## RAJKOT ZOOLOGICAL PARK







**ANNUAL REPORT 2019-20** 



## RAJKOT ZOOLOGICAL PARK

## RAJKOT MUNICIPAL CORPORATION





# Annual Report 2019-20

Prepared and Compiled by

**Mr. Ravi C. Chauhan**Biologist cum Education Officer

**Dr. R.K. Hirpara**Zoo Superintendent

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## **Zoo Superintendent's Desk**

Rajkot Zoological Park is one of the modern & naturalistic developing zoos of the country and it spreads over an area of 55.33 hectors. Zoo housed number of free living animal species. Old mini zoo known as Aji Dam zoo was set up in February 1992, where Asiatic Lion, Tiger, Leopard, Himalayan Black bear, Black Buck & Crocodile were housed in old fashion enclosures. Since old mini zoo at Aji dam suffered from many drawbacks and did not match the standards set



by the Central Zoo Authority, as a follow up of the recommendation of the CZA, the Municipal Corporation of Rajkot took decision and Standing Committee has passed a resolution to set up a new modern zoological park in an extensive area known as "Pradyuman Park" situated about 02 km away from Aji Dam zoo. This area was considered as an ideal site for developing a modern zoological park which is now known as "Rajkot Zoological Park". All the animals were shifted from Aji Dam mini zoo to Rajkot Zoological Park during December, 2009 & Zoo was opened for public on 14th August, 2010.

Improvement and development activities in any established institute has to be a regular feature. The expected results could be achieved only if contemplated activities are planned in advance, in a systematic way. In the year 2019-20 there had been many major activities planned and implemented.

I would like to express my sincere thanks to Dr. U.G.Patel, Veterinary officer, Sri Ravi C. Chauhan, Biologist cum Education Officer, Sri Bhargav P. Bhatt, Curator, Sri Manoj J. Gohel, Veterinary Asst., of Rajkot Zoological Park for preparation of Annual Report. I would like to convey my thanks to all staff of Rajkot Zoological Park who contributed for the development of Rajkot Zoological Park.

(**Dr R. K. Hirpara**) Zoo Superintendent Rajkot Zoological Park

(a) 000

## **History of the Zoo**

A dam built on river Aji on the outskirts of Rajkot city is a popular attraction for outing and picnic for the people of the city and the surrounding villages. The area adjoining the water reservoir was developed as a public park by the Municipal Corporation of Rajkot. In 1987, a deer enclosure was constructed in the area to provide attraction and subsequently a mini zoo known as Aji Dam, was set up as an adjunct to the public park in February, 1992, where Asiatic lion, Tiger, Leopard, Himalayan Black Bear, Black Buck & Crocodile were housed in old fashioned enclosures. Since Mini zoo suffers from many drawbacks and does not match standards set by CZA, its closure was recommended by CZA after its evaluation.

As a follow up of the recommendations of the Central Zoo Authority and sharing the aspirations of the people of Rajkot, the Municipal Corporation of Rajkot took decision and its Standing Committee, passed a resolution vide resolution no. 750 dated 04/02/1999 to set up a new modern zoological park in an extensive area known as "Pradyuman Park" situated about two kilometres away from the old Mini zoo. It was also decided that the animals from old mini zoo would be shifted to the proposed new zoo.



Rajkot Zoological Park with surroundings...

## **Establishment of Modern Zoological Park**

Pradyuman Park covers about 55.37 hectare area which is undulating with ridges and valleys, rocky outcrops and well drained, surround by two big lakes - Lalpari and Randarda. This area was considered as an ideal site for developing a modern zoological park to be known as "Rajkot Zoological Park"

The Rajkot Zoological Park, Rajkot was inaugurated by the Hon. Chief Minister of Gujarat State during that time Shri Narendrabhai Modi on 14th August 2010. He has been very keen about the Zoo and its importance for Conservation and Education.







Inauguration of Rajkot Zoological Park by Shri Narendra Modi, Hon. Chief Minister, Gujarat State

#### Physical features of the area

An area of 55.37 hectares known as Pradyumn Park located just on the outskirts of the city is hilly and picturesque piece of land surrounded by two big lakes viz., Lalpari Lake and Randarda Lake. The land form is undulating with gentle to steep slopes having concave and convex rocky formations providing natural drainage.

#### Geology, Rock & Soil

Geologically the land mass of present Saurashtra region was once under the sea and during some past geological upheaval, it emerged from the sea bed, having rocky hillocks and plains. The Pradyuman Park area is typical one such hillock with basaltic rocks underneath overlaid with ignite rocks as outcrops and cut up with shallow valleys filled with black cotton soil. It is an ideal site for a modern zoological park where animals can be exhibited in near natural habitats. The area provides enough space for animal enclosures, roads, pathways, shelters, lawns, tree groves and water features. There are exposed rocks and boulders strewn all over the site, which will be utilized for enriching and enhancing the exhibit value.

#### Flora and fauna in the Zoo premises

Zoo is enriched with various types of trees, shrubs and herbs. The natural vegetal cover is sparse and patchy, with bare open areas on rocky grounds and low height trees & shrubs in valleys. Therefore the total area of the zoo has been taken under tree plantation of local species. As a result of this special drive, presently entire area is covered with more than 40,000 trees, shrubs, herbs, creepers and climbers of local flora.

More than 100 free ranging species of birds, 6 species of mammals and 12 species of reptiles have been listed within the zoo premises.





### **Vision statement**

Instead of the age-old-exhibition and recreation values, zoos shoulder additional responsibility to act as nature conservation centres to further the cause of wildlife conservation. Zoos also have education value, where the visiting publics get an opportunity to learn about nature, natural history, eco-systems, wildlife and their conservation issues to get sensitized to become nature lovers, leading to become conservationist. Zoos are nature's laboratories, offering ample opportunities to carry out research on animal health, nutrition, food, diseases, anatomy, physiology, inter and intra spp. behaviour, breeding biology and to make base line data pool of healthy spp. for clinical treatment of wild animals.

#### **Mission statement**

## "Inspiring Love & Empathy for Wildlife amongst Public and Awareness for Nature Conservation"



**Aquarium Entrance Garden** 

## **Objectives**

- 1. The main objective of the zoo shall be to complement and strengthen the National efforts in conservation of the rich biodiversity of the country, particularly the local wild fauna.
- 2. To support the conservation of endangered species through coordinated Breeding under ex-situ conditions and raise stocks for rehabilitating them in wild as and when it is appropriate and desirable.
- 3. 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.
- 4. To provide opportunities for scientific studies useful for conservation in general and creation of data base for sharing between the agencies involved in in-situ and ex-situ conservation.
- 5. Besides the aforesaid objectives, the zoos will function as rescue center for Orphaned wild animals, subject to the availability of appropriate housing and upkeep infrastructure.



Citi View Point Landscape Garden

## About us

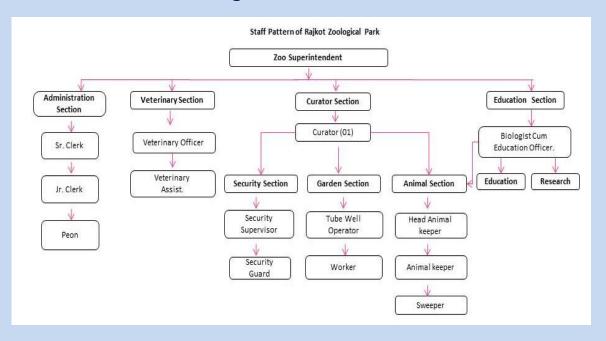
Sr. No.	Particulars	Information
Basic In	formation about the Zoo	
1	Name of the Zoo	RAJKOT ZOOLOGICAL PARK
2	Year of Establishment	14 <sup>TH</sup> AUGUST 2010
3	Address of the Zoo	RAJKOT ZOOLOGICAL PARK,
		B/H OLD MARKETING YARD,
		BHICHARI ROAD,
		RAJKOT -360003
		GUJARAT – INDIA
4	State	GUJARAT
5	Telephone Number	+91 9723200145
6	Fax Number	0281 – 2224258
7	E-mail address	rajkotzoo@yahoo.com
8	Website	UNDER PROGRESS
9	Distance from nearest	Airport: 10 KM
		Railway Station: 06 KM
		Bus Stand: 06 KM
10	Recognition Valid upto (Date)	27 <sup>th</sup> September, 2020
11	Category of zoo	Medium
12	Area (in Hectares)	55.37 HECTARES
13	Number of Visitors (Financial Year)	Adult : 5,15,041
	2019-20	Children: 1,11,102
		Student group: 33,076
		Student groups on Thursday: 1,366
		Senior citizen: 1,893
		Total Visitors: 6,62,478

Sr. No.	Particulars	Information
14	Visitors' Facilities Available in Zoo	Interpretation Centre, Battery Operated Vehicle, CNG open Gypsy Car, Bicycles, Wheel Chair, Prams, Kiosks, Drinking water points, Rest huts, Toilets, Kinder Garden, Garden Etc.
15	Weekly Closure Day of the Zoo	FRIDAY
Manage	ement Personnel of the zoo	
16	Name with designation of the Officer in-	Dr. R.K.Hirpara,
	charge	Zoo Superintendent
	Name of the Veterinary Officer	Dr. Upendra G. Patel
	Name of the Curator	Mr. Bhargav P. Bhatt
	Name of the Biologist cum Education Officer	Mr. Ravi C. Chauhan
	Name of the Veterinary Assistant	Mr. Manoj J. Gohel
Owner ,	Operator of the Zoo	
17	*Name of the Operator	RAJKOT MUNICIPAL CORPORATION
18	Address of the Operator	Rajkot Zoological Park,
		Behind Old Marketing Yard, Rajkot
19	Contact details/Phone number of Operator	Mo. 9978911245
20	E-mail address of Operator	rajkotzoo@yahoo.com



Parrot Aviary Landscape Garden

## **Organizational Chart**



### **Human Resources**

## **Manpower of the Zoo**

Sr. No.	Name of Post	Post	Post
		Sanctioned	filled up
1	Zoo Superintendent	1	1
2	Veterinary Officer	1	1
3	Curator	1	1
4	Biologist cum Education Officer	1	1
5	Senior Clerk	1	1
6	Junior Clerk	1	1
7	Peon	2	1
8	Veterinary Assistant	1	1
9	Head Animal Keeper	1	1
10	Animal Keeper	18	18
	Total	28	27

## **Out Sourced Manpower of the Zoo**

Sr. No.	Name of Post	Post
		filled up
1	Ticket Operator	03
2	Driver	08
3	Maintenance Labor	15
4	Sweeper	06
4	Pump Operator	01
5	Security	36
	Total	69

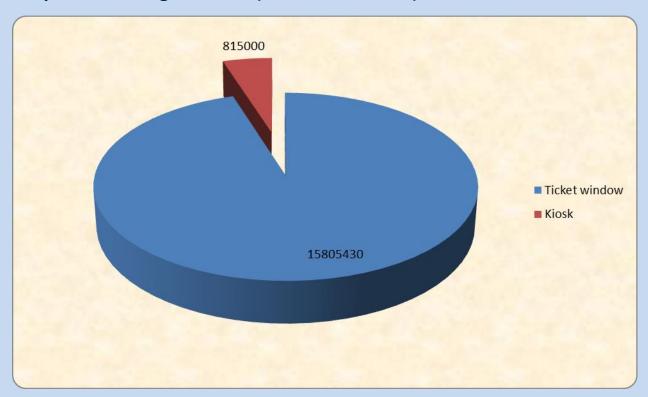
## **Statement of Income and Expenditure Details:**

Rajkot zoological Park being one of the Developing zoos of the country and having naturalistic location is making RZP more attractive to the visitors. In the year 2019-20 Zoo had been visited by 6,62,478 visitors and with that total Rs. 1,58,05,430 income was generated. Apart from that Zoo also generate some income from kiosks inside the zoo which is Rs. 8.15 lakh in the year 2019-20. Total of Rs. 1,66,20,430 was generated during this year.

Table: Year 2019 – 20 revenue generated

Sr. No.	Particulars	Income in Rs.
1	Ticket window	1,58,05,430
2	Kiosk	8,15,000
	Total	1,66,20,430

**Graph: Revenue generated (in Rs.1,66,20,430)** 

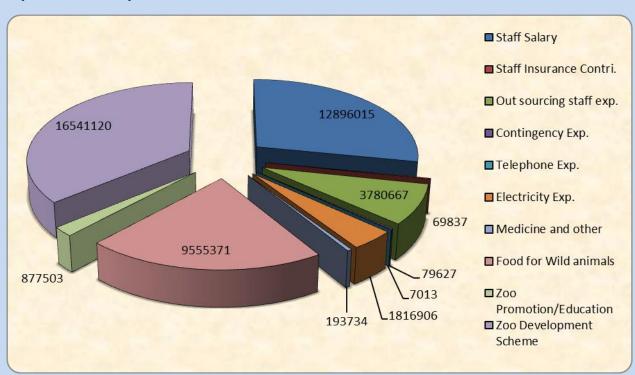


## **Expenditure 2019-20**

**Table: Annual Expenditure Details** 

Sr. No.	Particulars	Expenditure in Rs.
1	Staff Salary	1,28,96,015.00
2	Staff Insurance Contri.	69,837.00
3	Out sourcing staff exp.	37,80,667.00
4	Contingency Exp.	79,627.00
5	Telephone Exp.	7,013.00
6	Electricity Exp.	18,16,906.00
7	Medicine and other	1,93,734.00
8	Food for Wild animals	95,55,371.00
9	Zoo Promotion/Education	8,77,503.00
10	Zoo Development Scheme	1,65,41,120.00
	Total Expenditure	4,58,17,793.00

## **Graph: Annual Expenditure:**

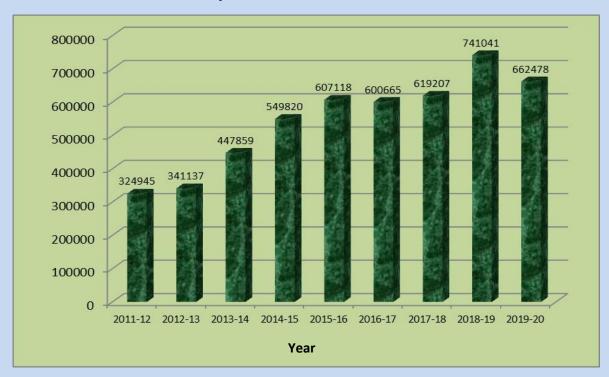


### **Visitation**

Rajkot Zoological Park has been gradually developing and increasing its popularity among visitors and students in all over Gujarat and India with its natural landscaping and naturalistic immersing exhibits for animals and birds.

In the year 2019-20 (6,62,478) visitors has experienced the zoo visit at Rajkot Zoological park.

### **Visitor's information last Nine years**







**Visitors during festivals** 

## Daily feed and Schedule of animals

Sr.	Species	Feed item	Quantity		Day of
No.		kg/animal	Winter	Summer	fasting
1	Lion	Beef	6-8	4-6	Friday
2	Tiger	Beef	6-8	4-6	Friday
3	Leopard	Beef	3-4	2-3	Friday
4	Wolf	Beef	2-3	2-3	Friday
5	Jackal	Beef	2	2	Friday
6	Mugger	Beef	2 kg/week	2 kg every 2	
				days	
7	Gharial	Fish	1.0 kg every	1.5 kg Daily	
			2 days		

Sr.	Species	Quantity (kg/animal/day)				Day of
No.		Winter		Summer		fasting
		Green Fodder	Con.	Green	Con.	
			Pellets	Fodder	Pellets	
1	Sambar	15	0.750	12	0.75	
2	Blackbuck	06	0.500	05	0.500	
3	Chinkara	04	0.200	03	0.200	
4	Hog deer	06	0.500	05	0.500	
5	Spotted deer	06	0.500	05	0.500	

Sr. No.	Species	Quantity and Item According to Season (01 animal/day)					
		Mix fruits/	Vegeta bles	Milk with rise and eggs	Mix Grain Roti	Honey	
1	Himalayan Bear	1.50 kg		1.5 lit, 400gm, 1 egg	3 Nos.	50 gm	
2	Sloth Bear	1.50 kg		1.5 lit, 400gm, 1 egg	3 Nos.	50 gm	
3	Primates	0.5 kg	0.25 kg		1 Nos.		
4	Small Mammals	0.25 kg	0.25	1 egg			
5	Birds	0.20 kg	0.2 kg	1 egg	0.1 kg mix grain		

## **Vaccination and Deworming:**

Annual Vaccination and deworming had been conducted as per schedule for every year. In the year 2019-20 all animals and birds had been dewormed every three months using different deworming drug every time for protection against endo and ecto parasites.

### **Vaccination Schedule of animals**

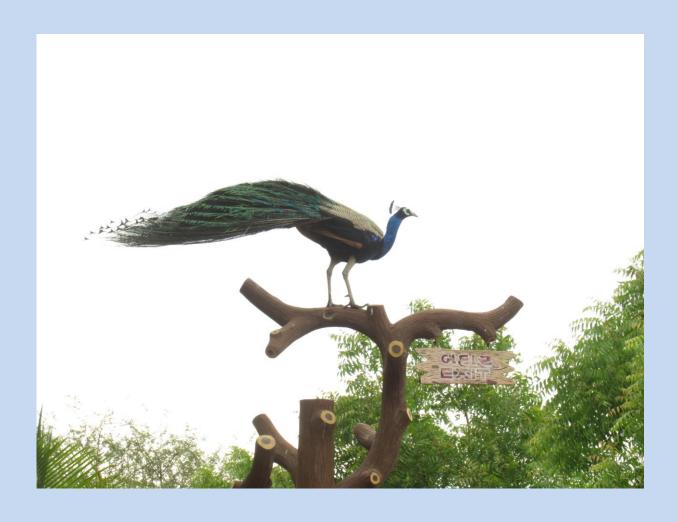
SI.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	All Felines	Rabies, Calci virus, Herpis virus, Feline panleucopania	Biofel PCHR/ Feligen CRP	Every Year	
2	All Canines	Parvo virus, Rabies, CD, Herpis Virus, Adeno Virus, Para influenza	Canine DHPPi and Anti Rabies	Every Year	

## **De-worming Schedule of animals**

Sr. No.	Species	Drug used	Month
1	Felines	Tab. Eazypet, Bol. Albomar, Bol.	Each Drug every
		Panacur, Tab. Neomac	Three Months
2	Canines	Tab. Eazypet, Bol. Albomar, Bol.	Each Drug every
		Panacur, Tab. Neomac	Three Months
3	Deer Species	Liq. Nilzan, Bol. Albomar, Bol.	Each Drug every
		Panacur, Bol. Hitek	Three Months
4	Primates	Tab. Eazypet, Liq. Albomar, , Tab.	Each Drug every
		Panacur, Liq. Hitek	Three Months
5	Bears	Tab. Eazypet, Bol. Albomar, Bol.	Each Drug every
		Panacur, Tab. Neomac	Three Months
6	Birds	Liq. Albandazol, Liq Panacur, Liq.	Each Drug every
		Hitek,	Three Months
7	Reptiles	Tab. Eazypet, Bol. Albomar, Bol	Each Drug every
		Panacur,	Three Months

## **Disinfection Schedule**

Sr. No.	Species	Type of enclosure	Disinfectant used	Frequency of
			and method	disinfection
1	Carnivores	Night Shelter and	Liquid Kohrsoline	Every Friday
	species	surroundings		
2	Bear	Night Shelter and	Liquid Kohrsoline	Every Friday
	Species	Surroundings		
3	Primate	Night Shelter and	Liquid Kohrsoline	Every Friday
		Surroundings		
4	Birds	Parrot Aviary, Pheasantry	Liquid Kohrsoline	Every Fortnight
		and surroundings		



## **Development Works carried out in the zoo during the year**

## • Exhibit and Other Work completed (2019-20):

Sr. No.	Development Work
1.	Hamadryas Baboon Exhibit completed
2.	Widening of road ticket window to bird section completed
3.	Further enhancement of Fruit Garden developed behind Aquarium
4.	Renovation of Ticket Window completed
5.	Fixing of Concertina Coil on Perimeter Wall of the Zoo



**Hamdryas Baboon Exhibit** 



**Concertina Coil on Rajkot Zoological Park Perimeter Wall** 





**Fruit Garden** 

## Visitors' facility Created (2019-20):

Sr. No.	Development Work
1.	Interpretation Centre Enrichment Work Completed
2.	Natural Life Size Artistic Wildlife Circle created near ticket window
3.	Two 15 Seated Battery Operated Vehicles purchased
4.	Constructed 02 Directional Zoo Layout Map for Visitors



Life Size Artistic Wildlife Circle near Ticket Window





**15 Seat Battery Cars for Visitors** 

## **Zoo Interpretation Centre**

Rajkot Zoological Park has created state of the art Zoo Interpretation Centre for visitors and students. This Interpretation Centre provides much necessary and important information about Zoos, Wildlife and their habitats and ecosystem with life size models of more than 150 animals and birds. There are Six Wildlife Galleries i.e. 1. About Zoo Gallery, 2. Gir Ecocystem Gallery, 3. Reptiles Gallery, 4. Birds Gallery, 5. Mammals Gallery, 6. Kachchha Ecosystem Gallery.

All this galleries provides many interactive information, light and sound show, touch and play panels, documentary and many other useful facts about Indian Wildlife.



Zoo Interpretation Centre at Rajkot Zoological





**Zoo Gallery** 





Gir Gallery





**Reptiles Gallery** 









**Mammals Gallery** 









Kachchha Gallery

## **Education and Awareness programmes during the year**

## **Nature Education Camp:**

Zoo organizes One Day Nature Education Camp for students of various schools and colleges throughout the year. It helps to create awareness about wildlife and to understand the Zoo management among the children. About 50 -70 students and their teachers are allowed in each camp. Volunteers plays major role here and they also learn many things. Tracking in and around zoo with detailed explanation about the animals, their habitat, diet and interesting factors. The curriculum includes lectures, field visit, wildlife film show, Expert talk, keepers' talk, bird watching and learning tips, quiz competition, painting, assay competition, tea and snacks etc.



Nature Education Camp for school & college Students

In the Year 2019-20, total 14 Nature Education Camp had been conducted. 667 students and 39 teacher total of 706 individuals have attended the camps.



Zoo visit for Camp Students



Games for Camp students



Interactive talk with Students



Nature Camp for College students - interesting interaction

## **Wildlife Week Celebration:**

"Wildlife Week - 2019" is being celebrated at the Zoo from 2<sup>nd</sup> to 8<sup>th</sup> October 2019.



**Drawing Competition** 







Wildlife Photography Competition





School visits during Wildlife Week









Swachchata Abhiyan in surroundings of Zoo



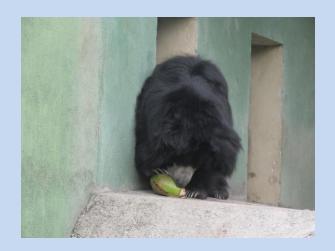




Prize Distribution for Competition Winners

Different competition and visits for students were organized during Wildlife Week 2019. Students come close to nature and learn some basics about importance of nature and wildlife conservation along with co-existence of Human and Nature.

## **Enrichment for Animals**













**Enrichment and Tools for Animals** 

### Research:

Being one of the Prime Objective of Zoo, Research plays important role in Zoo Management. This can help in improvisation and understanding of animals need in captivity.

Rajkot Zoological Park had conducted Three T.Y.B.Sc. Zoology research projects during the year 2019-20. These projects are in view of the better management of animals and enriching their lives in captivity.

#### T.Y.B.Sc. Zoology Research projects 2019-20

- A. "Behaviour and Enrichment study of Himalayan Black Bear (*Ursus thibetanus*) in captivity at Rajkot Zoological Park, Rajkot"
- B. "Behaviour and Enrichment Study of White Peafowl (*Pavo Cristatus*) in captivity at Rajkot Zoological Park, Rajkot"
- C. "Behaviour and Enrichment study of Rhesus Macaque (*Macaca mulata*) in captivity at Rajkot Zoological Park, Rajkot"





**Tool preparation and enrichment** 

## **Conservation Breeding Programme of the Zoo**

Rajkot zoo is selected as a participating zoo for planned coordinated conservation breeding program of Asiatic lion and has succeed in breeding this spp. At Rajkot zoo total 49 Asiatic lion cubs born Till 2020. Thus there is good pool of knowledge and experience of breeding of Asiatic Lion which will be continued as part of zoo under development. For this facility existing old mini zoo at Aji Dam has been maintained as breeding centre for Asiatic Lion.



**Asiatic Lion Cubs at Asiatic Lion Conservation Breeding Centre** 

## **Animal Exchange 2019-20**

## **Animal acquisition 2019-20**

Sr. No.	Species	(M:F)	From which Zoo	Date of arrival in the zoo
1.	Hamadryas Baboon	0:1	Chhatbir Zoo, Punjab	08/11/2019
2.	Himalayan Black Bear	0:1	Chhatbir Zoo, Punjab	08/11/2019
3.	Jungle Cat	1:1	Chhatbir Zoo, Punjab	08/11/2019

## **Animal Disposal 2019-20**

Sr. No.	Species	(M:F)	Sent To	Date of arrival in the zoo
1.	Asiatic Lion	1:1	Chhatbir Zoo, Punjab	17/08/2019
2.	White Tiger	0:1	Chhatbir Zoo, Punjab	17/08/2019



**Chhatbir Zoo and Rajkot Zoo Animal Exchange** 

## Annual Inventory 2019-20 (Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972)

Sr. No.	Animal Name	Scientific Name	Opening Stock As on 01-04-2019				Births			Acq	uisti	ons	Dis	sposa	als	D	eath	ıs	Closing Stock As on 31-03-2020			
			M	F	U	Т	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Т
MAMMALS																						
1	LION INDIAN	Panthera leo persica	5	13	0	18	0	1	0	0	0	0	1	1	0	0	1	0	4	12	0	16
2	TIGER BENGAL	Panthera tigris tigris	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3	TIGER BENGAL (WHITE)	Panthera tigris tigris	1	5	0	6	2	2	0	0	0	0	0	1	0	0	0	0	3	6	0	9
4	LEOPARD	Panthera pardus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5	INDIAN GERY WOLF	Canis lupus pallipes	1	1	0	2	0	0	3	0	0	0	0	0	0	0	0	0	1	1	3	5
6	JUNGLE CAT	Felis chaus	2	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	3	1	0	4
7	JACKAL	Canis aureus	3	8	0	11	0	0	0	0	0	0	0	0	0	0	0	0	3	8	0	11
8	INDIAN FOX	Vulpes bengalesis	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	HIMALAYAN BLACK	Selenarctos																				
9	BEAR	Thibetanus	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	2
10	SLOTH BEAR	Ursus urnisus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
11	CHHINKARA	Gazella bennetti	3	3	0	6	2	1	0	0	0	0	0	0	0	2	1	0	3	3	0	6
12	BLACK BUCK **	Antelope cervicapra	11	11	8	30	1	4	1	0	0	0	0	0	0	0	1	0	14	18	3	35
13	BLACK BUCK (ALBINO)	Antelope cervicapra	2	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	4
Total MAMMALS			31	46	9	86	5	8	4	1	2	0	1	2	0	2	3	0	36	55	7	98
REPTILES	MARSH CROCODILE**	Crocodylus palustris	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
2	GHARIAL	Gavialis gangeticus	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
3	COBRA INDIAN	Naja naja	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
4	INDIAN ROCK PYTHON	Python molurus	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
Total REPTILES		r yenen meiaras	6	5	1	12	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	12
PRIMATES	COMMON LANGUR	Presbytis entellus	2	2	0	4	0	0	0	1	0	0	1	0	0	0	0	0	2	2	0	4
2	RHESSU MACAQUE	Macaca mulatta	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5
3	BONNET MACAQUE	Macaca radiata	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Total	DOMNET MACAQUE	Macaca Fautata		1						U			U			U				1		
PRIMATES			6	6	0	12	0	0	0	1	0	0	1	0	0	0	0	0	6	6	0	12
BIRDS 1	KALIJ PHEASENT	Lophura leucomelanos	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
<u>2</u>	WHITE PEhite peafowl	Pavo cristatus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Birds			2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
TOTAL ANIMALS			45	59	10	114	5	8	4	2	2	0	2	2	0	2	3	0	50	69	7	126

## Other than Endangered Species

Sr. No.	Animal Name	Scientific Name		Opening Stock As on 01-04-2019			Births			Acq	uisti	ons	Dis	sposa	als	D	eath	S	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
<u>MAMMALS</u>																						
1	Spotted Deer	Axis axis	7	7	2	16	0	0	2	0	0	0	0	0	0	2	1	0	5	6	4	15
2	Samber	Cervis unicolor	8	10	0	18	0	1	1	0	0	0	0	0	0	1	0	0	7	11	1	19
3	Hog Deer	Axis porcinus	8	7	3	18	1	0	2	0	0	0	0	0	0	2	0	0	7	7	5	19
4	Stripped hyena	hyaena hyaena	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
5	Palm Civet cat	paradoxurus hermaphroditus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
6	Indian Porcupine	hystrix indica	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4
Total MAMMALS			27	28	7	62	1	1	5	0	0	0	0	0	0	5	1	0	23	28	12	63
REPTILES																						
1	Star Tortoise	Geochelone elegans	2	3	5	10	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	10
2	sand boa common	Gongylophis conicus	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
3	Snake keelback		2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
Total REPTILES			4	5	7	16	0	0	0	0	0	0	0	0	0	0	0	0	4	5	7	16
PRIMATES 1	Hamadryas baboon	Papio hamadryas	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
Total PRIMATES			0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1
TOTAL ANIMALS			31	33	14	78	1	2	5	0	1	0	0	0	0	5	1	0	27	34	19	80







Sr. No.	Animal Name	Scientific Name			ng Sto l-04-2		В	irths	5	Acq	uisti	ons	Dis	sposa	als	D	eath	ıs			ng Stoc 1-03-2	
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
<u>BIRDS</u>																						
1	Great White Pelican	Pelecanus onnocrotalus	4	8	0	12	0	0	0	0	0	0	0	0	0	0	0	0	4	8	0	12
2	Dalmation Pelican	Pelecanus crispus	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
3	Golden Pheasent	Chrysolophus pictus	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Silver Pheasent	Lophura nycthemera	2	2	0	4	0	0	2	0	0	0	0	0	0	0	0	0	2	2	2	6
5	Ring neck Phesant	Phasianus colchicus	1	1	1	3	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1
6	Lady Amherst Pheasent	Chrosolophus amherstiae	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
7	Spot Billed Duck	Anas poecilornyncha	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5
8	Emu	Dromaius Novaehollandiae	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
9	Cocktiel	Nymphicus hollandicus	15	15	16	46	0	0	1	0	0	0	0	0	0	0	0	0	15	15	17	47
10	Budgerigar	Melopsittacus undulatus	0	0	60	60	0	0	4	0	0	0	0	0	0	0	0	0	0	0	64	64
11	Indian Horned owl	Bubo bengalensis	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
12	Osrich	Struthio camalus	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
13	Red jungle fowl	Gallus gallus	2	2	3	7	0	0	2	0	0	0	0	0	0	0	0	0	2	5	2	9
14	Parakeet Alexandrine	Psittacula eupatria	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8
15	Parakeet Rose ring	Psittacula krameri	4	4	1	9	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	9
16	Ibis White	Threskiornis melanocephalus	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8
17	Heron night	Nycticorax nycticorax	5	5	3	13	0	0	0	0	0	0	0	0	0	0	0	0	5	5	3	13
18	Cormorante Little	Microcarbo niger	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6
19	Comb duck	Sarkidiornis melanotos	5	5	0	10	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	10
20	African grey Parrot	Psittacus erithacus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
21	Cannure	Psittaciformes	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
22	Finch	Fringillidae	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	0	5	5	0	10
TOTAL ANIMALS			57	66	85	208	0	0	9	5	5	0	0	0	0	1	1	0	62	73	90	225

# Birth at Rajkot Zoological Park 2019-20

SR. NO.	SPECIES NAME	SCIENTIFIC NAME	SEX	DATE OF BIRTH
Mammal	<u>s</u>			
1	WHITE TIGER	Panthera tigris tigris	2:2	01/04/2019
2	BLACKBUCK	Antelope cervicapra	0:1	05/04/2019
3	CHHINKARA	Gazella gazelle bennettii	0:1	06/04/2019
4	BLACKBUCK	Antelope cervicapra	1:0	02/05/2019
5	ASIATIC LION	Panthera leo persica	0:1	19/05/2019
6	SPOTTED DEER	Axis axis	0:0:1	21/06/2019
7	HOG DEER	Axis porcinus	0:0:1	07/07/2019
8	BLACKBUCK	Antelope cervicapra	0:1	15/08/2019
9	CHHINKARA	Gazella gazelle bennettii	1:0	16/09/2019
10	CHHINKARA	Gazella gazelle bennettii	1:0	09/11/2019
11	BLACKBUCK	Antelope cervicapra	0:1	02/12/2019
12	HOG DEER	Axis porcinus	0:0:1	17/12/2019
13	INDIAN WOLF	Canis lupus palipus	3:0	15/01/2020
14	SPOTTED DEER	Axis axis	0:0:1	16/01/2020
15	HOG DEER	Axis porcinus	1:0	24/01/2020
16	SAMBER DEER	Cervus unicolor	0:1	07/02/2020
17	BLACKBUCK	Antelope cervicapra	0:0:1	12/02/2020
<u>Birds</u>				
1	RED JUNGLE FOWL	Phasianus colchicus	0:0:1	07/05/2019
2	RED JUNGLE FOWL	Phasianus colchicus	0:0:1	12/05/2019
3	BUDGERIGAR	Melopsittacus undulatus	0:0:1	08/07/2019
4	BUDGERIGAR	Melopsittacus undulatus	0:0:1	07/08/2019
5	COCKATEIL	Nymphicus hollandicus	0:0:1	06/09/2019
6	BUDGERIGAR	Melopsittacus undulatus	0:0:1	08/09/2019
7	BUDGERIGAR	Melopsittacus undulatus	0:0:1	05/10/2019
8	SILVER PHEASANT	Lophura nycthemera	0:0:1	29/03/2020
9	SILVER PHEASANT	Lophura nycthemera	0:0:1	30/03/2020

## Death at Rajkot Zoological Park 2019-20

SR. NO.	ANIMAL NAME (With individual identification mark, if any)	SCIENTIFIC NAME	SEX	DATE OF DEATH	CAUSE OF DEATH	
Mam	<u>mals</u>					
1	HOG DEER	Axis porcinus	male	15/04/2019	Died due to Infight	
2	LION INDIAN CUB	LION INDIAN CUB Panthera leo persica		22/05/2019	died due to Severe injuries caused by mother	
3	BLACK BUCK	Antelope cervicapra	Female	16/07/2019	Died due to Infight	
4	CHHINKARA	Gazella bennetti	Female	20/08/2019	broncho pneumonia	
5	SPOTTED DEER	ER Axis axis		21/09/2019	Natural death due to old age	
6	SPOTTED DEER	Axis axis	Female	01/10/2019	Might be died due to Snake bite	
7	SPOTTED DEER	Axis axis	Male	03/11/2019	Natural death due to old age	
8	CHHINKARA	Gazella bennetti	Male	11/11/2019	Shock & respiratory failure	
9	SAMBER	Cervis unicolor	Male	19/12/2019	Natural death due to old age	
10	CHHINKARA	Gazella bennetti	Male	26/12/2019	Cardiac failure	
11	HOG DEER	Axis porcinus	male	16/02/2019	Killed by Leopard	
Bird	<u>s</u>					
1	RING NECK PHEASENT	Phasianus colchicus	Female	07/04/2019	Respiratory Failure	
2	RING NECK PHEASENT	Phasianus colchicus	Male	09/09/2019	broncho pneumonia	

### **Important Events at Rajkot Zoological Park**

#### First Ever Birth of Indian Wolf at Rajkot Zoological Park

Rajkot Zoological Park has one pair of Indian Wolf (Canis lupus palipus). They have created natural den in their exhibit only. In the mid February 03 pups were observed inside the den. All are healthy and both male and female taking proper care of pups. Mother observed to be remaining inside the den most of the time and only came out during night. Wolf pups were also observed during night through CCTV camera placed in exhibit area and also in night shelter.



Wolf Exhibit with natural Den



**Wolf Pups** 

#### Second Successive Birth of 04 (Four) White Tiger Cubs at Rajkot Zoological Park

The very first day on 1<sup>st</sup> April 2019 Rajkot Zoological Park received birth of Four White Tiger Cubs, the second successive birth of 04 cubs by White Tigress "Gayatri". Earlier this female has given birth to four White Tiger cubs in the year 2015 and again this year on 01<sup>st</sup> April 2019, Tigress gave birth to four healthy cubs and taken a proper care by herself only. On this 01 April 2020 they became one year old and all are healthy, active and playfull.







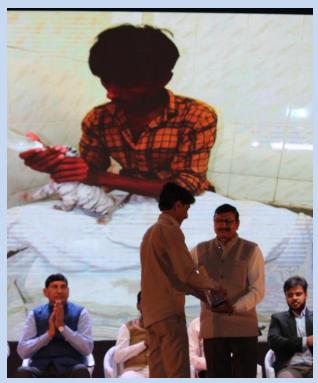
#### **The Unsung Heroes**

Rajkot Municipal Corporation, Rajkot appreciating the workers who work behind the scene, yet playing a significant role in society. They work continuously, tirelessly and showing dedication towards their work. These Employees were recognized with the title "THE UNSUNG HEROES" by Rajkot Municipal Corporation.

Two of our Rajkot Zoological Park's Animal Keepers were also recognized as "THE UNSUNG HEROES" for their contribution in animal healthcare, hygiene, breeding, daily care and their commitment towards their work.

- 1. **Mr. Purushottam L. Mavadiya, Animal Keeper**, who served the Rajkot Zoo from the very first and the most senior animal keeper among all. He has experience of working in zoo for more than 30 years and currently looking after the entire Bird Section of Rajkot Zoo. He has worked with many species at Rajkot Zoo.
- 2. **Mr. Sohil H. Chuvan, Animal Keeper**, who has been working at Asiatic Lion Conservation Breeding Centre since long and having expertize in handling carnivore animals specially handling of breeding animals and rearing cubs also.





**The Unsung Heroes** 

# Rajkot Zoological Park, Rajkot and Christ College, Rajkot MoU for Nature Education and Awareness Activities

On the day of International Tiger Day, Rajkot Zoo and Christ College had organized Nature Education Camp and interactive session on Current challenges in Tiger Conservation with students of Christ College. All the students have actively participated in event where they have experienced near natural environment and discussion about Tiger Conservation in India.





**International Tiger Day** 

## **Plantation Program to create an Urban Forest**

Rajkot Zoological Park, Rajkot Municipal Corporation along with Forest department taken up the task to develop an Urban Forest near to the Rajkot City. Many institutes, NGOs, Industries and individuals have participated in this event. More than 2000 trees planted in a single day.





### **Development of Green Parks in Urban areas**

Being one of the largest Green Park of Rajkot City, Zoo Superintendent, Rajkot Zoological Park had delivered a talk and presentation about importance of Green parks in Urban areas to the key personals of Rajkot and nearby cities, who works for developing more green areas in the city and surroundings. Talk also includes importance of Zoo Management along with Green parks where Proper Planned Tree Plantation should be done.





# Shri Acharya Devvrat, Hon. Governor of Gujarat State visited Rajkot Zoological Park

On 22<sup>nd</sup> December 2019 Shri Acharya Devvrat, Hon. Governor of Gujarat State Visited the Rajkot Zoological Park and appreciated Rajkot zoo's effort for wildlife conservation and zoo management.





# Central Zoo Authority has approved the Master Plan of Rajkot Zoological Park, Rajkot.



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



## Rajkot Zoological Park (Rajkot Municipal Corporation)



RMC/EZ/ZOO/VET/NO. 49

Regi. Ad E-mail Dt. 13/04/2018

To.

The Member Secretary
Central Zoo Authority,
B-1 Wing, 6<sup>th</sup> floor,
Paryavaranbhawan, CGO complex,
Lodhi Road, New Delhi – 110003

Sub: Renewal of recognition to the Rajkot Zoological Park, Rajkot, Gujarat beyond 31.07.2016 under section 38H(1) of the wildlife (Protection) act,1972 – reg.

Ref: Your office letter F. No. 19-48/92-CZA(75)(Vol.VII)PKR)/1857, dated 27.10.2017

Respected Sir,

With reference to subject& reference cited above, Rajkot Zoological Park herewithsubmitting thehalf yearly report regarding progress made in implementation of the below conditions for your kind perusal.

S. no.	Norm no.	Condition stipulated	Remarks
1.Gene	ral requir	ement	
1.	1(2)	The Zoo should not plant any ornamental plant species inside the animal exhibits. The crotons planted inside the porcupine exhibit should be phased out.	Condition Complied
2.	1(3)	The keeper and security staff of the zoo were seen parking their two wheelers on the visitors' pathway inside the zoo at several places which should be stopped. Rather the vehicle should be parked in the designated off exhibit area.	Condition Complied
2. Deve	lopment	and planning	*
3.	3(8)	The zoo has been receiving the rescued animals like Rhesus macaques and Jackal and the same are being housed in exhibit while the zoo already has exhibit for such species. Prior approval for all such animals should have got obtained from CWLW of the State and CZA	Condition Complied
4. Anim	al housin	g, display of animals and animal enclosures	
4.	4(1)	<ul> <li>✓ Rhesus macaque exhibit: The viewing area to visitors to be reduced to 25% of the total exhibit area.</li> <li>✓ Common Langur exhibit: the variety of hedge provided as stand-off barrier is of ornamental</li> </ul>	<ul><li>✓ Condition Complied</li><li>✓ Condition Complied</li></ul>

 $\hbox{D:\2018-19\April-18\Evaluation letter CZA\Reply letter evaluation 2017 Dt. 13.04.2018.docx}$ 

"Rajkot Zoological Park" Near Marketing yard, Rajkot – 360 003. (Gujarat),
Ph.: +9199789 11245, Fax: 0281-2224258, Email- rajkotzoo@yahoo.com, URL: www.rajkotzoo.com

		in nature, may be replaced with native species.  ✓ Wolf: Den to be made naturalistic, visual barrier to stop viewing of animal house  ✓ Jackal & Fox: Animal houses to be camouflaged  ✓ Crocodile: Sand to be provided for basking  ✓ The drip irrigation pipeline provided in each enclosure should be hidden. In most exhibits	✓ Condition Complied, Hedges planted to stop viewing of animal houses ✓ Under progress ✓ Condition Complied ✓ Condition complied
E University		they were seen hanging and should be placed in such a manner that animals housed therein should not be able to interact and consume.  The Reptile house should have adequate ventilation ad provision for sun light.  The Bird exhibit provided with glass for viewing has reflection of the visitors. It should be addressed.	<ul><li>✓ Condition Complied</li><li>✓ Condition Complied</li></ul>
5. Upke		ealthcare of animals	
5.	5(6)	Keepers to be posted at Reptile House should be provided with adequate training by sending them to other zoos which have reptiles in their collection.	Condition Complied
6.	5(10)	The records of observations of biological and social behaviour and health status of the animals including feed intake, medication and treatment provided in the keepers' diary, Daily reports, Animal history cards and Treatment cards, are not being maintained as specified by the central Zoo Authority. It should be maintained as per the CZA prescribed formats.	Condition Complied
6. Veter	rinary and	infrastructure facilities	
7.	6(1)	The zoo has hospital building but the same is not being utilized and lying nonfunctional. None of the staff including Veterinary Officer of the zoo spends time in his office, neither the lab with basic facilities is established so far.	Condition Complied
9. Acqui	isition and	d breeding of animals:	
8.	9(8)	The Zoo has failed to mark its all animals. The same	Under Progress

Yours faithfully,

(Dr. R. K. Hirpara) 3 - 4 - 18
Zoo Superintendent
Rajkot Zoological Park

 $\label{lem:condition} \hbox{D:\2018-19\April-18\Evaluation letter CZA\Reply letter evaluation 2017 Dt.\13.04.2018.docx}$ 

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Ph.: +9199789 11245, Fax: 0281-2224258, Email- <a href="mailto:rajkotzoo@yahoo.com">rajkotzoo.com</a>, URL: <a href="mailto:www.rajkotzoo.com">www.rajkotzoo.com</a>

## Free Living Species occurring in the Zoo Campus – Fauna







### Birds

	Bilus						
1	Great crested grebe	37	Shikra				
2	Little grebe	38	Osprey				
3	Great cormorant	39	Peregrine falcon				
4	Little cormorant	40	Common quail				
5	Darter	41	Rain quail				
6	Large egret	42	Grey francolin				
7	Purple heron	43	Indian peafowl				
8	Grey heron	44	White breasted water hen				
9	Black crowned night heron	45	Water cock				
10	Indian pond heron	46	Common moorhen				
11	Cattle egret	47	Purple moorhen				
12	Median egret	48	Common coot				
13	Little egret	49	Pheasant tailed jacana				
14	Painted stork	50	Black winged stilt				
15	Asian open bill stork	51	Stone curlew				
16	Oriental white ibis	52	Red wattle lapwing				
17	Black ibis	53	River tern				
18	Glossy ibis	54	Blue rock pigeon				
19	Eurasian spoonbill	55	Eurasian collared dove				
20	Lesser flamingo	56	Red collared dove				
21	Greater flamingo	57	Little brown dove				
22	Brahminy duck	58	Rose ringed parakeet				
23	Comb duck	59	Brain fever bird				
24	Lesser whistling duck	60	Pied crested cuckoo				
25	Northern pintail	61	Asian koel				
26	Common teal	62	Greater coucal				
27	Spot billed duck	63	Brown owl				
28	Gadwall	64	Eurasian eagle owl				
29	Eurasian pigeon	65	Spotted owl				
30	Northern shoveller	66	House swift				
31	Garganey	67	Common Indian nightjar				
32	Common pochard	68	Lesser pied kingfisher				
33	Tufted pochard	69	Small blue kingfisher				
34	Black shoulder kite	70	White breasted kingfisher				
35	Honey buzzard	71	Blue cheeked bee eater				
36	Black kite	72	Indian roller				

73	Common hoopoe	89	Asian paradise flycatcher
74	Coppersmith barbet	90	Grey headed flycatcher
75	Wire tailed swallow	91	Rufous fronted prinia
76	Great grey shrike	92	Ashy prinia
77	Rufous shrike	93	Common tailor bird
78	Eurasian golden oriole	94	Oriental magpie robin
79	Black drongo	95	Indian robin
80	Rosy starling	96	Yellow wagtail
81	Brahminy starling	97	White wagtail
82	Common myna	98	Purple sunbird
83	Indian Treepie	99	Oriental white eye
84	House crow	100	House sparrow
85	Common iora	101	Baya weaver
86	Red vented bulbul	102	Black breasted weaver
87	Large grey babbler	103	Red munia
88	Ticklell's blue flycatcher	104	White throated munia

### Reptiles

1	Common sand boa
2	Trinket
3	Wolf snake
4	Checkered kill back
5	Rat snake
6	Cobra

7	Saw scaled viper
8	Krait
9	Garden lizard
10	Monitor Lizard
11	Indian Pond Turtle
12	Star tortoise

#### **Mammals**

1	Indian hare
2	Porcupine
3	Mongoose common
4	Hedge-hog
5	Jungle cat
6	Five Striped Squirrel

"Wherever there are wild animals in the world, there is always an opportunity for caring, compassion and kindness."

# RAJKOT ZOOLOGICAL PARK



Behind Old Marketing Yard, Bhichari Road, Rajkot Junagadh Highway, Rajkot – 360005 Email: rajkotzoo@yahoo.com