari:

All around the 5.00 Ha of forest area, a tall chain link mesh with the height of around 15 feet has been erected. Further a big moat all round 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

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. Elephant Care Centre	49.50		
3. Bear Safari	20.00		2002
4. Lion Safari	6.00		1979
5. Tiger Safari	15.00		1987
Total	158.5 Hectares		



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 groups of animals are only allowed into safari on a rotational basis regularly for the benefit of visiting tourists.

29 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. Out of the 60.00 ha area 49.50 ha area is enclosed with a secured solar power fencing with gates wherever necessary and this will be serve as a habitat for the captive elephants in “Elephant Care Centre”. This is in adherence to the recommendation made by the CZA. A 0.65 Ha of land for emergency Coral is constructed within the enclosure to contain and separating the elephants for medical and bouts of un-controllable aggression. There are 24 (10M+14F) elephants which are housed here in the Elephant Care Center within the area of herbivore safari, an elephant weaning care center has been established.

The elephants housed in this centre 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 roaming in the National Park area in the evening, where they can feed on natural fodder and socialize, mate with wild elephants which are free roaming in the national park.



30 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 is 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 such established started functioning from December 2000 as an off-display area. The annual expenditure for the year 2019-20 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 Lion and Tiger. The lion block is called as L- block having 12 houses, each house consisting of 6 cages connected to kraal of 1500 Sq m., totally it can house 72 lions. Right opposite to the lion block another semicircular housing complex namely T - block of half of the size of L- block has been constructed for tiger. 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, totally it can houses 30 tigers. Presently, 1 female lion rescued from circus is housed in this unit. Apart from these aged animals from zoo and safari is also housed in this unit

Rest of the centers is planned to harbor different varieties of trees and plants to create natural surrounding like forest inside the center. The rescue center is further protected by moat as a second line of defence and solar fencing as first line of defense (all round) against elephant since, it is an elephant corridor.

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 rescued bears from Khalandars, found stray, injured, orphaned, trapped & sick etc., and enables to rescue and rehabilitate more such bears. As on 31-3-2020, 76 (29 male & 47 female) rescued bears, are being accommodated in this rescue centre. The maintenance costs of all these Bears are being directly met by an NGO Wildlife SoS. Tigers rescued from various circuses in Europe was accommodated at Born Free Foundation (BFF), Bannerghatta Biological Park, Bengaluru. As on 31-3-2019, two wild male rescued tigers are accommodated in this unit. The maintenance cost of these animals for 2019-20, are met by an NGO, BFF.

Details of Rescued animals received and lodged in Rescue Center of Bannerghatta Biological Park during the month of April 2019 to March-2020

	Name of the animal	Name of the circus	Date of arrival	Animals at the start of the year			Animals born during the month			Animals received during the month			Animals died during the month			Balance of animals at the end of the month March-20		
				M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	Lion	Komal Circus, Faridabad, Haryana	7 th Jul, 2001	4	0	4	0	0	0	0	0	0	4	0	4	0	0	0
2	Lion	Rajakamal Circus, Chikkamagalur	5 th Feb, 2002	1	1	2	0	0	0	0	0	0	1	0	1	0	1	1
3	Lion	Born at Rescue Center	23 rd Jun, 2002	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0
4	Lion	New Grand Circus, Pandharpur District, Solapur, Maharashtra	30 th Jul, 2003	1	1	2	0	0	0	0	0	0	1	1	2	0	0	0
5	Lion	Prabath Circus, Ranchi, Jarkand	9 th Sep, 2007	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0
			Total	6	4	10	0	0	0	0	0	0	6	3	9	0	1	1

	Name of the animal & Scientific name	Stock as on 01/04/2019				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>	6	4	0	10	0	0	0	0	0	0	0	0	0	6	3	0	0	1	0	1
	Total	6	4	0	10	0	0	0	0	0	0	0	0	0	6	3	0	0	1	0	1

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



For the first time Southern Birdwing or Sahyadri Birdwing have been successfully bred in the Butterfly Park in September 2019 with the intervention and complete effort from our Entomologist Loknath and his supportive staff at the butterfly park.

The butterfly has red and yellow on its wings, resembling the colours of the Karnataka flag, hence it was declared the state butterfly in 2017. The butterflies were released by children visiting the park along with Sri. B P Ravi IFS, APCCF & Member Secretary (Zoo Authority of Karnataka),



Sri. Ajith Kulkarni IFS, Executive Director of Mysore Zoo and Smt. Vanashree Vipin Singh IFS, Executive Director of BBBP and other staff. To create awareness about Karnataka's State Butterfly a guided tour was provided for school children followed by a drawing competition. The winners had a chance to release the butterflies in the dome area. Visitors also had a chance to view the largest species of butterfly in India, the Southern Birdwing in the dome area of the Butterfly Park.



WILD ANIMAL DISEASE DIAGNOSTIC LAB, BANNERGHATTA - WADD

Activities in the WADD Lab

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

Aims & Objectives

- Large scale production of various biologicals for prophylaxis and diagnostic agents for speedy and prompt diagnosis of various livestock and poultry diseases. Produces 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 in 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.

Microscope Unit



Serology Unit



Hematology Unit



- Liver function tests: Total Protein, Albumin, Globulin, SGOT, SGPT and Alkaline Phosphate
- Kidney function tests: Creatinine and BUN
- Lipid Profile: Total Cholesterol and Triglycerides
- General : Glucose and LDH
- Serum Electrolytes: Ca, P, Na, K

Urine analysis



- Post mortem Examination of Wild Animals, Wild Birds and Reptiles and diagnosis of disease
- Wild Animal Disease investigation & advices to take control measures to control the diseases in the BBP, BRC and WRRC
- Bacterial Isolation & identification by cultural, staining and biochemical methods in Wild animal and Birds
- Fungal Isolation and identification by cultural, staining methods in Wild animal and Birds
- Acid Fast staining / Ziehl Neelsen staining for the Acid fast bacteria such as mycobacteria spp & other protozoa

PCR Unit



- ABST (Antibiotic sensitivity assay Test) to know the choice of antibiotic to treat the diseases effectively and same time to avoid the wrong antibiotic usage and to avoid Anti biotic resistance
- Identification of sex of the birds : where the male and female birds looks same, / monomorphic birds by Feather DNA sexing using PCR technique

PROGRESS REPORT OF WADDL FROM APRIL 2019 TO March 2020

	Type of Specimen	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Hematology	22	5	5	7	6	20	14	7	3	0	5	4	98
2	Blood smears	18	1	5	7	6	20	14	13	15	23	5	4	131
3	Fecal samples	106	37	15	54	42	25		7	43	116	32	29	506
4	Impression Smears	27	19	24	30	40	21		22	37	199	51	36	506
5	Immunoserology												1	1
6	Histopathology	9	17	8	8	7	8		4	9	13	3	6	92
7	Serum chemistry	286	72	51	98	82	264	182	291	39		68	56	1489
8	Skin scrapings			2	7			1						10
9	Urine analysis	3		2	4	2	6	5	1	2	2		2	29
10	TB & JD testing	7	6											13
11	Fecal sample-AFB	4		11	13	14	18	7	2	19	40	7	28	163
12	Anti bioassay		1			2	4	3	1	1	3			15
13	Autopsies	9	7	11	9	14	8	7	6	15	103	26	20	235
14	Brain for Rabies													
15	FMD-Tong. Epith.													
16	Brain for BSE													
17	AI – tracheal / cloacal/Envr swabs													
18	Poisoning/ Toxicity							1	1					
19	Milk sample													2
20	Nasal discharge							1						
21	Miscellaneous/DNA /PCR/Veterolegal	14	7	24	10	6	22	22	9	14	19	6	11	1
	Total	491	173	158	247	221	416	257	355	201	518	203	196	3416



33 List of free living wild animals within the park premises

a. Mammals:

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

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, 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 bush chat, Paradise Fly Catcher, Darter (Snake bird), White breasted kingfisher, Plum headed parakeet, Jungle Myna, Open billed stork

c. Reptiles:

Spectacled cobra, Rat snake, Red sand Boa, Marsh Crocodile, Star Tortoise, Flapshell turtle, Russel's viper, Common Krait, Common Sand Boa, Pond Terrapin.



34 Adopters

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
1	Renu. K.G, #4144/75, Lakshmidevi, 3rd Main, 'B' Block, Subramanyanagara, Bangalore - 560 021	Indian Cobra	2000.00	04.01.2019 to 31.3.2020	1 year
2	Shamanthamma D Venkataramanaiah Kallur, #30, 5th Cross Maruthinagar, Kamakshi Palya, Bangalore - 560 079	Lion Tailed Macaque	1000.00	04.03.2019 to 04.02.2020	1 year
3	Shivakumar. R #45, Shree Lakshmi Opp. to Omsri School, Hoskote - 562 114	Indian Cobra - 5 Nos	10000.00	16.04.2019 to 15.04.2020	1 year
4	Anuradha. E.S, #74A, 2nd Main, CIL Colony, Sanjaynagar, Bangalore - 560094	Common Langur-1 No Four Horned Antelope - 1 No	15000.00	20.4.2019 to 19.04.2020	1 year
5	Sri Lakshmi Pathi T Lankesh, #3358/B, 13 th Main, HAL 2 nd Stage, Indiranagara, Bangalore - 560 038	Indian Cobra - 1 No	2000.00	05.01.2019 to 30.04.2020	1 year
6	Smt. Sapna Shekar, E1-402, SNN RAJ SERENITY Begur-Koppa Main Road, Yellanaahalli, Bangalore - 560068	Indian Grey Wolf - 1 No	20000.00	17.05.2019 to 16.05.2020	1 year
7	RNS Institute of Technology, Channasandra, Uttarahalli-Kengeri Main Road, Rajarajeshwari Nagar Post, Bengaluru - 98	Indian Leopard - 1 No	35000.00	24.05.2019 to 23.05.2020	1 year
8	Smt. Rekha. N.S, #278, 26th Cross, 9th Main, Banashankari 2nd Stage, Bangalore - 560 070	Owl - 1 Nos	3500.00	29.05.2019 to 28.05.2020	1 year
9	Deens Academy, ECC Road, Whitefield Bangalore - 560 066	Common Ostrich	10000.00	15.06.2019 to 14.06.2020	1 year
10	Toyota Kirloskar Pvt Ltd., Plot No.1, Bidadi Industrial Area, Ramanagara Dist.	Ostrich	10000.00	29.06.2019 to 28.06.2020	1 year
11	Veena Vijay, #509, 11th Cross, 2nd Stage, W.C.R, Mahalakshmpuram, Bangalore- 560 086	Nigiri Langur	10000.00	07.03.2019 to 07.02.2020	1 year
12	Lavanya. B, #337, D.S Max Sandalwood, Nagasandra, Bangalore - 56078	Peacock	3500.00	07.06.-2019 to 06.05.2020	1 year
13	Smt. Sunanda. P.S, #63, 2nd Main, 4th Cross, Gavipuram Extension, Bengaluru - 560 019	Great Indian Horne Bill	5000.00	14.07.2019 to 13.07.2020	1 year
14	Sri Raghavendra Bhat, Flat No. 202, Reliable Green Fields Apartments, Kudlu Village, Bangalore	Rainbow Lorikeet	2000.00	14.07.2019 to 13.07.2020	1 year
15	Hon'ble Sri Justice ABHAY SHREENIWAS Oak, Chief Justice, High Court of Karnataka, Bengaluru	Tigress - Anushka	10000.00	19.08.2019 to 24.09.2019	36 days

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
16	Sri Ramgad Srinivas, #52, Anushri Nivasa, 1st Ward, Skandapura Layout, Sandur - 583119, Ballari	Star Tortoise	2000.00	19.08.2019 to 18.08.202	1 year
17	Sri N Sheshadri, No. 1253, 11th Cross, 1st Phase, 1st Stage, Chandra layout, Bengaluru	Spotted deer, Peacock	11000.00	28.08.2019 to 27.08.2020	1 year
18	Smt Sharaddha Rajesh Mehta, #18 (Old No. 647), 46th A Cross, 3rd Block, Rajajinagar, Bangalore - 560 010	Spotted Deer, Hog Deer	1250.00	25.08.2019 to 24.09.2019	1 year
19	Sri MD Sarfaraz Ali, #11, 1st Cross, Tank Garden, Jayanagara 1st Block, Bangalore - 560 011	Nilgai	10000.00	09.04.2019 to 09.03.2020	1 year
20	Sandya Nair, #404, Muthulakshmi Residency, Kasturinagar, Bangalore	Porcupine	3500.00	09.02.2019 to 09.01.2020	1 year
21	Jyothi, Bangalore	Peacock	502.00	09.12.2019 to 10.10.2020	1 year
22	Sohan Singh, #938, 9th Main, 3rd Cross, 1st Block, HRBR Layout, Kalyan Nagar, Bangalore	King Cobra	3500.00	10.07.2019 to 10.06.2020	1 year
23	Shankar Kumar K, #22, 1st Floor, 1st Cross, V.V Pura, Bangalore	Love Birds	1000.00	16.10.2019 to 15.10.2020	1 year
24	Atharv. H.R, Uttarahalli Main Road, Chikkalasandra, Bangalore	Four Horned Antelope	5000.00	13.10.2019 to 10.12.2020	1 year
25	N Venkateshwara, 52/1, 4th Block, Ayappa Nagar, K.R. Puram, Bangalore	Dhole	20000.00	13.10.2019 to 10.12.2020	1 year
26	Sri Vinayak Pai, #87, 1st Main, 3rd Cross, Gottigere, Bangalore - 560 083	Sparrow - 1 No	1000.00	26.10.2019 to 31.10.2020	1 year
27	Rudresh Naik L, # F-1405, Survay No. 19, Mallasandra, Bangalore - 560 062	Indian Cobra - 2 Nos	4000.00	11.01.2019 to 31.10.2020	1 year
28	Sri Suchindra Dikshit, D-103, KSSIDC Rajajinagara, Bangalore-10	Blue Gold Macaws White Peacock	11002.00	11.06.2019 to 11.05.2020	1 year
29	Dr. Lakshmi Ananth, G-403, Vaishnavi Ratnam, S.M. Road, Jalahalli Cross, T-Dasarahalli, Bangalore - 560057	King Cobra-2 Nos, Peacock-2 Nos Rose Ringed Parakeet-2 Nos	18000.00	13.11.2019 to 11.12.2019	1 year
30	Sri K.B Guruprasad, #202, 2nd Floor, Sunil Residency, 6th Cross, Banashankari Main Road, G.M Garden, J.P Nagara, Bangalore - 78	Indian Cobra -2 Nos	4000.00	15.11.2019 to 14.11.2020	1 year
31	Sri Tejas G.B, #202, 2nd Floor, Sunil Residency, 6th Cross, Banashankari Main Road, G.M Garden, J.P Nagara, Bangalore - 78	Indian Cobra -1 No	2000.00	15.11.2019 to 14.11.2020	1 year
32	M/s Kumar Organic Products Ltd., #813/C, 13th Cross, JSS College Circle, 7th Block, Jayanagara, Bangalore - 560032	Tigress - Shambhavi	100000.00	12.11.2019 to 11.10.2020	1 year

Adopters

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
33	Forgepro India Private Limited, #2,3,4(Part), Harohalli Industrial Area, Kanakapura Talluk, Ramanagara Dist	Tiger - 1 No	100000.00	27.11.2019 to 26.11.2020	1 year
34	Sri Vishwanath D R, #503, 3rd Main Road, Bhavaninagar, Gavipura, Kempegowdanagara, BengaluruIndian	Cobra - 1 No	2000.00	23.11.2019 to 22.11.2020	1 year
35	Sudha B N, #31/6, 3rd Cross, Laljinagar, Lakkasandra, Bengaluru - 30	Sparrow & Rose Ringed Parakeet	3000.00	03.11.2019 to 22.11.2020	1 year
36	Sri Aravind Sundaram, #1367, 25th B Cross, HSR Layout, Bengaluru-102	Small Indian Civet	5000.00	23.11.2019 to 22.11.2020	1 year
37	Smt Rohan Male Patil, Daffodils Flat No.1, Omkar Park, Bangalore - 02	Russels Viper	2000.00	30.12.2019 to 29.12.2020	1 year
38	Sri Shankhadeep Ghosh, Flat No: DF-1, Oasis Breeze, 6th Main, AECS Lyout, Kundalahalli, Bangalore - 560037	Love Bird	2000.00	30.12.2019 to 29.12.2020	1 year
39	Sri Nagarjun. G.D #403/75, Gowri Nilaya, 7th Cross, 1st Block, Jayanagara, BangaloreRat	Snake	1000.00	22.12.2019 to 21.12.2020	1 year
40	Smt. Swarna Indu, #176/2, East Kadalia Lichu, Bagan P.O - New Barackpore, Kolkata - 700131	Star Tortoise	2000.00	30.12.2019 to 29.12.2020	1 year
41	Sri Niladri, Bangalore	RoseRinged Parakeet	2000.00	30.12.2019 to 29.12.2020	1 year
42	Mahantha Keshari. P, S/o Partha Sarathy, #291, 31st Main, H.S.R 1st Sector, Bangalore - 560 102	White Peacock	3500.00	01.01.2020 to 31.12.2020	1 year
43	Sai Hiranmayi P, D/o Partha Sarathy, #291, 31st Main, H.S.R 1st Sector, Bangalore - 560 102	Rose Rigned Parakeet	2000.00	01.01.2020 to 31.12.2020	1 year
44	Sri Santhosh H S, D2 - 1721, Vasant Kunj, New Delhi	Love Bird	1000.00	01.04.2020 to 01.03.2020	1 year
45	Sri Abhay Agnihotri, Brillio Technologies, #58, Mini Forest, J.P Nagar 3rd Phase, Bengaluru - 560078	Love Bird	1000.00	01.05.2019 to 01.04.2020	1 year
46	Sri P.R Shiva Kumar, PSI #143, 1st Cross, 1st Block, Krishna Temple Road, Doddabammasandra, Bangalore - 560 097	Love Bird	1000.00	01.05.2019 to 01-04-2020	1 year
47	Meghana Khare, #6306, Nandideepa Appartment, Doddakammanahalli, Main Road, Bannerghatta Road, Bangalore - 560 076	Rat Snake	1000.00	01.05.2019 to 01.04.2020	1 year
48	Sri Naveen Kumar N, #2470, 7th 'B' Main, 7th 'B' Cross, RPC Layout, Hampinagar, Vijayanagar, Bangalore - 104	Indian Black Turtle	2000.00	01.05.2019 to 01.04.2020	1 year
49	Sri Meenappa, Junior Asistant, 'C' Sector, Women & Child Development, M.S Building, Bangalore - 560 001	Cockatiel	1000.00	01.05.2019 to 01.04.-2020	1 year

	Name & address of the Person/Firm	Name of the animal adopted/Numbers	Amount Paid	Period	Remarks
50	Smt G.K Padmavathi, #48, Shankari, 1st Cross, Rajatadri Layout, Kotjanur Dinne Road, J.P Ngar 8th Phase, Bangalore - 76	Indian Cobra	3500.00	01.05.2019 to 01.04.2020	1 year
51	Gowrisha. T, #22, Ground Floor, 8th Cross, Garden Villas Layout, Nagarabhavi, Bangalore - 560 072	Love Bird	1000.00	01.05.2019 to 01.04.2020	1 year
52	Chetan B.V, SF-5, Sai Krishna Eleganie, 5th Main Road, Spoorthinagar, Arehalli, Bangalore - 560 061	Love Bird	1000.00	01.05.2019 to 01.04.2020	1 year
53	Prof. M.V Nagarathna, #1353, 'Surabhi', 10th Cross, 2nd Stage, Kengeri Satellite Town, Bangalore - 560060	Common Peacock	3500.00	01.05.2019 to 01.04.2020	1 year
54	Brahmakumaris, Gottigere, Bangalore	Jungle Cat	5000.00	01.12.2020 to 01.11.2021	1 year
55	Mohan S.A & Family, #18, 25th Main Road, 3rd B Cross, 2nd Stage, BTM Layout, Bangalore - 560 076	King Cobra	3500.00	01.12.2020 to 01.11.2021	1 year
56	Krishi Kaashvi Mohan, #18, 25th Main Road, 3rd B Cross, 2nd Stage, BTM Layout, Bangalore - 560 076	Indian Cobra	2000.00	01.12.2020 to 01.11.2021	1 year
57	Shalini S.R, #18, 25th Main Road, 3rd B Cross, 2nd Stage, BTM Layout, Bangalore - 560 076	Indian Cobra	2000.00	01.12.2020 to 01.11.2021	1 year
58	Pranav Jyothi, #113, 1st Floor, 1st Main, Flat No. 102, 8th Cross, Jagadeesh Nagar, Bangalore	Indian Cobra	2000.00	16.01.2020 to 15.01.2021	1 year
59	Sri Abhishek Anand Tiwari, D1-404, Alpine E co Apartments, Doddanakundi, Bangalore- 560037	Red Eared Slider Turtle	2000.00	02.09.2020 to 02.08.2021	1 year
60	Sri Sukesh Nagaraj, #6, 4th Main Road, Opposite Elephant Park, Jayamahar, Bangalore - 560047	Elephant feed	10000.00	02.12.2020 to 22.02.2020	2 months
61	Buvana P, #52, Kammanahalli Main Road, Bengaluru - 560 034	Indian Cobra	2000.00	8.02.2020 to 27.02.2021	1 year
62	Sri Prakash D S, #112, Navami Sree, NHCS Layout, 3rd Cross, 4th Stage, Basaveshwaranagara, Bengaluru - 560 079	Indian Cobra	2000.00	29.02.2020 to 28.02.2021	1 year
63	Sri K Jayapal, #302, Yamnotri Apartment, GM Palya, Bengaluru - 560 075	Indian Cobra	2000.00	28.02.2020 to 27.02.2021	1 year
64	Rotaract District 3190 (Team Panthera), #42/5, Rajashri Apartment, West Park Road, MalleswaramBangalore - 560 003	Leopard	8750.00	03.01.2020 to 31.05.2020	4 months
65	Smt Snehalatha Singhvi & Sri Dinesh Kumar Singhvi, #19, Norris Road, Richmond Road, Bangalore - 560025	Elephant Calf (Saraswati)	175000.00	03.07.2020 to 03.06.2021	1 year
66	Hemalatha M G, RH-58, Sobha Turquoise, Thandamur Main Road, Vedapatti, Coimbatore - 641007	Indian Cobra	2000.00	14.03.2020 to 13.03.2021	1 year

Facilities for Visitors



First Aid Kit



ATM



Drinking water



Baby care unit-1



Battery Operated vehicle



Wheel Chair



Library



Clock room facility



Baby care unit

Wildlife Pledge



Chinnara Mrugalaya Darshana



GMPS Kalkere (July 2019)



GHPS Dhoopanahalli (September 2019)



GHPS Vittalasandra (December 2019)



Government Ashram School, Bhootanahalli, August 2019



PVP Residential Girl's High School (Govt. Aided) (October, 2019)



GHPS Konsandra (January 2020)



Monthly Clean Up drive by Security team of BBBP.



Bottle Crushing Unit donated and inaugurated by Inner Wheel Lions Club.



Clean up drive and awareness creation by students and staff of St. Mira's High School.



Awareness creation and planting by students and staff of Christ Academy



Special Days

Photo Gallery



Yoga Day : Security team conducted free yoga classes for people residing around BBBP



World Elephant Day



World Snake Day: Awareness creation for zoo visitors



World Environment Day: Display of Pollution Model and Awareness by students



World Monkey Day: An awareness talk on importance of monkeys to the ecosystem was conducted by Zoo Club students for the public along with negative impacts of feeding monkeys and other wildlife in the zoo premises.



Photo Gallery

Butterfly theme competition for students and release of Southern Bird wing Butterfly, Karnataka State Butterfly. This was successfully bred for the first time at BBBP.



World Tiger Day



Photo Gallery

Wildlife Day :



International Women's Day



Photo Gallery

Wildlife Week :



64 species of birds were identified during the nature walk at BBBP

250 students took part in a wildlife rally from Bannerghatta Circle to BBBP



Zoo Keepers Day Celebration



Photo Gallery



Planting of local trees species



Awareness talk for zoo visitors on pug
ark and scat identification



Talk for zoo visitors on identification of
panthers and ways to reduce carbon foot print



Sri. Ramaswamy - Tiger Keeper



Sri. Basavashankar - Giraffe Keeper



Sri. Somashekar - Bear Keeper



Sri. Suresh - Elephant Supervisor



Sri. Ramaiah - Bird and Turtle Keeper



Sri. Venkatesh - Hippopotamus Keeper

Photo Gallery

Summer Camp



60 children participated in the day long Summer camp conducted on 24th April, 26th April and 2nd May 2019. Activities included insight into captive management, animal observations, introduction to animal groups, planting while visiting Zoo, Butterfly Park & Safari.

Naming Ceremony of Elephant calves and Tiger Cub:



Hima



Shruthi



Tulsi

Photo Gallery

Enrichment Activities





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