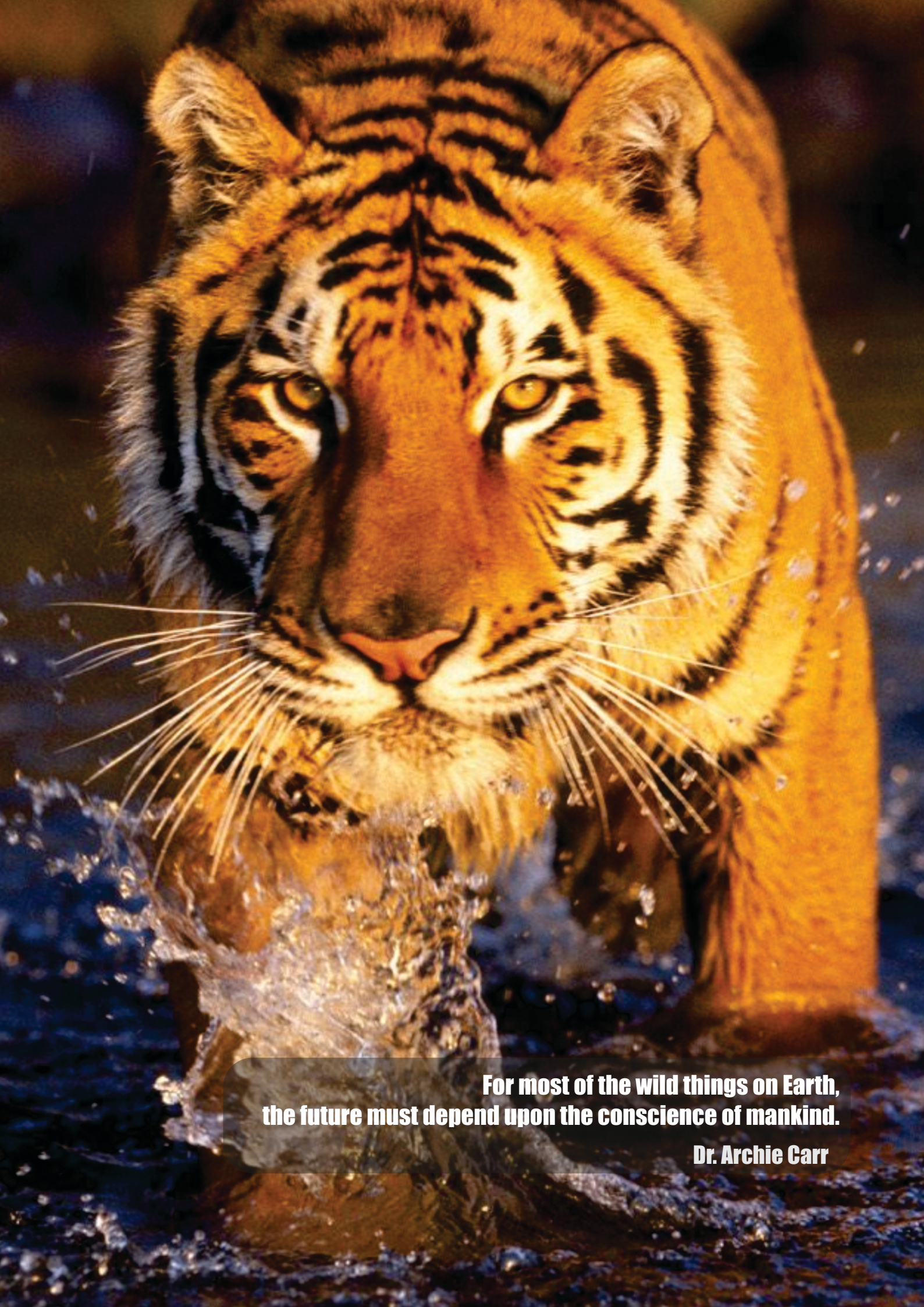




**ANNUAL
REPORT** 2019-20

**Zoological Garden
Thiruvananthapuram**



**For most of the wild things on Earth,
the future must depend upon the conscience of mankind.**

Dr. Archie Carr

Annual Report 2019

Zoological Garden
Thiruvananthapuram

Department of Museums & Zoo
Government of Kerala

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S. ABU
Director



The Zoological Garden, Thiruvananthapuram has been the centre of attraction for the animal lovers who visit the temple city of Kerala. Ever since its establishment in 1859 as the second Zoo in India, the Thiruvananthapuram Zoo has seen a steady progress in the number and variety of its animal collection.

Ever since the approval of the Master Plan, the institution has taken due care to stick on to the Master Plan in execution of the development activities. The institution could also raise to the expectations of the visitors coming from various parts of the Country and abroad. Apart from Zoo the visitors also cherish the Botanical Garden, Art Museum, Natural History Museum and Art Galleries present in the compound.

During the year 2019 - 20 many developmental activities like Butterfly Park, Renovation of Zoo Lake, Construction of Exotic Aviary, Construction of Resting Places for visitors, Maintenance of various animal houses and enclosures etc. were done in the Zoo. The help and co-operation received from the State Government and Central Zoo Authority played a vital role in the Development of the Zoo.

S. Abu





History of the Zoo

The Thiruvananthapuram Zoo is the oldest zoo in India continuing to exist in its original location in the heart of the temple city Thiruvananthapuram. Swathi Thirunal Maharaja (1816 – 1846), illustrious King and Music composer who had ruled Travancore during 1830 – 1846 is said to be the visionary behind the establishment of the Thiruvananthapuram Museum and Zoo. He had a good collection of animals including elephants in his horse breeding centre. To the Trivandrum stables he incorporated a menagerie and kept tigers, panthers, cheetahs, deer, bears and a lioness. It was however left to his brother Uthram Thirunal Marthanda Varma and the then British Resident General Cullen which consequenced the establishment of the Museum and Zoo in Thiruvananthapuram. A committee was formed in 1855 with the Maharaja of Travancore as patron, General Cullen as President. the Elaya

Raja as Vice President Mr. Allen Brown as Secretary of the Committee. The Museum was thrown open to the public in September 1857. But the Museum by itself could not attract the people much, and therefore a Zoo and a park were started in 1859.

This Zoological Garden is unique in India for its breathtaking landscapes and luxuriant growth of vegetation. Royal look of lofty trees, towering bamboos, lush green landscapes give it a rare distinction of being one of the most beautiful zoos in South East Asia. Spread over 36 acres of land and located in the heart of the city it provides a respite for the people of Thiruvananthapuram as much it offers tourism and recreation for visitors reaching from outside Kerala and overseas.

OUR MISSION

Conservation of biodiversity with special focus on the Endemic and Endangered Fauna of Western Ghats through Scientific Captive Breeding.

Fostering curiosity, empathy, and learning about animals in order to stimulate a sense of responsibility for the natural environment

Environmental education, Wildlife conservation and Research

OUR VISION

To make Zoological Garden Thiruvananthapuram as a leading academic organization in India on animal based research activities

To participate in local, regional, and international conservation plans, to contribute to them from our scientific knowledge, and to maintain breeding cores of endemic and endangered species.

To be a part of the nature conservation community and to function as a nucleus for various nature conservation activities

To become a central and leading body in nature conservation research.

OBJECTIVE

Provide ample opportunity for research in animal care, wildlife behavior, nutrition, reproduction etc.

Enhanced visitor experience thus inspiring them to contribute to the cause of wildlife conservation

ABOUT US

Name of the Zoo	Zoological Garden, Thiruvananthapuram
Year of Establishment	1859
Address of the Zoo	Museums and Zoo compound Vikas Bhavan (PO) Thiruvananthapuram – 695033 Kerala State
State	Kerala
Telephone Number	0471-2316275 2318294
Fax Number	0471-2318294
E-mail address	museumzoo@gmail.com
Website	www.museumandzoo.kerala.gov.in
Distance from nearest	Airport : 9 Kms Railway Station : 3 Kms Central Bus Stand : 3 Kms
Recognition valid up to	23 rd January 2020
Area (in hectares)	14.58
Number of Visitors (2019 – 20)	Adult : Children : Foreigners Total visitors

Visitors' facility available in Zoo

Batter operated vehicle, E-toilets, She-toilets, Morning walks, Children Park, 3-D Theater, Art Museum, Aquarium, Art Gallery, natural History Museum, Rain Shelters, Purified Drinking water points, Food court, Restaurant, Cafeteria, Wheel Chairs, Parking facility etc.

Management personnel of the Zoo

Name with designation of the officer in charge TV Anilkumar, Superintendent

Name of Veterinary Officer Dr. Jacob Alexander

Name of Curator Sangeetha Mohan

Name of Education Officer

Name of the Compounder/Lab Assistant SM Ragi

Owner/Operator of the Zoo

Name of the Operator RK Sing IAS

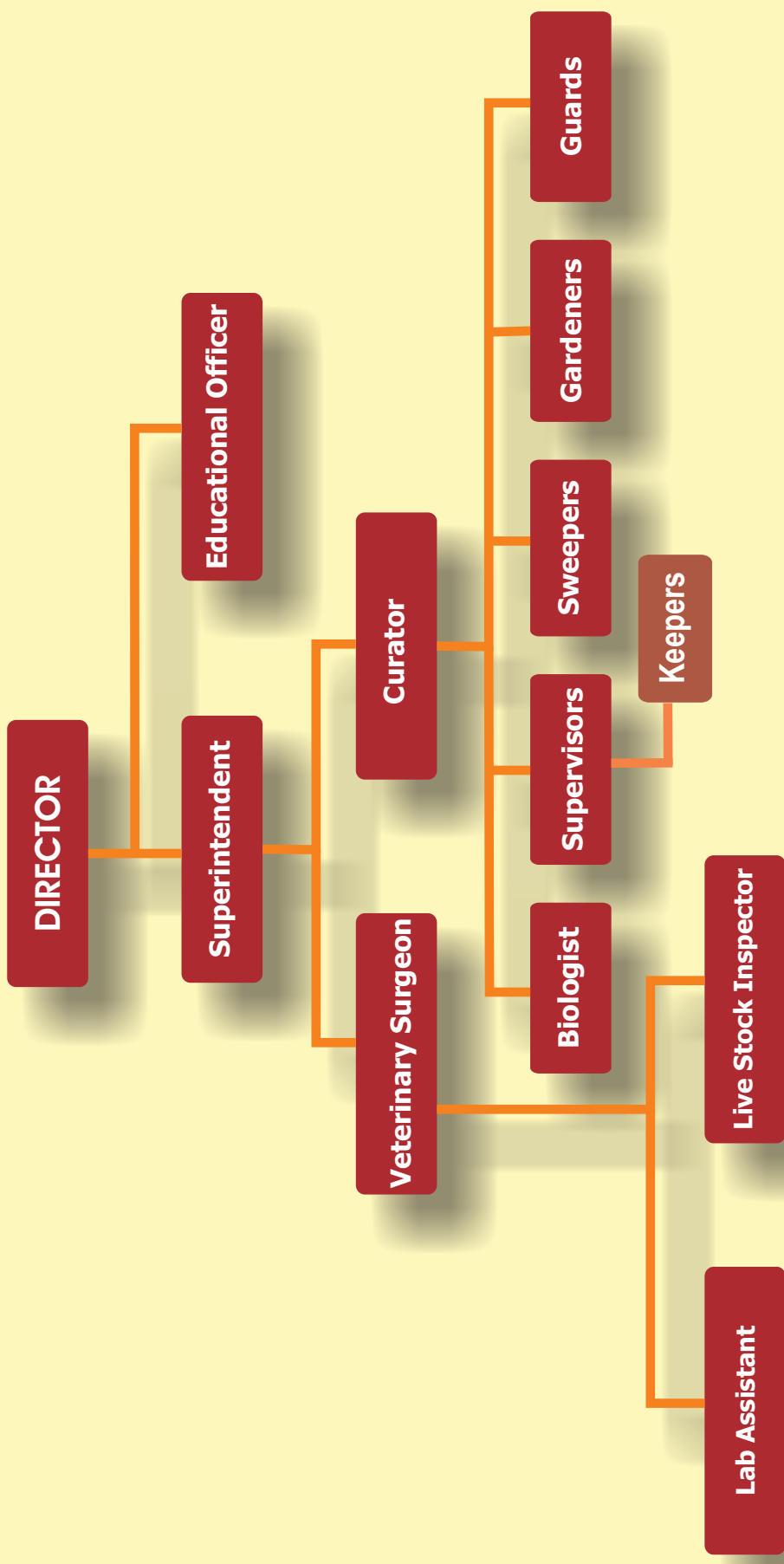
Address of the Operator Secretary, Cultural Affairs Department

Contact detail/phone number of operator 0471-2322903

Email address of operator secy.ahd@kerala.gov.in



7. Organisation Chart





Man power of the Zoo

Sl.No	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Director	1	S. Abu
2	Superintendent	1	T.V. Anilkumar
3	Curator	1	Sangeetha Mohan
4	Veterinary Surgeon	1	Dr. Jacob Alexander
5	Education Officer	1	P. Vijayalekshmi
6	Biologist	1	Shahina P
6	Livestock Inspector	1	Renjith Kumar T
7	Lab Assistant	1	Ragi S M
8	Supervisors	2	Thulaseedharan C
9			B. Saji
10	Keepers	31	A. Radhakrishnan Nair
11			R. Sudheesan
12			N. Muraleedharan Nair
13			K. Babu
14			S. Jayan
15			S. Vasudevan Nair
16			B. Rajesh
17			M. Ramachandran
18			D. Manoharan
19			V.A. Sreekumar
20			R. Ratheesh
21			N. Raveendran Nair
22			T.R. Radhakrishnan
23			R. Deepu
24	V.S, Manu		
25	S.S. Rajesh Kumar		
26	V. Anilkumar		
27	S.L. Sreejith		
28	A. Harshad		
29	K. Subhash		
30	A.S. Saji		
31	Midhun K.S.		
32	Kiran Babu B		

33	Keepers		Biju R
34			S.N. Rajesh
35			Shaji R
36			Biju V.R.
37			Sajan S
38			Shaiju G
39			Sabeer A A
40			Manesh K S
41	P.T. Keeper	4	D. Muraleedharan Nair
42			K.S. Sunil
43			N. Gopakumar
44			Bhaskaran C
45	Scavengers	3	T. Sajikumar
46			B. Leela
47			Binu Kumar V
48	Blacksmith	1	A.K. Rajan
49	Carpenter	1	Vacant
50	Mason	1	V.Sreekumar
51	Pump Operator	1	Vacant
52	Driver	1	B. Shameer
53	Van Cleaner	1	Vacant
54	Senior Civil Police Officer	1	Sasikumar C
55	Civil Police Officer	10	Rajesh B.C.
56			Girilal Kumar
57			Santhosh Kumar V
58			Manoj Babu
59			Anilkumar K.A.
60			Prasad R
61			Sagar M.S.
62			Aneesh A Salam
63			Manoj S
64			Anu D.S.
65	Sergeant	1	Abdul Kalam
66	Guards	14	Shamseer E
67			Aneesh Kumar K S
68			Suresh Roy P
69			K. Suresh
70			V.M. Sudheeran
71			P.V. Prasobhan
72			T.K. Rajith Kumar
73			V.S. Ajikumar
74			E. Unnikrishnan
75			V. Babu
76			Ragesh Cherotta
77			Vijeesh M.K.
78			Praveen P
79			Aneesh Kumar K.V.

80	Gardeners	9	Sindhu V B
81			Elcy M Mathew
82			K P Chacko
83			G Murali
84			Sreedevi R
85			Thulaseedharan Pillai
86			Rama S
87			Dhileep Kumar G
88			Sumalet R
89	P.T.Gardener	1	P. Vijayakumar
90	Sweepers	9	Valsala S
91			Anne Mary Elizabeth
92			Sreekala G
93			Sunilkumar K R
94			Manju B
95			Usha Kumari K
96			Saji Kumar A J
97			Vijayasree L
98			Jeena A S
99	P.T. Sweeper		Sulfath Beevi



CAPACITY BUILDING

Capacity Building of Zoo personnel

Sl. No.	Name and Designation of the Zoo Personnel	Subject Matter of Training	Period of Training	Name of the Institution where the Training attended
1	T.V. Anilkumar Superintendent	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
2	Sangeetha Mohan Curator	Computer Training on Office Automation for the employees of Department of Museums and Zoos	13.05.2019 to 17.05.2019	Institute of Management in Government, Thiruvananthapuram
3	Thulaseedharan C Supervisor	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
4	A. Radhakrishnan Nair Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
5	B. Rajesh Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
6	M. Ramachandran Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
7	N. Raveendran Nair Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
8	T.R. Radhakrishnan Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
9	V.S. Manu Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
10	S.S. Rajesh Kumar Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)

Sl. No.	Name and Designation of the Zoo Personnel	Subject Matter of Training	Period of Training	Name of the Institution where the Training attended
11	A. Harshad Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
12	K. Subhash Keeper	Computer Training on Office Automation for the employees of Department of Museums and Zoos	13.05.2019 to 17.05.2019	Institute of Management in Government, Thiruvananthapuram
13	Midhun K.S Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
14	Sabeer A.A Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
15	D. Muraleedharan Nair Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
16	K.S. Sunil Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
17	N. Gopakumar Keeper	Familiarisation of the Zoos in India	28.06.2019 to 07.07.2019	Chhatbir Zoo (Punjab), Nahargarh Zoo (Jaipur) and Rohtak Zoo (Haryana)
18	Sindhu V B Keeper	Training on Malayalam Computing (Unicode) for the	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram
19	Elcy M Mathew Keeper	Training on Malayalam Computing (Unicode) for the Employees of Museums and	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram
20	Sreedevi R Keeper	Training on Malayalam Computing (Unicode) for the	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram
21	Thulaseedharan Pillai Keeper	Training on Malayalam Computing (Unicode) for the	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram
22	Rama S Keeper	Training on Malayalam Computing (Unicode) for the	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram
23	Dhileep Kumar G Keeper	Training on Malayalam Computing (Unicode) for the	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram
24	Valsala S Keeper	Training on Malayalam Computing (Unicode) for the	01.07.2019 to 03.07.2019	Institute of Management in Government, Thiruvananthapuram

Health Advisory committee

a.	Date of constitution	:	28.2.2018
b.	Chairman	:	Principal Chief Conservator of Forests (WL) and Chief Wildlife Warden, Kerala
c.	Members	:	i. Chief Forest Veterinary Officer ii. Forest Veterinary Officer iii. Veterinary Officer of the concerned Zoo
d.	Dates on which meeting held during the year	:	25.9.2018



INCOME AND EXPENDITURE

Sl. No.	Particulars	Income
1	Zoo Entry Ticket	3,76,13,010
2	Aquarium Entry Ticket	45,19,273
3	Battery operated vehicle	33,27,290
4	Vehicle parking	65,82,150
5	Children Park	7,29,330
5	Selling of manures	1,99,680
6	Miscellaneous	8,386
	Total	5,29,79,119
Sl. No.	Particulars	Expenditure
1	Dietary articles for Zoo inmates	3,80,58,213
2	Developmental works inside the Zoo	1,83,32,992



Daily feed schedule of animals

CARNIVORES

Sl. No.	Name of Livestock	Beef (Kg.)	Liver (Kg)	Milk	Carnivore Mineral Mixture (g)
1	Tiger	7	0.25		25g/Kg of feed
2	White Tiger	10	0.25		
3	Lion	7	0.25	500 ml	
4	Leopard	3	0.25		
5	Jaguar	3	0.25		
6	Jackal	0.7			
7	Jungle Cat	0.2			
8	Cinerous Vulture	0.75			
9	Himalayan Vulture	0.75			
10	Bengal Vulture	0.25			
11	Hyaena	3			

BIRDS

Sl. No.	Name of Livestock	Fish (Kg)	Meat (g)
1	White Necked Stork	0.2	
2	Adjutant Stork	0.5	
3	Painted Stork	0.2	
4	Pelican - Rosy	0.5	
5	Pelican - Grey	0.5	
6	Spoonbill	0.15	
7	White Ibis	0.15	
8	Grey Heron	0.2	
9	Night Heron	0.15	
10	Pond Heron	0.15	
11	Purple Heron	0.15	
12	Darter	0.15	
13	Pariah Kite	0.04	50
14	Brahminy Kite	0.1	50
15	White bellied sea eagle	0.3	100
16	Barn Owl	0.25	50
17	Brown fish owl	0.1	250
18	Spot bellied eagle owl	0.13	250

Sl. No	Name of Livestock	Greens/ Coriander leaves (g)	Green chilly (g)	Green gram (g)	Poultry Feed (g)	Rice (cooked) (g)	Garlic (g)	Wheat (g)	Caged birds Mineral Mixture (g)
1	Pea fowl	30	20	20	30	100		30	55g/Kg of feed
2	Guinea fowl	30	20	20	30	100		30	
3	Ring Necked Pheasant	20	10	10	25	10	5	20	
4	Silver Pheasant	20	10	10	25	10	5	20	
5	Silver Golden Pheasant	20	10	10	25	10	5	20	
6	Golden Pheasant	20	10	10	25	10	5	20	
7	Khalij Pheasant	20	10	10	25	10	5	20	
8	Lady Amherst Pheasant	20	10	10	25	10	5	20	

EXOTIC BIRDS

Sl No	Name of Livestock	Sugarcane (g)	Sunflower/maize/jowar/Groundnut (WH) and WOH/badam (mix) (g)	Banana (g)	Apple (g)	Guava (g)
1	Green winged macaw	55	80	55	35	35
2	Blue gold macaw	55	80	55	35	35
3	Scarlet macaw	55	80	55	35	35
4	Sulphur Cockatoo	55	80	55	35	35
5	Palm Cockatoo	55	80	55	35	35
6	Yellow Collared Macaw	55	80	55	35	35

SI No	Name of Livestock	Sugarcane (g)	Sunflower/maize/jowar/ Groundnut (WH) and WOH/badam (mix) (g)	Banana (g)	Apple (g)	Guava (g)	Papaya (g)
1	Eclectus parrot	50	20	40	15	15	65
2	Orange winged amazon	50	20	40	15	15	65
3	African grey Parrot	50	20	40	15	15	65
4	Sun Conure	50	20	40	15	15	65
5	Salmon crested cockatoo	50	20	40	15	15	65
6	Violet turaco		20		25	25	25
7	Hartlaubs Turaco		20		25	25	25
8	Blue crowned Pigeon		20		25	25	25

SI No	Name of Livestock	Banana (g)	Greens/ spinache (g)	Dog Feed (g)	Layer/ Ostrich feed (g)	Green gram (g)	Cucumber (g)	Bread (g)	Carrot (g)	Raw rice (g)	Caged birds Mineral Mixture (g)
1	Ostrich	500	15 Kg	400							55g/ Kg of feed
2	Emu	750	500		250	250	250	200		250	
3	Emu (juvenile)		500		150				400		
4	Farm Ostrich		5 Kg		250						

SI No	Name of Livestock	Greens/ Spinache (g)	Poultry Feed (g)	Boiled Eggs with shell	Heart of beef (cooked) 9G0	Cauliflower (g)	Cabbage (g)	Carrot (g)	Caged birds Mineral Mixture (g)
1	Rhea	1,000	270	1 No.	200	150	100	100	55g/ Kg of feed
2	Rhea (juvenile)	750	200	1 No.				500	

SI No.	Name of Livestock	Bengal Gram (g)	Guava (g)	Grapes (g)	Ground nut (WH) (g)	Groundnut WOH (g)	Mango/Apple (g)
1	Parakeets	25	20	30	25	20	50

SI No	Name of Livestock	Thina (g)	Rice cooked (g)	Cucumber (g)	Spinache (g)	Green gram (g)	Egg (No.)	Caged birds Mineral Mixture (g)
1	Black Swan	20	40	110	40	40	half	55 g / Kg of feed.
2	Crusted duck	20	40	110	40	40	half	
3	Lesser Whistling teal	20	40	110	40	40	half	

HERBIVORES

SI No.	Name of Livestock	Guava (g)	Grapes (g)	Coconut (g)	Mango/Apple/Pineapple (g)	Bread (g)	Orange (g)	Papaya (g)	Water Melon (g)	Cowpea (g)
1	Giant Squirrel	60	65	20	40	40	40	40	50	51

SI No.	Name of Livestock	Banana (g)	Grapes (g)
1	Toddy Cat	250	150

SI No	Name of Livestock	Jaggery (g)	Bread (g)	Grapes (g)	Honey (g)	Cucumber (g)	Milk (g)	Orange (g)	Water Melon (g)	Ground Nut WH & WOH (g)	Egg boiled (no.)
1	Sloth bear	45	300	400	100	1,000	1	200	1,250	200 WH 35 WOH	1
2	Himalayan Black Bear	45	300	400	100	1,000	1	200	1,500	200 WH 35 WOH	2

Sl No	Name of Livestock	Cattle feed (Kg)	Cucumber (Kg)	Water Melon (Kg)	Banana (Kg)	Carrot (Kg)	Ragi (g)	Wheat bran (Kg)	Rice (Kg)	Grass (Kg)	Fodder (Kg)	Guinea grass (Kg)	Onion (g)	Cowpea (Kg)	Mineral Mixture	Salt	Asafoetida
1	Rhino	4	2	3	2	5	250	4	1	20	30	15	800	4.5	2%	1%	200 gms per month
2	Hippo							2.5	1	50	2						

Sl. No.	Name of Livestock	Pineapple (g)	Tapioca (g)	Water Melon (g)	Bread (g)	Plantain (g)	Grapes (g)
1	Porcupine	80	300	500	45	600	150

Sl. No	Name of Livestock	Grass (Kg)	Fodder (Kg.)	Cattle feed (Kg)	Bengal gram (g)	Green gram (g)	Cotton seed (g)	Herbivore Mineral Mixture	Salt
1	Spotted deer	1	4	1	60	60	60	2% of concentrate	1% of concentrate
2	Hog deer	1	3	1	60	60	60		
3	Sambar deer	1.5	7	1.5	80	80	80		
4	Barking deer	1	2	0.5	40	50	40		
5	Black buck	1	2	1	50	50	50		
6	Nilgai	7	8	3	0.5	0.5	0.5		
7	Cape buffalo	10	15	4	0.5	0.5	0.5		
8	Gaur	12.5	12.5	4	0.5	0.5	0.5		

Sl. No	Name of Livestock	Guinea grass (g)	Fodder (g)	Cattle feed (g)	Wheat bran (g)	Cucumber (g)	Banana (g)
1	Barasingha	1,000	500	250	1,000	700	500

Sl. No.	Name of Livestock	Guinea grass (g)	Karuka grass (g)	Plantain (g)	Wheat bran (g)	Carrot (g)	Equimine Mineral Mixture (g)	Salt (g)
1	Zebra	5	5	500	1	1	150 g daily for each inmates	2% of concentrate

Sl. No.	Name of Livestock	Fresh fish (Kg)
1	Otter	3

PRIMATES

Sl. No	Name of Livestock	Banana / Plantain	Bread	Guava/ Tomato/ Orange	Coconut	Mango/ Apple/ Water Melon	Grapes	Groundnut WH	Pineapple /Papaya	Egg boiled
1	Lion Tailed Macaque	150 gm each	30 gm	50 gm	40 gm	120 gm	150 gm	40 gm	40 gm	1
2	Nilgiri Langur	151 gm each	30 gm	50 gm	40 gm	121 gm	151 gm	40 gm	40 gm	1
3	Common Langur	152 gm each	40 gm	50 gm	40 gm	122 gm	152 gm	40 gm	40 gm	1
4	Rhesus Macaque	153 gm each	40 gm	50 gm	40 gm	123 gm	153 gm	40 gm	40 gm	1

Sl. No.	Name of Livestock	Chicken live/Rabbit	Mice	Mice/Chicks	Egg/Mice	Mice	Rat snake	Lizard	Fish
1	Python	Weekly 1							
2	King cobra						Weekly 1		
3	Cobra			Weekly 1					
4	Anaconda	Once in 3 days							
5	Sandboa red				Weekly 1				
6	Common sandboa					Weekly 1			
7	Viper					Weekly 1			
8	Krait		Weekly 1						
9	Rat snake			Weekly 1					
10	Trinket Snake					Weekly 1			
11	Checked keelback Water Snake								Daily 20 g
12	Smooth Water Snake								
13	Ornate Flying Snake							Weekly 4	

Sl. No.	Name of Livestock	Fish	Meat
1	Gharial	1.100 Kg	
2	Spectacled Caiman	160 g	200 g weakly
3	Indian flapshell turtle	20 g	
4	Indian black turtle	20 g	
5	Red eared slider	20 g	

Sl. No.	Name of Livestock	Meat	Egg (Boiled)
1	Monitor Lizard/ Varanus	100 g	1
2	Crocodile Marsh (Mugger)	1.5 Kg weekly	200 g weakly

Sl. No.	Name of Livestock	Spinache (g)	Cabbage (g)	Banana (g)	Cactus (g)	Cucumber (g)	Carrot (g)	Vallipayar (g)	Apple (g)
1	Land Tortoise	80	80	80					
2	Star Tortoise	13	200 g weakly		13	13		26	
3	Iguana	30		30					30





Vaccination Schedule of animals

Sl. No.	Species	Disease vaccinated for	Name of the vaccine and dosage/quantity used	Periodicity	Remarks
1	Primates	Poliomyelitis	Modified Live Virus Vaccine	Annual	The periodicity and essentiality of vaccination of wild animals are only taken up based on epidemiological intelligence reports and prevalence of the diseases
2		Measles	Modified Live Virus Vaccine	Annual	
3		Mumps	Modified Live Virus Vaccine	Annual	
4		DPT/Tetanus	Killed/T oxoid	Annual	
5		Rabies		Annual	
6	Canidae	Canine Distemper	Modified Live Virus Vaccine	Annual	
7		Canine Adenovirus 2	Modified Live Virus Vaccine	Annual	
8		Canine Parvovirus	Killed	Annual	
9		Canine Parainfluenza	Modified Live Virus Vaccine	Annual	
10		Rabies	Killed	Annual	
11		Leptospira bacteria	Killed	Annual	
12	Felidae	Feline panleukopaenia	Killed	Annual	
13		Feline rhinotracheitis	Killed	Annual	
14		Feline Calciviruses	Killed	Annual	
15		Rabies	Killed	Annual	
16		Canine Distemper	Killed	Annual	

Sl. No.	Species	Disease vaccinated for	Name of the vaccine and dosage/quantity used	Periodicity	Remarks
17	Ursidae	Canine Adenovirus 2	Killed	Annual	Vaccination for avians especially New Castle Disease, Duck Plague Virus, Avian Influenza is taken up only after screening.
18		Leptospira bacterin	Killed	Annual	
19		Rabies	Killed	Annual	
20	Hyaenidae	Canine Distemper	Modified Live Virus Vaccine	Annual	
21		Feline panleukopaenia	Killed	Annual	
22	Artiodactyla	FMD	QAC Asia	Biannual	
23	Ruminantia	HS+BQ	Killed	Annual	
24	Equidae	Equine rhinopneumonitis	Killed	Every 4 months	
25	Perissodactyla	Leptospira bacteria	Killed	Annual	Chaemoprophyllactic agents are delivered in control diseases like trypanosomiasis based on index case/lab findings.
26	Proboscidea	Tetanus	Toxoid	Biannual	
27		FMD	QAC Asia 1	Biannual	
28		Anthrax	Killed	Annual	



De-worming schedule of animals

Sl. No.	Species	Drug used	Month	Remarks
1	Primates	Broad spectrum anthelmintis	December	There is lot of resistance developing to anthelmintes due to regular deworming schedule. No new molecules are being discovered in this area. The present concept is to deworm only if indicated by laboratory tests.
2	Canidae		April, October	
3	Felidae		April, October	
4	Ursidae		May	
5	Artiodactyla		November, May	
6	Perissodactyla		April	
7	Proboscidea		November	
8	All Birds		September	
9	All reptiles		October	

Disinfection Schedule

Sl. No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection	Remarks
1	Primates	Animal House	PP solution - Scrub	daily	PP - Potassium Permanganate QAC - Quarterly Ammonium Compounds
2		Foot bath	PP/QAC/Bleach	daily	
3	Canidae	Animal House	Bleach/QAC	Once in a week	
4		Foot bath	PP/QAC/Bleach	daily	
5	Felidae	Animal House	PP	daily	
6			Turmeric	Once in a month	
7			Bleach	Once in two months	
8		Enclosure	Fire - Diesel & Petrol	Once in five years	
9		Foot bath	PP/QAC/Bleach		
10	Ursidae	Animal House	PP	daily	
11		Foot bath	PP/QAC/Bleach	daily	
12		Enclosure	Salt/Bleach		
13	Hyaenidae	Animal House	PP	daily	
14			Bleach/QAC	Once in a month	
15		Enclosure	Salt/Bleach	Once in a month	
16	Artiodactyla	Animal House	QAC/ 3 % Sodium hypochlorate	Once in a week	
17		Foot bath	QAC/Bleach	daily	
18		Enclosure	Salt/Sodium hypochlorate	Rainy season/ FMD	
19	Equidae/Perissodactyla	Animal House	QAC/Bleach	Once in a month	
20		Foot bath	Bleach/QAC	daily	
21		Enclosure	Bleach	Once in a year	
22	Proboscidea	Animal House	QAC/Bleach	Once in a month	
23		Foot bath	Bleach/QAC	daily	
24		Enclosure	Bleach	Once in a year	



18. Visitor Amenities



Smart She Toilets



Toilets for differently abled visitors



Food court for visitors



Battery operated vehicle



Resting place for visitors





24 x 7 Surveillance



19. Educational and Awareness programmes during the year



World Tiger Day



20. Events and happenings



Birth of Striped Hyaena



Oriental Ibis hatchlings

22. Conservation Breeding Programme of the Zoo

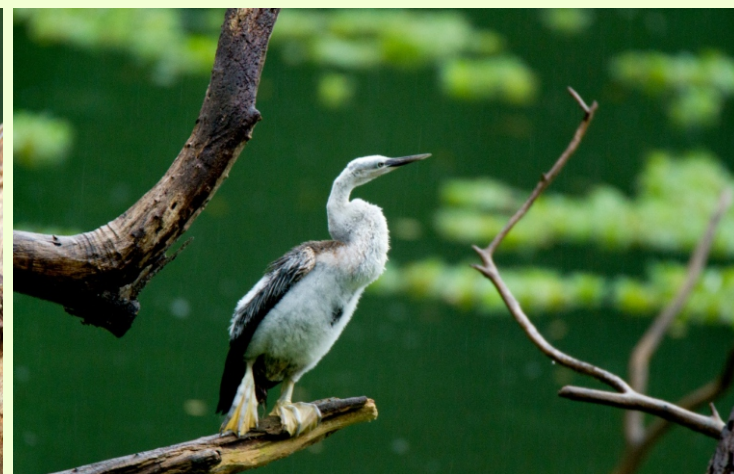
Thiruvananthapuram Zoological Garden is a participant Zoo along with Arignar Anna Zoological Park, Vandallor, Chennai and Chamarajedra Zoological Garden, Mysore for the Conservation Breeding of Lion Tailed Macaques



06.04.

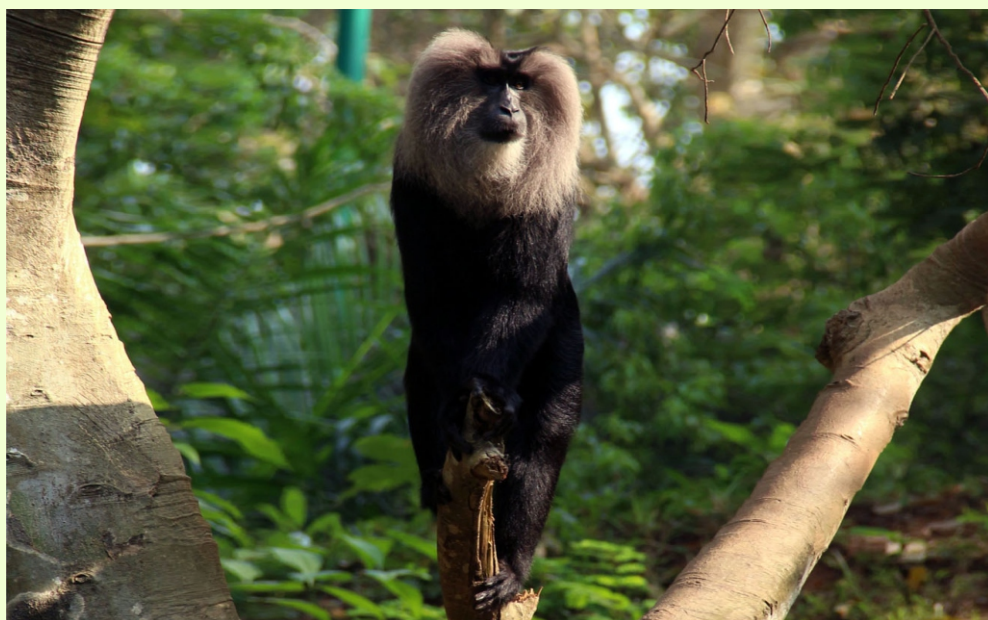
Sl.No.	SPECIES NAME	ANIMAL NAME	OPENING STOCK As on 01.04.2019				BIRTHS				ACQUISITIONS				DISPOSALS			DEATHS			CLOSING STOCK As on 31.03.2020			
			M	F	U	T	M	F	U		M	F	U		M	F	U	M	F	U	M	F	U	T
Endangered Species (Schedule I and II)																								
1	Bird	Eagle White Bellied Sea	0	0	1	1	0	0	0		0	0	0		0	0	0	0	0	0	0	0	1	1
2	Bird	Peafowl	11	11	0	22	0	0	0		0	0	0		0	0	0	2	1	0	9	10	0	19
3	Bird	Peafowl (White)	0	1	0	1	0	0	0		0	0	0		0	0	0	0	0	0	0	1	0	1
4	Bird	Pheasant Kalij	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
5	Bird	Vulture Black/ Cinerous	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
6	Bird	Vulture Himalayan Griffon	1	0	1	2	0	0	0		0	0	0		0	0	0	0	0	0	1	0	1	2
7	Bird	Vulture White Backed - Bengal	0	1	0	1	0	0	0		0	0	0		0	0	0	0	0	0	0	1	0	1
8	Mammal	Bear Himalayan Black	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
9	Mammal	Bear Sloth	0	1	0	1	0	0	0		0	0	0		0	0	0	0	0	0	0	1	0	1
10	Mammal	Black Buck (Krishna Mrig)	15	35	5	55	7	5	1		0	0	0		0	0	0	0	1	0	22	39	6	67
11	Mammal	Black Buck (Albino)	3	3	0	6	1	0	4		0	0	0		0	0	0	0	0	0	4	3	4	11
12	Mammal	Cat Jungle	5	0	0	5	0	0	0		0	0	0		0	0	0	0	0	0	5	0	0	5
13	Mammal	Civet Common Palm - Cat Toddy	1	2	0	3	0	0	0		0	0	0		0	0	0	0	0	0	1	2	0	3
14	Mammal	Civet - Small Indian	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
15	Mammal	Swamp Deer	9	14	0	23	3	1	0		0	0	0		0	0	0	2	0	0	10	15	0	25
16	Mammal	Gaur (Indian Bison)	9	3	0	12	1	2	0		0	0	0		0	0	0	0	0	0	10	5	0	15
17	Mammal	Hyaena striped	1	1	6	8	0	0	0		0	0	0		0	0	0	0	0	0	2	3	3	8
18	Mammal	Jackal	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
19	Mammal	Langur Common	1	2	0	3	0	0	0		0	0	0		0	0	0	1	1	0	0	1	0	1
20	Mammal	Langur Nilgiri	1	2	0	3	0	0	0		0	0	0		0	0	0	0	0	0	1	2	0	3
21	Mammal	Leopard (Panther)	3	4	0	7	1	0	0		0	0	0		0	0	0	0	0	0	4	4	0	8
22	Mammal	Macaque Lion-Tailed	5	5	0	10	0	0	0		0	1	0		0	0	0	0	1	0	5	5	0	10
23	Mammal	Macaque Rhesus	3	4	0	7	0	0	0		1	0	0		0	0	0	0	0	0	4	4	0	8
24	Mammal	Otter Common	2	1	0	3	0	0	0		0	0	0		0	0	0	0	0	0	2	1	0	3
25	Mammal	Rhinoceros Indian One Horned	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1

Sl.No.	SPECIES NAME	ANIMAL NAME	OPENING STOCK As on 01.04.2019				BIRTHS			ACQUISITIONS			DISPOSALS			DEATHS			CLOSING 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		
26	Mammal	Squirrel Giant Malabar / Indian	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	2
27	Mammal	Tiger Bengal	5	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	7	
28	Mammal	Tiger Bengal (Albino)	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
29	Reptile	Cobra Indian	5	6	15	26	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	15	26	
30	Reptile	Cobra King	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
31	Reptile	Crocodile Long Snouted (Gharial)	2	4	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	
32	Reptile	Crocodile Marsh (Mugger)	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
33	Reptile	Monitor Lizard/ Common Indian	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
34	Reptile	Python Indian - Rock	4	2	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	8	
35	Reptile	Python Regal/ Reticulated	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
36	Reptile	Snake Keelback Checkered	0	1	3	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	3	
37	Reptile	Snake Rat/ Dhaman	2	2	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	8	
38	Reptile	Tortoise (Indian Star)	3	2	11	16	0	0	0	1	1	0	0	0	0	3	3	0	1	0	11	12		
39	Reptile	Turtle Fresh Water/ Indian Soft Shelled	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
40	Reptile	Viper Russels	2	2	2	6	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2		
			105	119	54	278	13	8	5	2	2	0	0	0	0	0	0	11	11	0	110	120	56	286



Sl. No.	SPECIES NAME	ANIMAL NAME	OPENING STOCK As on 01.04.2019				BIRTHS				ACQUISITIONS				DISPOSALS			DEATHS			CLOSING 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
SPECIES SCHEDULE III and IV)																								
41	Bird	Darter - Snake Bird	3	2	3	8	0	0	1	0	0	0	0	0	0	0	0	0	0	3	2	4	9	
42	Bird	Heron Grey	2	2	5	9	0	0	4	0	0	0	0	0	0	0	1	0	0	1	2	9	12	
43	Bird	Heron Night	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
44	Bird	Heron Pond	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
45	Bird	Heron Purple	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
46	Bird	Ibis White	10	8	15	33	4	2	5	0	0	0	0	0	0	0	2	0	0	12	10	20	42	
47	Bird	Kite Brahminy	2	1	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	5	8	
48	Bird	Kite Pariah/ Black Kite	2	3	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	7	
49	Bird	Owl Barn	0	0	16	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	14	14	
50	Bird	Owl Brown Fish	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
51	Bird	Owl Eagle Forest	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
52	Bird	Parakeet Alexandrine	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
53	Bird	Parakeet Rose Ring	31	24	70	125	0	0	11	0	0	0	0	0	0	0	0	0	0	31	24	81	136	
54	Bird	Pelican Rosy/White	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5	
55	Bird	Pelican Spot Billed / Grey	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
56	Bird	Purple Moorhen	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
57	Bird	Stork Adjutant	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
58	Bird	Stork Painted	1	1	0	2	3	3	0	5	5	0	0	0	0	0	0	0	0	9	9	0	18	
59	Bird	Teal Lesser Whistling	1	3	7	11	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	7	7	
60	Mammal	Deer Barking (Kakar)	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5	
61	Mammal	Deer Hog	10	28	0	38	3	6	7	0	0	0	0	0	0	4	2	0	9	32	7	48		
62	Mammal	Deer Sambar	29	101	0	130	0	0	0	0	0	0	0	0	0	5	6	0	24	95	0	119		
63	Mammal	Deer Spotted (Chital)	56	173	2	231	25	6	0	0	0	0	0	0	0	7	3	0	74	176	0	250		
64	Mammal	Lion Hybrid	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
65	Mammal	Nilgai - Blue Bull	5	7	1	13	5	0	0	0	0	0	0	0	0	0	0	0	10	7	1	18		

Sl. No.	SPECIES NAME	ANIMAL NAME	OPENING STOCK As on 01.04.2019				BIRTHS				ACQUISITIONS				DISPOSALS			DEATHS			CLOSING 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
66	Mammal	Porcupine Indian	4	2	11	17	0	0	3		0	0	0		0	0	0	0	0	0	4	2	14	20
67	Reptile	Krait Common Indian	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
68	Reptile	Sand Boa Common	1	2	1	4	0	0	0		0	0	0		0	0	0	0	2	0	1	0	1	2
69	Reptile	Sand Boa Red	4	1	2	7	0	0	0		0	0	4		0	0	0	3	1	0	1	0	6	7
70	Reptile	Snake Green Whip	1	0	0	1	0	0	0		0	0	1		0	0	0	0	0	0	1	0	1	2
71	Reptile	Snake Ornate	0	0	3	3	0	0	0		0	0	1		0	0	0	0	0	0	0	0	4	4
72	Reptile	Snake Trinket	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
73	Reptile	Snake Water	1	2	1	4	0	0	0		0	0	0		0	0	0	1	0	0	0	2	1	3
74	Reptile	Terrapin Red Eared	0	0	10	10	0	0	0		0	0	0		0	0	0	0	0	0	0	0	10	10
75	Reptile	Tortoise (Unidentified)	0	0	2	2	0	0	0		0	0	0		0	0	0	0	0	0	0	0	2	2
76	Reptile	Turtle Pond	7	7	11	25	0	0	0		0	0	0		3	3	7	0	0	0	4	4	4	12
			184	382	171	737	40	17	31		5	5	6		3	3	7	24	13	0	202	384	197	783



Sl.No.	SPECIES NAME	ANIMAL NAME	OPENING STOCK As on 01.04.2019				BIRTHS				ACQUISITIONS				DISPOSALS			DEATHS			CLOSING 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
Exotic Species																								
77	Bird	Amazon Blue Fronted	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
78	Bird	Cockatoo Moluccan/ Salmon Crested	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
79	Bird	Cockatoo Palm	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
80	Bird	Cockatoo Sulphur Crested	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
81	Bird	Conure Sun	0	0	23	23	0	0	0		0	0	0		0	0	0	1	0	0	0	0	22	22
82	Bird	Duck White Crested	2	0	0	2	0	0	0		0	0	0		0	0	0	0	0	0	2	0	0	2
83	Bird	Emu	0	5	0	5	0	0	0		0	0	0		0	0	0	0	0	0	0	5	0	5
84	Bird	Fowl Guinea Vulturine	1	0	0	1	0	0	0		0	0	0		0	0	0	1	0	0	0	0	0	0
85	Bird	Fowl Guinea Kenya Crested	1	1	0	2	0	0	0		0	0	0		0	0	0	0	1	0	1	0	0	0
86	Bird	Macaw Blue & Yellow	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
87	Bird	Macaw Green Winged	2	2	0	4	0	0	0		0	0	0		0	0	0	0	0	0	2	2	0	4
88	Bird	Macaw Scarlet	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
89	Bird	Ostrich	2	0	0	2	0	0	0		1	1	0		0	0	0	1	0	0	2	1	0	3
90	Bird	Parakeet Eclectus	2	2	0	4	0	0	0		0	0	0		0	0	0	0	0	0	2	2	0	4
91	Bird	Parrots African Grey	3	2	0	5	0	0	0		0	0	0		0	0	0	0	0	0	3	2	0	5
92	Bird	Partridge Chukar	0	0	0	0	0	0	0		3	3	0		0	0	0	3	1	0	0	2	0	2
93	Bird	Pheasant Buff Ring Necked	1	1	0	2	0	0	0		0	0	0		0	0	0	1	0	0	0	1	0	1
94	Bird	Pheasant Golden	2	2	0	4	1	0	0		0	0	0		0	0	0	0	0	0	3	2	0	4
95	Bird	Pheasant Lady Amherst	1	2	0	3	0	0	0		0	0	0		0	0	0	0	1	0	1	1	0	2
96	Bird	Pheasant Melanistic	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
97	Bird	Pheasant Ring Necked	1	0	0	1	0	0	0		0	0	0		0	0	0	0	0	0	1	0	0	1
98	Bird	Pheasant Silver	3	2	0	5	0	0	0		0	0	0		0	0	0	0	0	0	3	2	0	5
99	Bird	Pheasant Yellow Golden	2	0	0	2	0	0	0		0	0	0		0	0	0	1	0	0	1	0	0	1
100	Bird	Pigeon Blue Crowned	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
101	Bird	Rhea Brown	13	11	0	24	0	0	2		0	0	0		1	1	0	0	0	0	12	10	2	24
102	Bird	Rhea White	8	8	0	16	1	1	6		0	0	0		1	1	0	0	3	0	8	5	6	19
103	Bird	Swan Black	1	2	1	4	0	0	0		0	0	0		0	0	0	0	1	0	1	1	1	3
104	Mammal	Buffalo Cape African	1	3	0	4	0	0	0		0	0	0		0	0	0	0	0	0	1	3	0	4
105	Mammal	Hippopotamus	2	7	0	9	0	0	0		0	0	0		0	0	0	0	0	0	2	7	0	9
106	Mammal	Sugar Glider	1	1	0	2	0	0	0		0	0	0		0	0	0	0	0	0	1	1	0	2
107	Reptile	Anaconda Green	3	4	0	7	0	0	0		0	0	0		0	0	0	3	2	0	0	2	0	2
108	Reptile	Caiman Spectacled	1	2	0	3	0	0	0		0	0	0		0	0	0	0	0	0	1	2	0	3
			61	61	24	146	2	1	8		4	4	0		2	2	0	11	9	0	55	55	31	139
Grand Total			350	562	249	1161	55	26	77	0	11	11	6	0	5	5	7	46	33	0	367	559	284	1208



Sl.No.	Date	Species	Sex
1	10.04.2019	Painted Stork	F
2	10.04.2019	Painted Stork	M
3	10.04.2019	Painted Stork	M
4	15.04.2019	Painted Stork	M
5	15.04.2019	Painted Stork	F
6	20.04.2019	Painted Stork	F
7	24.04.2019	Swamp deer	M
8	27.04.2019	Hog Deer	M
9	30.04.2019	Hog Deer	F
10	10.05.2019	Spotted Deer	M
11	11.05.2019	Spotted Deer	F
12	11.05.2019	Oriental White Ibis	M
13	11.05.2019	Oriental White Ibis	F
14	11.05.2019	Darter	U
15	11.05.2019	Gaur	M
16	17.05.2019	Swamp deer	F
17	17.05.2019	Swamp deer	M
18	20.05.2019	Black buck	M
19	22.05.2019	Spotted Deer	M
20	27.05.2019	Spotted Deer	M
21	30.05.2019	Spotted Deer	M
22	31.05.2019	Spotted Deer	M
23	01.06.2019	Spotted Deer	M
24	06.06.2019	Gaur	F
25	12.06.2019	Spotted Deer	F
26	16.06.2018	Golden Pheasant	M
27	17.06.2019	Spotted Deer	M
28	20.06.2019	Spotted Deer	M
29	23.06.2019	Spotted Deer	F
30	28.06.2019	Swamp deer	M

31	28.06.2019	Porcupine	U
32	29.06.2019	Porcupine	U
33	29.06.2019	Porcupine	U
34	01.07.2019	Black buck	M
35	05.07.2019	Spotted Deer	M
36	05.07.2019	Spotted Deer	F
37	06.07.2019	Black buck	M
38	07.07.2019	Spotted Deer	M
39	13.07.2019	Spotted Deer	M
40	14.07.2019	Black buck	F
41	17.07.2019	Black buck (Albino)	M
42	17.07.2019	Leopard	
43	20.07.2019	Spotted Deer	M
44	27.07.2019	Spotted Deer	M
45	28.07.2019	Spotted Deer	M
46	03.08.2019	Black buck	F
47	06.08.2019	Spotted Deer	F
48	09.08.2019	Spotted Deer	M
49	10.08.2019	Spotted Deer	M
50	10.08.2019	Black buck	M
51	11.08.2019	Spotted Deer	M
52	12.08.2019	Black buck (Albino)	U
53	14.08.2019	Spotted Deer	F
54	15.08.2019	Hog Deer	F
55	16.08.2019	Spotted Deer	M
56	18.08.2019	Black buck	M
57	20.08.2019	Hog Deer	M
58	27.08.2019	Spotted Deer	M
59	30.08.2019	Hog Deer	F
60	7.09.2019	Spotted Deer	M
61	9.09.2019	Hog Deer	F
62	14.09.2019	Spotted Deer	M
63	23.09.2019	Black buck	M
64	08.10.2019	Spotted Deer	M
65	08.10.2019	Hog Deer	F
66	09.10.2019	Black buck (Albino)	U
67	10.10.2019	Hog Deer	F
68	16.10.2019	Spotted Deer	M
69	20.10.2019	Spotted Deer	M

70	21.10.2019	Spotted Deer	M
71	24.10.2019	Grey Heron	U
72	24.10.2019	Grey Heron	U
73	25.10.2019	Oriental White Ibis	M
74	25.10.2019	Oriental White Ibis	F
75	25.10.2019	Oriental White Ibis	M
76	25.10.2019	Nilgai	M
77	25.10.2019	Nilgai	M
78	30.10.2019	Oriental White Ibis	M
79	30.10.2019	Oriental White Ibis	U
80	30.10.2019	Oriental White Ibis	U
81	09.11.2019	Nilgai	M
82	09.11.2019	Nilgai	M
83	04.12.2019	Gaur	F
84	10.12.2019	Hog Deer	M
85	12.12.2019	Hog Deer	U
86	15.12.2019	Hog Deer	U
87	17.12.2019	Nilgai	M
88	17.12.2019	Hog Deer	U
89	20.12.2019	Hog Deer	U
90	25.12.2019	Hog Deer	U
91	04.01.2020	Grey Heron	U
92	04.01.2020	Grey Heron	U
93	11.01.2020	Oriental White Ibis	U
94	11.01.2020	Oriental White Ibis	U
95	11.01.2020	Oriental White Ibis	U
96	14.01.2020	Black buck	M
97	16.01.2020	Black buck	F
98	21.01.2020	Black buck (Albino)	U
99	23.01.2020	Black buck	F
100	26.01.2020	Black buck (Albino)	U



101	15.02.2020	Rose Ringed Parakeet	U
102	15.02.2020	Rose Ringed Parakeet	U
103	15.02.2020	Rose Ringed Parakeet	U
104	17.02.2020	Black buck	F
105	17.02.2020	Hog Deer	U
106	18.02.2020	Rhea White	M
107	20.02.2020	Rhea brown	U
108	23.02.2020	Rhea White	M
109	25.02.2020	Rhea White	U
110	25.02.2020	Rose Ringed Parakeet	U
111	25.02.2020	Rose Ringed Parakeet	U
112	27.02.2020	Rhea White	U
113	30.02.2020	Grey Heron	U
114	30.02.2020	Grey Heron	U
115	03.03.2020	Hog Deer	U
116	05.03.2020	Rhea brown	U
117	05.03.2020	Rose Ringed Parakeet	U
118	05.03.2020	Rose Ringed Parakeet	U
119	05.03.2020	Rose Ringed Parakeet	U
120	07.03.2020	Black buck	U
121	08.03.2020	Rhea White	U
122	13.03.2020	Rhea White	U
123	14.03.2020	Rose Ringed Parakeet	U
124	14.03.2020	Rose Ringed Parakeet	U
125	20.03.2020	Rose Ringed Parakeet	U
126	20.03.2020	Rhea White	U
126	20.03.2020	Rhea White	U





Sl. No	Date	Species	Sex	Cause of Death
1	01.04.2019	Spotted DeEr	M	Aspiration Pneumonia
2	05.04.2019	Sambar Deer	M	Rupture of rumen and peritonitis due to penetrating wound.
3	10.04.2019	Sambar Deer	M	Peritonitis due to penetrating wound. (Crow)
4	14.04.2019	Sambar Deer	F	Old Age - bronchopneumonia
5	20.04.2019	Sambar Deer	F	Cancer and Old Age
6	03.05.2019	Malabar Giant Squirrel	F	Old Age - Right sided Cardiac failure.
7	04.05.2019	Pea Fowl	F	Traumatic head injury
8	08.05.2019	Nilgiri Langur (Rescued from Forest)	F	Electrocution - fracture of skull due to fall from electric line
9	08.05.2019	Hog deer	M	Infighting - Penetrating wound into thorax
10	09.05.2019	Lady Amherst's Pheasant	F	Infighting
11	14.05.2019	Sambar Deer	F	Old Age - Infighting penetrating wound into thorax.
12	15.05.2019	Kenya Crested Guinea Fowl	F	Predator Attack
13	16.05.2019	Star Tortoise	F	Urolithiasis
14	27.05.2019	Spotted Deer	M	Infighting - severe trauma to abdomen.
15	09.06.2019	Spotted Deer	M	Infighting
16	14.06.2019	Yellow Golden Pheasant	M	Predator Attack
17	17.06.2019	Black Swan	F	Traumatic head injury
18	24.06.2019	Rhea White	F	Traumatic head injury
19	25.06.2019	Spotted Deer	M	Infighting
20	03.07.2019	Spotted Deer	M	Infighting - Internal Breeding and fracture of fore limb
21	08.07.2019	Spotted Deer	F	Right sided Cardiac Failure due to post parturiant complications.

21	08.07.2019	Spotted Deer	F	Right sided Cardiac Failure due to post parturiant complications.
22	13.07.2019	Barn Owl	F	Aspiration of meat and choking
23	14.07.2019	Hog deer	M	Infighting - extensive wounds on both the thighs.
24	16.07.2019	Red Sand boa	F	Scale rot
25	19.07.2019	Chukar partridge	M	Infighting, traumatic head injury.
26	24.07.2019	Chukar partridge	M	Infighting, traumatic head and neck injury, tumour on kidney
27	24.07.2019	Keel back Checkered	F	Strangulated by turtles in the enclosure.
28	04.08.2019	Spotted Deer	M	Infighting
29	05.08.2019	Anaconda (Renuka)	M	Starngulation
30	07.08.2019	Monitor Lizard	M	Hepatic Carcinoma
31	10.08.2019	Buff Ring Necked Pheasant	M	Traumatic injury to the thigh, paresis and necrosis of muscles.
32	10.08.2019	Painted Stork	M	Traumatic injury to the head and neck
33	18.08.2019	Painted Stork	M	Traumatic injury to the head and neck
34	18.08.2019	Star Tortoise	F	Tortion and rupture of UB
35	20.08.2019	Anaconda (Angela)	F	Proliferative ulcerative colitis
36	21.08.2019	Hog deer	M	Infighting - penetrating injury.
37	02.09.2019	Sambar Deer	F	Old age - cancer of the uterus and metastasis in organ.
38	03.09.2019	Common sand boa	F	Pneumonitis - water logging in enclosure.
39	09.09.2019	Rhea White	F	Traumatic injury due to jumping over the fence of enclosure.
40	10.09.2019	Pea Fowl	M	Traumatic injury to the head and neck
41	12.09.2019	Pea Fowl	M	Traumatic injury to the head and neck
42	18.09.2019	Hog deer	M	Infighting, complication of traumatic wound on the chest and flank
43	18.09.2019	Common Langur	M	Acute cardio pulmonary failure.
44	05.10.2019	Jungle Cat	M	Fracture of limb and spine (Rescued)
45	08.10.2019	Star Tortoise	M	Uraemia due to urinary calculi

46	12.10.2019	Star Tortoise	M	Uraemia due to urinary calculi
47	15.10.2019	Water Snake	M	Scale rot
48	18.10.2019	Swamp deer	M	Infighting
49	20.10.2019	Sun Conure	M	Traumatic injury to leg and profuse haemorrhage.
50	22.10.2019	Spotted Derr	F	Pneumonitis
51	25.10.2019	Swamp deer	M	Infighting - Traumatic injury to lungs and haemorrhage
52	27.10.2019	Lesser Whistling Teal	F	Traumatic injury to the wings
53	31.10.2019	Sambar Deer	F	Infighting - Traumatic injury to abdomen
54	04.11.2019	Anaconda (Ganga)	M	Entamoebiasis - necrotising haemorrhagic gastroenteritis
55	05.11.2019	Lesser Whistling Teal	M	Traumatic injury - hypoglycaemia
56	07.11.2019	Lesser Whistling Teal	F	Traumatic injury - hypoglycaemia
57	16.11.2019	Chukar partridge	F	Egg bound
58	16.11.2019	Viper	M	Septicaemia
59	21.11.2019	Anaconda (Arundhati)	M	Report yet to receive from CDO
60	21.11.2019	Red Sand boa	M	Septicaemia
61	25.11.2019	Hog deer	F	Traumatic shock
62	30.11.2019	Black Buck	F	Acute tympanitis
63	30.11.2019	Lion Tailed Macaque (Radha)	F	Myiasis
64	30.11.2019	Sambar Deer	F	Infighting - massive internal hemorrhage due to splenic rupture.
65	01.12.2019	Sambar Deer	M	Infighting - severe gore injury piercing the thorax and sweepage of mud into it.
66	07.12.2019	Chukar partridge	M	Infighting - concussion on the head
67	07.12.2019	Hog deer	F	Pneumonitis
68	08.12.2019	Lesser Whistling Teal	F	Predator Attack
69	13.12.2019	Red Sand boa	M	Caseous pneumonia
70	18.12.2019	Viper	M	Septicaemia

71	21.12.2019	White Ibis	M	Traumatic injury to head
72	27.12.2019	Anaconda	F	Septicaemia (Ramani)
73	28.12.2019	Grey Heron	M	Traumatic injury to head and drowning
74	28.12.2019	Common sand boa	F	Pneumonitis
75	01.01.2020	Startortoise	F	Haemorrhage
76	02.01.2020	Startortoise	M	Uraemia
77	04.01.2020	Sambardeer	M	Severe infighting - rupture of rumen
78	07.01.2020	Vulturine guineafowl	M	Oldage - Multiorgan failure
79	02.02.2020	Viper	F	Asphyxia - due to over feeding of prey
80	05.02.2020	Red Sandboa	M	Pulmonary TB
81	10.02.2020	Alexandrine parakeet	F	Predator attack - Mongoose
82	13.02.2020	Spotted deer	M	Traumatic injury to chest
83	29.02.2020	Spotted deer	F	Traumatic injury fractive complication
84	03.03.2020	Viper(rescued)	F	Tear wound on the thorax and big abscess in the mouth
85	06.03.2020	Common langur	F	Hepatomegaly, respiratory arrest
86	15.03.2020	Sambar deer	M	Infighting, traumatic injury to thorax
87	19.03.2020	White Ibis	M	Traumatic injury and fracture of beak
87	19.03.2020	White Ibis	M	Traumatic injury and fracture of beak
89	30.03.2020	Ostrich	M	Heart failure







Rain water harvesting may be a modern concept. The visionaries behind the establishment of Zoological Garden has foreseen this 150 years ago. The landscape of the Zoological Garden has been designed in such a way that the water from the entire compound is collected in an artificial lake made for the purpose. The lake has an area of 1294 Sqmts. Presently this lake is being used as a source of water for cleaning the enclosures, filling water in the moats of various enclosed as well as for gardening purposes. This lake is a habitat of a variety of species of fishes such as Mozambique tilapia, Grass carp, Catla, Rohu, Southern Platy fish etc. Over the years an ecosystem has developed round this lake. Now various species of aquatic birds including migratory and endemic can be spotted around this lake. Apart from this various species of Dragon flies, Damsel flies, Frogs, Toads, Grasshoppers, Snakes etc can also be found.

The lake is also a main source of drinking water for a variety of birds that often visit the compound. Oriental Darter, Little Cormorant, Intermediate Egret,

Little Egret, Indian Pond heron, Black Kite, Brahminy Kite, White-throated Kingfisher, White – breasted Water hen, Indian Cormorant, Little Cormorant, Black - crowned Night heron, Black headed ibis, Small blue Kingfisher, Stork billed Kingfisher, Asian Openbill are some frequent visitors of the lake.

The Department takes extra care to keep the quality of the water safe so that these animals are not harmed. This lake also act as the temperature regulator of the whole compound. The Department is planning to improve the quality of water i by using a number of Eco – technical tools such as constructing Artificial Floating Islands in order to achieve the best possible ecological state of the Lake System. The project aims to bring down the nutrient level of the lake to a lower level, minimize the input of bio – degradable dissolved and particular matter. It also aims at giving free entrance for the carnivorous and herbivorous animals living around the lake so that their participation is helpful in controlling the food web of life around this lake.





Butterfly Park



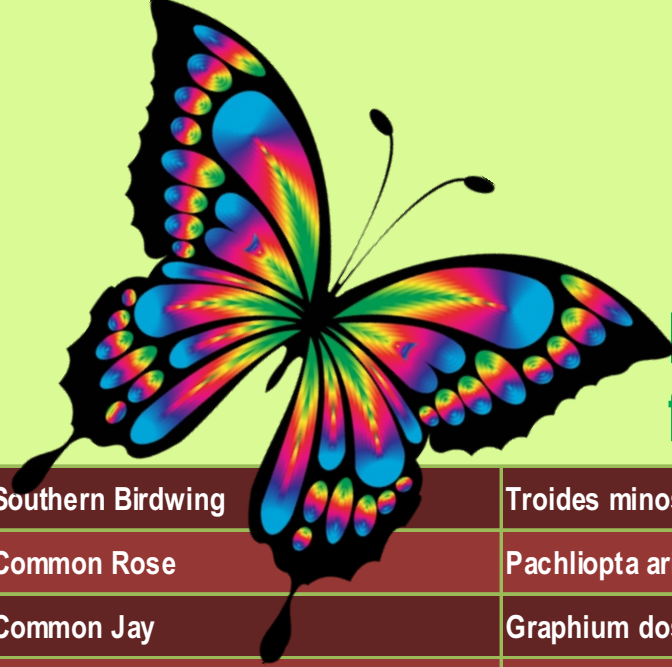
Butterflies are among the most beautiful organisms in the universe, which have fascinated naturalists for centuries. There are approximately 20,000 species of butterflies distributed throughout the world. Butterflies being highly diversified in their habits require specific ecological conditions for their survival. However, due to various reasons, particularly due to human intervention, the habitats of many butterflies have been altered. As a result, many species of butterflies that were once very common in our homesteads and country sides have vanished. It has been stated that extinction of a single species would eventually lead to extinction of about a dozen or more species that are linked with it.

Hence the Department has set up an insectarium and butterfly house to facilitate education of the public on the

significance of nature conservation. This was developed as an important tool in the field of nature education.

Host plants like Citrus, Albizia, Cassia, Cinnamom, Aristolochia, Milk weeds, Tylophora, Wattakakka Mussaenda etc has been planted. Nectar plants like Ixora, Lantana, Mussaenda, Marigold, Cuphea, Zinnia and Clerodendron favoured by butterflies has also been planted. Now large number of butterflies including endemic and endangered frequents the garden. Common Mime, Common Rose, Crimson Rose, Lime Butterfly, Blue Mormon, Southern Birdwing, Glassy Blue Tiger, Blue Tiger, Dark Blue Tiger, Emigrants Grass Yellows etc are frequently seen in the garden. As the butterfly population increased, a variety of organisms including Preying Mantis, Spiders, Lizards etc also colonised the area leading to a micro habitats and better functioning of ecosystem.





Butterflies found in the campus

1	Southern Birdwing	<i>Troides minos</i>
2	Common Rose	<i>Pachliopta aristolochiae</i>
3	Common Jay	<i>Graphium doson</i>
4	Tailed Jay	<i>Graphium agamemnon</i>
5	Common Mime	<i>Papilio clytia</i>
6	Common Mormon	<i>Papilio polytes</i>
7	Common Emigrant	<i>Catopsilia pomona</i>
8	Mottled Emigrant	<i>Catopsilia pyranthe</i>
9	Common Grass yellow	<i>Eurema hecabe</i>
10	Psyche	<i>Leptosia nina</i>
11	Chocolate Albatross	<i>Appias lycnida</i>
12	Common wanderer	<i>Pareronia valeria</i>
13	Common Five ring	<i>Ypthima baldus</i>
14	Common Four Ring	<i>Ypthima huebneri</i>
15	Common Evening Brown	<i>Melanitis leda</i>
16	Tailed Palm Fly	<i>Elymnias caudata</i>
17	Common Bush Brown	<i>Mycalesis perseus</i>
18	Nigger	<i>Orsotriaena medus</i>
19	Tawny Coster	<i>Acraea terpsicore</i>
20	Common Leopard	<i>Phalanta phalantha</i>
21	Rustic	<i>Cupha erymanthis</i>
22	Common Sailer	<i>Neptis hylas</i>
23	Chestnut streaked sailer	<i>Neptis jumbah</i>
24	Commander	<i>Moduza procris</i>
25	Grey Count	<i>Tanaecia lepidea</i>

26	Lemon Pansy	Junonia lemonias
27	Common Castor	Ariadne merione
28	Grey Pansy	Junonia atlites
29	Great Eggfly	Hypolimnas bolina
30	Blue Tiger	Tirumala limniace
31	Plain Tiger	Danaus chrysippus
32	Common Indian Crow	Euploea core
33	Tiny Grass Blue	Zizula hylax
34	Plains cupid	Luthrodes pandava
35	Common cerulean	Jamides celeno
36	Red Pierrot	Talicauda nyseus
37	Western Centaur Oakblue	Arhopala centaurus
38	Brown Awl	Badamia exclamationis
39	Water Snow Flat	Tagiades litigiosa
40	Chestnut Bob	Iambrix salsala
41	Grass Demon	Udaspes folus
42	Coon	Psolos fuligo
43	Giant Red Eye	Gangara thyrasis
44	Rice Swift	Borbo cinnara
45	Common Hedge Blue	Acytolepis puspa
46	Tamil yeoman	Cirrochroa thais
47	Danaid eggfly	Hypolimnas misippus
48	Common Albatross	Appias albina
49	Chocolate Pansy	Junonia iphita
50	Lime Butterfly	Papilio demoleus
51	Common Jezebel	Delias eucharis
52	Blue Bottle	Graphium sarpedon
53	Monkey Puzzle	Rathinda amor
54	Blue Mormon	Papilio polymnestor
55	White Four Ring	Ypthima ceylonica
56	Line Blue	Prosotas nora
57	Striped Tiger	Danaus genutia
58	Common Gull	Cepora nerissa
59	Crimson Rose	Pachliopta hector



Department of Museums and Zoos,
Museums and Zoo Compound,
Vikasbhavan PO, Vellayambalam,
Thiruvananthapuram - 695033
Kerala State.



0471-2316275 | 2318294
9447016828



.museumzoo@gmail.com
www.museumzandzoo.kerala.gov.in