

*Kamla Nehru Zoological Garden,  
Kankaria, Ahmedabad*

# *Annual Report*

**2017-18**



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## **1. *Directors Report / Report of the Officer-in-charge***

When different cities are covered under Smart City Project, Zoological Gardens should also be Smart in all aspects like design, record keeping, manpower and other technologies of zoo management.

Central Zoo Authority always encouraging and boosting all zoos to become smart and modern as per National Zoo Policies 1998, Ahmedabad Zoo implementing development projects for modernization and creating better facilities to animals and visitors both, as per approved Master Plan of CZA.

As per the commitment Ahmedabad Zoo is able to inaugurate Nocturnal House on 25<sup>th</sup> December, 2017 by Honble Chief Minister of Gujarat and this new attraction is very popular amongst citizens. Now those who are coming to Kankaria lake they are asking address of this facility. We have also come up with Apps facility which will give all information about Zoo and other available facilities, activities to children and visitors.

First time in Indian Zoos we have adopted Geo-thermal aeration for the aeration of enclosures and public area of Nocturnal House. we have developed prototype of Geothermal aeration and tested it in tiger enclosure during 1999-2000. Ambiance and environment of nocturnal house is unique and movie of nocturnal animals is very informative.

Almost all media electronic and print both has given good coverage to this new facility and all children now they are aware about nocturnal animals because we are showing eight minutes film before entering in this facility with Dos and Don'ts.

Thanks to CZA, team of Ahmedabad Municipal Corporation Political and Administrative wing, Municipal Commissioner Sir Deputy Municipal Commissioner Sir and all civil, electrical engineers, architect consultant and Zoo team who has worked tremendously and able to complete this project successfully.

We are again started working on next development programme for modernization of other enclosures as per guidelines of CZA.

**Best Wishes to all Indian Zoos**

Dr. R.K SAHU Director of Ahmedabad Zoo

## **2. History of the Zoo**

The Kamla Nehru Zoological Garden was established in 1951 by Padmashree Reuben David. He was an animal lover and a compassionate conservationist with a great experience with animals. He experimented with several animals and strived to create a better environment for them. He faced a tough resistance for housing carnivorous animals in a mainly vegetarian culture of the city of Ahmedabad that preferred a zoo of the herbivorous tribe. It was in 1952, that the zoo started housing the carnivorous animals.

Padmashree Reuben David aimed to create a near natural habitat for animals, birds and reptiles and develop a distinct style of zoo architecture. He planted innumerable trees in the zoo and its surroundings and created a green zone - the zoo complex that included a zoo - Kamala Nehru Zoological Gardens, a children's park - Chacha Nehru Balvatika and a museum - Reuben David Natural History Museum. Over a period of time, the zoo has nurtured its wards with care and sensitivity that have become benchmarks. Continuous innovations in animal care and visitor facilities and comfort mark the zoo.

## **3. Vision**

“The Kamala Nehru Zoological Park, by virtue of its location, will be an urban oasis. The Park will bring into an urban centre, experiences of natural habitat sensitizing the popular generating respect for the animals, their environment and their characteristic behaviour. Keeping the welfare of the animals as its primary concern, the park will engage in the promotion of conservation breeding thus complementing a global concerted effort of sustaining the rich biodiversity of the earth.”

## **4. Mission**

Ahmedabad Zoo is one of the old zoo started in 1951, Almost all enclosures are outdated designed and not matching the standard of modern concept of Zoo Management, therefore we are changing design of all the enclosures phase wise as per the guidelines of CZA and National Zoo Policy 1998. As per approved Master Plan we have to implements it up to 2022.

## **5. Objective**

The Kamla Nehru Zoological Garden was started with the purpose of Recreation but now our main aim is conservation of endangered species breeding them in captivity, so as to save them from extinction, Education and Research. Involvement of all Universities like CEPT School of Architect, Gujarat University, National Institute of Design (NID) St. Xavier's University, All Veterinary College Universities of Gujarat, Engineering Universities etc.

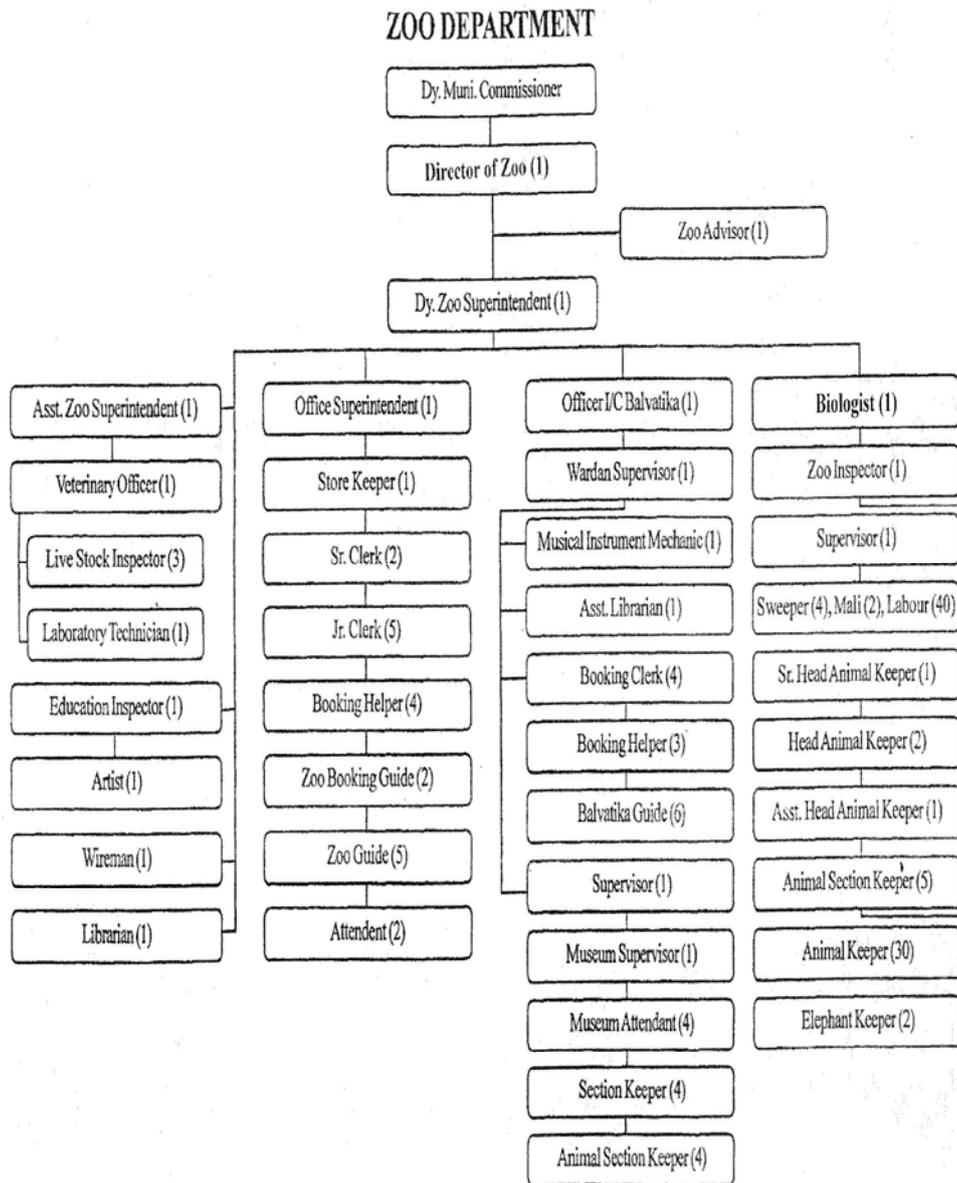
## 6. About us

S.No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	<b>Kamala Nehru Zoological Garden, Ahmedabad (Gujarat)</b>
2	Year of Establishment	<b>1951</b>
3	Address of the Zoo	<b>Kamala Nehru Zoological Garden, Kankaria, Ahmedabad – 380 008, Gujarat</b>
4	State	<b>Gujarat</b>
5	Telephone Number	<b>+91-79-25463415</b>
6	Fax Number	<b>+91-79-25463818/25350926</b>
7	E-mail address	<a href="mailto:kankaria@ahmedabadzoo.in"><b>kankaria@ahmedabadzoo.in</b></a>
8	Website	<a href="http://www.ahmedabadzoo.in/"><b>www.ahmedabadzoo.in/</b></a>
9	Distance from nearest	<b>Airport: 12 Km</b>
		<b>Railway Station: 04 Km</b>
		<b>Bus Stand: 02 Km</b>
10	Recognition Valid up to (Date)	<b>08.06.2019</b>
11	Category of zoo	<b>Large Zoo</b>
12	Area (in Hectares)	<b>117 acre</b>
13	Number of Visitors (Financial Year)	<b>Adult : 18, 38, 633</b>

<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
		<b>Children : 10, 26, 944</b>
		<b>Total Indian : 28, 65, 577</b>
		<b>Total Foreigners : 616</b>
		<b>Total Visitors: 28, 66,193</b>
14	Visitors' Facilities Available in Zoo	<b>Washroom, Drinking water, First aid, Wheel chair, Dom and Resting area, Anti venom serum, Library, Information Centre.</b>
15	Weekly Closure Day of the Zoo	<b>Monday</b>
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	<b>Dr. R. K. Sahu, Director of Zoo</b>
	Name of the Veterinary Officer	<b>Dr. J. B. Kacha (On deputation) Dr. Sharva Shah (Contract Base)</b>
	Name of the Curator / Zoo Superintendent	<b>Dr. N. K. Savdhariya,</b>
	Name of the Biologist	<b>Bharatsinh P. Vihol</b>
	Name of the Education Officer	<b>Bharatsinh P. Vihol</b>
	Name of the Compounder/ Lab Assistant	<b>Rakeshkumar C. Patel (On deputation) Akram Shaikh (Contract Base) Alpesh Valand (Contract Base)</b>

<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
<b>Owner / Operator of the Zoo</b>		
17	*Name of the Operator	<b>Ahmedabad Municipal Corporation</b>
18	Address of the Operator	<b>Ahmedabad Municipal Corporation, Sardar Patel Bhavan Danapeeth, Ahmedabad-380001</b>
19	Contact details/Phone number of Operator	<b>+91-79-25391811, 25353818,25352828</b>
20	E-mail address of Operator	<b>mc@ahmedabadcity.gov.in</b>

## 7. Organizational Chart



## 8. Human Resources

### Manpower of the Zoo\*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Director of Zoo	1	1
2	Zoo Superintendent/Deputy Zoo Superintendent	1	1(On Deputation)
3	Incharge Officer Balvatika	1	0
4	Assistant Zoo Superintendent	1	1
5	Office Superintendent	1	1
6	Veterinary Officer	1	1 (Contract Base)
7	Biologist	1	1
8	Education Inspector	1	1
9	Zoo Inspector	1	0
10	Store Keeper	1	1
11	Warden Supervisor	1	0
12	Senior Lab Technician	1	0
13	Senior Head Animal keeper	1	0
14	Live Stock Inspector	3	1 On Deputation 2 Contract base
15	Senior Clerk	2	2
16	Librarian	1	0
17	Assistant Reliever Librarian	1	0
18	Junior Clerk	9	9
19	Head Animal keeper	2	1
20	Assistant Head Animal keeper	1	1
21	Senior Mali	2	0

22	Assistant Elephant cum Animal keeper	1	0
23	Sweeper	2	2
24	Zoo Advisor	1	0
25	Zoo Artist	1	1
26	Balvatika Supervisor	2	2
27	Wireman	1	1
28	Musical Instrument Mechanic	1	0
29	Zoo Booking Guide	2	0
30	Museum Supervisor	1	0
31	Zoo Animal Section Keeper	5	0
32	Balvatika Animal Section Keeper	4	2
33	Balvatika Section Keeper	4	1
34	Animal Keeper	30	15 Regular 16 Contract basis
35	Assistant Elephant cum Animal keeper	1	0
36	Zoo Guide	5	4
37	Balvatika Guide	6	5
38	Museum Attendant	4	2
39	Muni. Attendant	2	0
40	Garden Labourer/Majur	40	38
41	Booking Helper	7	6
42	Sweeper	2	2 12 Contract basis
	Total	156	133

**9. Capacity Building of Zoo personnel**

**“INTERACTIVE SESSION ON ZOOLOGICAL INFORMATION  
MANAGEMENT SYSTEM”**

**CENTRAL ZOO AUTHORITY, NEW DELHI AND ZIMS-Species  
360**

Date. 05.02.2018 to 06.02.2018,

At Kamala Nehru Zoological Garden,

Kankaria, Ahmedabad.

**Participant and Co-ordinator list**

No.	Name	Designation	Institute
1	Dr. R. K. Sahu	Director	Ahmedabad Zoo
2	Mr. Moin Ahmed	Co-ordinator	ZIMS
3	Mr. Prasant Joshi	Zoo Guide	Surat Zoo
4	Ms. Hemaxi	Biologist	Junagadh Zoo
5	Mr. Bharatsinh P. Vihol	Biologist and Education Inspector	Ahmedabad Zoo

10.

### **Zoo Advisory Committee –**

- Recreational, Cultural and Heritage committee
  
- a. Date of constitution - Jan 2015
- b. Members - 14
- c. Dates on which Meetings held during the year –  
Every 15 days (Friday)

### **11. Health Advisory Committee–**

Headed by Conservator of Forest and members are from Veterinary College Anand and Animal Husbandry department Government of Gujarat.

- a. Date of constitution : 12/01/2005
- b. Members : 4
- c. Dates on which Meetings held during the year:  
Since long this Committee has not visited our Zoo.

## 12. Statement of income, visitors and expenditure of the Zoo

### *Zoo Department Income in Rs.*

<i>Year</i>	<i>Zoo</i>	<i>Nocturnal Zoo</i>	<i>Balvatika</i>	<i>Butterfly Park</i>	<i>Other Income</i>	<i>Total</i>
2015-16	36862860	----	1813795	1653510	11018574	51348699
2016-17	32739063	----	1480113	1601525	14125487	49946188
2017-18	30005905	9091790	1300786	1364490	13012598	54775569

### *Zoo Department Nos. of Visitors*

<i>Year</i>	<i>Zoo</i>	<i>Nocturnal Zoo</i>	<i>Balvatika &amp; N.H.Museum</i>	<i>Butterfly Park</i>	<i>Total</i>
2015-16	2135116	----	676882	191086	3003084
2016-17	1904130	----	565216	172308	2641654
2017-18	1791259	247442	677355	150137	2866193

### *Zoo Department Expenditure in Rs.*

<i>Year</i>	<i>Revenue</i>	<i>Capital</i>	<i>Total</i>
2015-16	5,94,73,000	2,32,53,000	8,27,26,000
2016-17	7,09,07,000	3,50,00,000	10,59,07,000
2017-18	8,06,21,000	8,00,00,000	16,06,21,000

### 13. Daily feed Schedule of animals

#### Daily feed Schedule of animals

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
<b>MAMMALS</b>					
1	Bear Himalayan Black	Milk, rice, roti of gram flour, fruits, breads etc.	Milk 2 Ltr. rice 500 gms, roti of gram flour 250 gms, seasonal fruits 3Kg, breads 500 gm etc.	10% lesser than winter	NIL
2	Black Buck Common and white	Dry Concentrate(gram pieces, maize pieces, groundnut cake, cattle feed, salt licks), Dry hay, Green Fodder	400-600gms Concentrate. 2-3 kg green fodder and hay adlib with leaves of different trees.	5% lesser than winter	NIL
3	Jungle Cat	Chicken/Buffalo Meat	800-1000 gms	10% lesser than winter	NIL
4	Common Palm Civet	Milk, Banana, Papaya, Bread, Chevon	200 ml, 4-5 pieces, 250 gms, 4-6 slice, 100-150 gms	5% lesser than winter	NIL
5	Indian Elephant	Cooked rice, ragi flour, kulthi grains, jaggery, coconuts, sugarcane, green grass, leaves, and barks of Baniyan and peepal tree etc.	Cooked food 5-8 kgs, jaggery 2-3 kgs, coconut 2 pieces, 10-15 kg sugarcane, 150 kg green grass and leaves	5% lesser than winter	NIL

			and bark of Baniyan and peepal tree adlib.		
6	Jackal	buffalo meat and goat meat	500-700 gms	400-600 gms	NIL
7	Common Langur	Soaked grams, banana, papaya, seasonal fruits and vegetables twice a day	150-200 gms, 2-5 nos. 200 gms, 200-300 gms	5% lesser than winter	NIL
8	Leopard/Panther	Buffalo Meat	3.5-4kg (M) 3-3.5 kg (F)	3kg (M) 2.5kg (F)	Friday
9	Lion Indian	Buffalo Meat	12kg (M) 8kg (F)	10kg (M) 7kg (F)	Friday
10	Macaque Bonnet	Soaked grams, banana, papaya, seasonal fruits and vegetables twice a day	150-200 gms, 2-5 nos. 200 gms, 200-300 gms	5% lesser than winter	NIL
11	Macaque Rhesus	Soaked grams, banana, papaya, seasonal fruits and vegetables twice a day	150-200 gms, 2-5 nos. 200 gms, 200-300 gms	5% lesser than winter	NIL
12	Otter	Fish, Carrot twice a day	2-2.5 kg and 2 pieces	5% lesser than winter	NIL
13	Porcupine Bengal	Pulses, Math, Grams, Seasonal Fruits and Vegetables twice a day	100-150 gms. 500-700 gms.	5% lesser than winter	NIL
14	Tiger Bengal	Buffalo Meat	12kg (M) 8kg (F)	10kg (M) 7kg (F)	Friday
15	Tiger Bengal (White)	Buffalo Meat	8kg (F)	7kg(F)	Friday
16	Deer Hog	Dry Concentrate(gram pieces, maize pieces, groundnut cake, cattle feed),	600-900 gms, 2-5 kg	5% lesser than winter	NIL

		Dry hay, Green Fodder			
17	Deer Sambar	Dry Concentrate(gram pieces, maize pieces, groundnut cake, cattle feed, salt licks), Dry hay, Green Fodder	1.5-2 kg, adlib. 3-5 kg.	5% lesser than winter	NIL
18	Deer Spotted-Chittal	Dry Concentrate(gram pieces, maize pieces, groundnut cake, cattle feed, salt licks), Dry hay, Green Fodder	600-900 gms. adlib, 2-5 kg.	5% lesser than winter	NIL
19	Fox Flying	Papaya and Banana and other seasonal fruits	200-300 gms	200-300 gms	NIL
20	Hippopotamus	Dry Concentrates, Vegetables and Green Grass	5-7 kg, 2-5 kg & 50-100 kg	5% lesser than winter	NIL
21	Hyena	Buffalo Meat & Chiken	1kg & 2kg	800-900 gms & 1.5 kg	NIL
22	Nilgai/Blue Bull	Dry Concentrate(gram pieces, maize pieces, groundnut cake, cattle feed, salt licks), Dry hay, Green Fodder	1.5-2 kg. adlib, 3-5 kg	5% lesser than winter	NIL

<b>REPTILES</b>					
1	Cobra Indian	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
2	Crocodile Long Snouted/ Gharial	Buffalo Meat <b>twice a week</b>	2-5 kg	2-5 kg	---
3	Crocodile Marsh (Mugger)	Buffalo Meat <b>twice a week</b>	2-5 kg	2-5 kg	---
4	Crocodile Saltwater	Buffalo Meat <b>twice a week</b>	2-5 kg	2-5 kg	---
5	Monitor Lizard/Common Indian	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
6	Indian Python Rock	Hen or Rabbit <b>once in a week</b>	As per requirements	As per requirements	---
7	Snake Russell's Viper	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
8	Snake Keelback Checkered	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
9	Snake Rat/Dhaman	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
10	Krait	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
11	Boa John's	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
12	Boa Russell's	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
13	Snake Trinket	Poultry chicks <b>once in a week</b>	As per requirements	As per requirements	---
14	Tortoise Indian Star	Soaked grams, math, and greens	40-100 gms	As per requirements	NIL

				nts	
15	Turtle	Fish and Minced meat	200-300 gms	As per requirements	NIL
16	Green Anaconda	White mice <b>once in a week</b>	As per requirements	As per requirements	---
<b>BIRDS</b>					
1	Peafowl	Jowar Bajra, Greens twice a day	100-200 gms & 50-100 gms	100-200 gms & 50-100 gms	NIL
2	Pigeon Nicobar	Cannery black seeds, soaked grams, jowar bajra	20-50 gms	20-50 gms	NIL
3	Spoonbill White	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
4	Babbler Common	jowar bajra	50-70 gms	50-70 gms	NIL
5	Budgerigar	cannery black seeds, kang cheena, greens	adlib	adlib	NIL
6	Cassowary	Soaked Grams and math, green vegetables, banana, bread.	1-1.5 kg soaked grains and 1kg fruits & vegetables	1-1.5 kg soaked grains and 1kg fruits & vegetables	NIL
7	Cockatiel	cannery black seeds, kang cheena, greens	adlib	adlib	NIL
8	Cockatoo	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL

9	Connure Brown Eared	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
10	Connure Patagonian	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
11	Cormorant Little	fish	adlib.	adlib.	NIL
12	Crane Crowned	boiled egg, jowar bajra, rice, wheat bran	2 eggs, adlib.	2 eggs, adlib.	NIL
13	Dove Rufous Turtle	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
14	Duck Comb	soaked prawn husk, wheat bran, jowar bajra	adlib.	adlib.	NIL
15	Egrets	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
16	Emu	Soaked Grams and math, green vegetables, banana, bread.	1-1.5 kg soaked grains and 1kg fruits & vegetables	1-1.5 kg soaked grains and 1kg fruits & vegetables	NIL
17	Finches	cannery black seeds, kang cheena, greens	5-10gms	5-10gms	NIL
18	Flamingo	jowar bajra, soaked wheat bran and prawn powder	adlib.	adlib.	NIL
19	Goose Grey Leg	soaked prawn husk, wheat bran, jowar bajra	adlib.	adlib.	NIL
20	Heron Indian Reef	Minced buffalo meat and fish	100-150 gms approx.,	100-150 gms	NIL

			adlib.	approx., adlib.	
21	Heron Night	Minced buffalo meat and fish	100-150 gms approx.	100-150 gms approx.	NIL
22	Ibis Black	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
23	Ibis White	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
24	Kite	minced meat	100-150 gms	100-150 gms	NIL
25	Koel	papaya	50-100 gms	50-100 gms	NIL
26	Lapwing Red Wattled	minced meat and fish	50-60 gms.	50-60 gms.	NIL
27	Lorry Chattering	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables, milk, bread & honey	adlib., 40 ml milk one piece bread	adlib., 40 ml milk one piece bread	NIL
28	Love Birds	cannery black seeds, kang cheena, greens	adlib	adlib	NIL
29	Myna Common	jowar bajra	30-40 gms	30-40 gms	NIL
30	Parakeet	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
31	Parakeet Alexanderine	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
32	Parakeet	sunflower seeds,	adlib.,	adlib.,	NIL

	Blossom Headed	rice paddy, groundnut with cover, grams, hard fruits & vegetables.			
33	Parakeet Rose Breasted	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
34	Parakeet Rose Ring	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
35	Partridge Grey	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
36	Peafowl White	Jowar Bajra, Greens twice a day	100-200 gms & 50- 100 gms	100-200 gms & 50- 100 gms	NIL
37	Pelican Rosy/White	fish	500-900gms	500- 900gms	NIL
38	Pheasant Golden	jowar bajra grains and greens	40-80 gms	40-80 gms	NIL
39	Pheasant Silver	jowar bajra grains and greens	40-80 gms	40-80 gms	NIL
40	Pigeon Crowned	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
41	Pigeon Pied Imperial	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
42	Rosella Eastern	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
43	Sparrow Java	cannery black	5-10gms	5-10gms	NIL

		seeds, kang- cheena, greens			
44	Stork Adjutant	Minced buffalo meat and fish	3-3.5 kgs approx.	3-3.5 kgs approx.	NIL
45	Stork painted	Minced buffalo meat and fish	1.0-1.5 kg approx., adlib.	1.0-1.5 kg approx., adlib.	NIL
46	Stork White Neck	Minced buffalo meat and fish	1.0-1.5kg. approx., adlib.	1.0-1.5kg. approx., adlib.	NIL
47	Vulture White Backed-Bengal	Buffalo meat and bones	800- 1000gms	800- 1000gms	NIL
48	Lorry Red/Molucan	Sun flower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL

## 14. Vaccination Schedule of animals

### Vaccination Schedule of animals in Ahmedabad Zoo

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1.	All Felines namely Lion, Tiger & Leopard as per the inventory of Ahmedabad zoo	Calici Virus, Rhinotrachitis, Panleucopenia (feline distemper)	Feligen CRP vaccine, 1 ml SC or IM by dart gun	Once in a year in the month of April	
2	Elephant	Tetanus	Tetanus toxoid 20 ml IM	Once in a year in the month of May 2017	
3	All Birds as per the inventory of Ahmedabad zoo	Ranikhet Disease	F1 Lasota Strain Vaccine 30 ml diluent per 1000 doses	every six months interval in the month of September 2017 & February 2018	

## 15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	All Mammals as per the inventory of Ahmedabad zoo	Panacur Bolus Hitek Bolus Albomar Bolus	May 2017 & Feb. 2018 July 2017 Oct. 2017 and after checking of faecal sample if samples are positive we are again doing deworming
2	All Birds as per the inventory of Ahmedabad zoo	Albomar Liquid Hitek Liquid	May 2017 & Oct. 2017 July 2017 & Feb. 2018 and after checking of faecal sample if samples are positive we are again doing deworming
3	All Felines namely Lion, Tiger & Leopard as per the inventory of Ahmedabad zoo	Inj. Triquin	Once in a Year

## 16. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	All Mammals as per the inventory of Ahmedabad zoo	-----	Kohrsoline, Butox, P.P solution	Every Month If any outbreak news in city or outside frequency increases.
2	All Birds as per the inventory of Ahmedabad zoo	-----	Kohrsoline, Butox, P.P solution	Every Month If any outbreak news in city or outside frequency increases.
3	All Reptiles as per the inventory of Ahmedabad zoo	-----	Kohrsoline, Butox, P.P solution	Every Month

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

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Dr.R.K.Sahu	Director of Zoo	June 2017	No Zoonotic diseases found
2	Dr.N.K.Savdhariya	Zoo Superintendent	June 2017	No Zoonotic diseases found
3	Dr.J.B.Kacha	Veterinary Officer	June 2017	No Zoonotic diseases found
4	Dr. Sharva Shah	Veterinary Doctor (Contract Basis)	June 2017	No Zoonotic diseases found
5	Mr.Bharatsinh.P.Vihol	Biologist and Education Inspector	June 2017	No Zoonotic diseases found
6	Mr.Rakeshkumar C. Patel	Live Stock Inspector	June 2017	No Zoonotic diseases found
7	Mr. Akram Shaikh	Live Stock Inspector (Contract Basis)	June 2017	No Zoonotic diseases found
8	Mr. Alpesh Valand	Live Stock Inspector (Contract Basis)	June 2017	No Zoonotic diseases found
9	Mr.Farsuram.B.Patel	Head Animal Keeper	June 2017	No Zoonotic diseases found

10	Mr.Ranjitsinh.A.Jadeja	As. Head Ani. Keeper	June 2017	No Zoonotic diseases found
11	Mr.Zahirabbas Yasinkhan	Animal Keeper	June 2017	No Zoonotic diseases found
12	Mr.Dilavarkhan S. Pathan	Labour	June 2017	No Zoonotic diseases found
13	Mr Gulamnabi Usmanbhai	Animal Keeper	June 2017	No Zoonotic diseases found
14	Mr Ajmalkhan Muzfarkhan	Animal Keeper	June 2017	No Zoonotic diseases found
15	Mr Ganshyamsinh G.	Animal Keeper	June 2017	No Zoonotic diseases found
16	Mr Maheubmiya Gulabnabi	Animal Keeper	June 2017	No Zoonotic diseases found
17	Mr. Bheirusingh K.	Labour	June 2017	No Zoonotic diseases found
18	Mr Firozkhan Hasankhan	Labour	June 2017	No Zoonotic diseases found
19	Mr Dineshbhai Sadrabhai	Animal Keeper	June 2017	No Zoonotic diseases found
20	Mr Ayubbhai Usmanbhai	Animal Sec Keeper	June 2017	No Zoonotic diseases

				found
21	Mr Ashok P.Patel	Animal Keeper	June 2017	No Zoonotic diseases found
22	Mr Tulsibhai Dahyabhai	Safai Kamdar	June 2017	No Zoonotic diseases found
23	Mr Mahendrasinh A Jadeja	Animal Keeper	June 2017	No Zoonotic diseases found
24	Mr Saiyadali Ajimuddin	Animal Keeper	June 2017	No Zoonotic diseases found
25	Mr Mohmadsharif H Qreshi	Animal Keeper	June 2017	No Zoonotic diseases found
26	Mr Noormahmad Habibbhai	Labour	June 2017	No Zoonotic diseases found
27	Mr. Rajesh Haribhai	Sweeper	June 2017	No Zoonotic diseases found
28	Mr Jagatsinh Kaharsinh	Labour	June 2017	No Zoonotic diseases found
29	Mr Bhagubhai D.Patel	AnimalKeeper	June 2017	No Zoonotic diseases found
30	Mr Kiranbhai Naranbhai	AnimalKeeper	June 2017	No Zoonotic diseases found
31	Mr Rameshbhai Becharbhai	AnimalKeeper	June 2017	No Zoonotic

				diseases found
32	Mr Siyaram Babulal	AnimalKeeper	June 2017	No Zoonotic diseases found
33	Mr Sravanbhai Kanjibhai	AnimalKeeper	June 2017	No Zoonotic diseases found
34	MrRanchhodbhaiNGarasiya	Wireman	June 2017	No Zoonotic diseases found
35	Mr. Umesh Vora	Labour	June 2017	No Zoonotic diseases found
36	Mr. Raimal Padhiyar	Labour	June 2017	No Zoonotic diseases found
37	Mr. Rajubhai Chelabhai	Labour	June 2017	No Zoonotic diseases found
38	Mr. Prakash Guarde	Labour	June 2017	No Zoonotic diseases found
39	Mr. Girish Vaghela	Labour	June 2017	No Zoonotic diseases found
40	Mr. Ramkishor Yadav	Labour	June 2017	No Zoonotic diseases found
41	Mr. Naresh Baraiya	Labour	June 2017	No Zoonotic diseases found

42	Mr. Kishan Mavji	Labour	June 2017	No Zoonotic diseases found
43	Mr. Gopalsingh Rajput	Keeper on Contract base	June 2017	No Zoonotic diseases found
44	Mr. Rasasingh D.	Keeper on	June 2017	No Zoonotic diseases found
45	Mr. Vijay Dube	Contract base	June 2017	No Zoonotic diseases found
46	Mr. Vikas K.	Keeper on	June 2017	No Zoonotic diseases found
47	Mr. Nilesh D.	Contract base	June 2017	No Zoonotic diseases found
48	Mr. Salman Vora	Keeper on	June 2017	No Zoonotic diseases found
49	Mr Vasim A.	Contract base	June 2017	No Zoonotic diseases found
50	Mr. Salim Y.	Keeper on	June 2017	No Zoonotic diseases found
51	Mr. Jahangir M.	Contract base	June 2017	No Zoonotic diseases found

**18. Development Works carried out in the zoo during the year**

Nocturnal House: Inauguration of Nocturnal House by Hon'ble  
C.M. of Gujarat Shri Vijaybhai Rupani



## Press: Spot nocturnal creatures like leopard during day at Kankaria zoo

Ahmedabad Mirror | Updated: Dec 21, 2017, 02:02 IST

- [javascript:void\(0\);](#)



If a visit to the zoo left you disappointed because you were unable to spot the leopards, night herons, owls or herons that are nocturnal creatures, things are about to change. This Christmas, the Kankaria zoo will open its first 'nocturnal house' to the public. While these animals usually sleep during the day and stay awake at night, the house manipulates light to ensure that nocturnal animals stay awake during day and sleep at night.

The project was launched at the zoo in 2015 and was completed recently at a cost of around Rs 11 crore. Zoo director R K Sahu says, "Nocturnal animals like leopard, night jackals and hyenas will live in this section. It has been created in a way that animals will get a night-time environment during the day and vice-versa. So visitors will be able to watch them move around during day time."

The officials create this environment by manipulating light. Dim lights will prompt the animals to stay away during the day while bright lights will be used to propel them to sleep at night. Other animals to be housed here include jungle cat, bat, hedgehog, porcupine, palm civet and flying fox among others. Asked if there will be any adverse impact on the animals' sleeping patterns, officials said the animals will not face a major problem as they already feed the animals during day time, which makes them semi-nocturnal. AMC standing committee chairman Pravin Patel said, "The nocturnal house will be inaugurated on December 25, the same day as the Kankaria carnival starts."

It will be open to visitors since 9 am. The entry fee to nocturnal house will be Rs 50 for people above the age of 12, and Rs 20 for people between the ages of 3- 12. The fee will be Rs 20 per student in an educational tour. Chandkheda resident Chetan Kumar Usha said, "Until now we were only able to see such animals sleeping during visiting hours at the Kankaria zoo. Now that a nocturnal house has been built we will be able to view the animals moving around."

Nocturnal house

Inauguration: December 25

Timings: 9 am to 6 pm

Entry fees: Rs 20 for people between 3- 12 years

Rs 50 for people above 12 years Rs 20 per student on educational tour

## 19. Education and Awareness programmes during the year

### **Zoo Education Activity:**

Ahmedabad Zoo has celebrated Wildlife Week from 1<sup>st</sup> to 7<sup>th</sup> Oct 2017, Animal welfare fortnight 14<sup>th</sup> to 30<sup>th</sup> January 2018 and World wildlife day on 3<sup>rd</sup> March 2018 to create awareness about wildlife and animal welfare among the visitors, We are also allowing students free entry during these celebrations.

### **Drawing Competition**



# Celebrations :



- **Veterinary Students Internship Programme:**

Three Veterinary Colleges of Gujarat are sending their students to Ahmedabad zoo for their Internship Programme. In this year total 143 students completed their Internship from Ahmedabad Zoo.

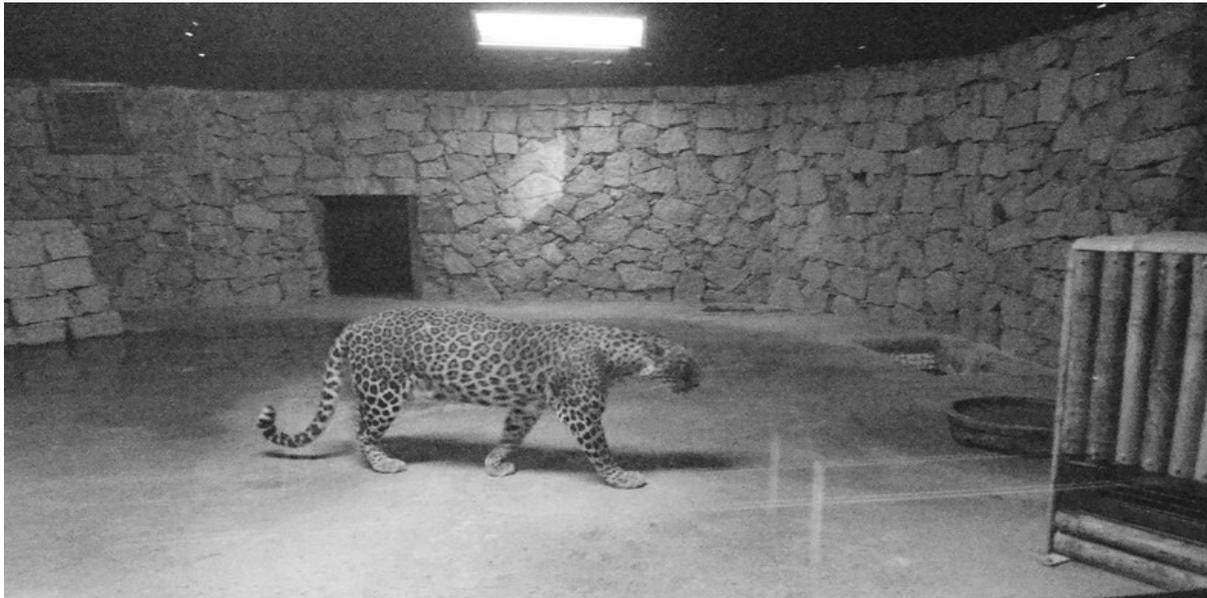


## *Friends of Zoo Scheme*

- No of Adopters – 20
- No. of Adopted Animals – 36
  - Mammals – 10
  - Birds – 17
  - Reptiles - 09
- Income Rs. 3,99,100/00

## 20. Important Events and happenings

# India's high-tech, eco-friendly zoo opens at 'night', is a huge draw



By Mahesh Trivedi Special to Al Arabiya English Thursday, 17 May 2018

Animal parks are a dime a dozen in India but a new-fangled nocturnal zoo has turned out to be a big draw with visitors making a night of it in the man-made jungle in the marvelous menagerie.

Located in Mughal-built Ahmedabad, the country's first world heritage city in the western Indian state of Gujarat, the 9,000-square-metre zoological garden bordering a vast, polygonal lake has two thrilling caves with some 20 gigantic glass enclosures housing scores of wild, night-prowling animals, rodents and birds.

The 2,000-odd men, women and children who throng the zoo every day are struck with wonder as they enter the spacious, dim-lit tunnels with ceilings resembling a night sky full of twinkling stars and a shape-changing moon simulated by a high-tech, first-of-its-kind, self-programmed lighting system not found in other exhibition galleries.



The newly-opened nocturnal zoo in Ahmedabad is a big draw. (Supplied)

Natural habitats

And with real cries of the inhabitants in the microphone-fitted cages designed as landscaped natural habitats, as also recorded roars, growls, squeaks, screeches, hoots and laughs constantly emanating from camouflaged speakers, the sightseers get the feeling that they are passing through a dark forest in the dead of night even during daytime.

With the lighting system reversing the wake-sleep cycle of the dumb denizens, the day-trippers' joy doubles when they watch up-close the regular nightly routine of the wide-awake nocturnal animals otherwise found dozing or out of action and just cooling their heels in normal zoos.

One can keep looking at the majestic, leopard loitering behind unbreakable soundproof glass windows, the ferocious but near-threatened hyena or a crackerjack jackal with curved canine teeth used for hunting birds and mammals.



A selfie point has been specially created outside the nocturnal zoo to attract youngsters. (Supplied)

#### Killer quills

Holidaymakers are also astounded by the sight of porcupines with 30,000 black-and-white killer quills, hedgehogs rolling into a tight ball with spines pointing outwards, palm civets boasting a long, stocky body covered with gray, shaggy hair and solitude-loving jungle cats having sandy, reddish-brown fur without spots.

But hold your horses: The night zoo also has large-eyed fruit bats who are also called flying foxes, black-crowned night herons known for their croaking, crow-like calls, flying squirrels with a furry, parachute-like membrane stretching from wrist to ankle and, of course, owls having a heart-shaped face and uttering an eerie, drawn-out shriek.

“Thanks to the special three-layered glass of the enclosures, the animals cannot see outside and remain undisturbed by visitors’ movements and noise,” said volunteer Manoj Patni, adding that every cage has a lot of bushes, tree houses, hillocks, etc. as found in the natural surroundings of the nocturnal fauna.



Dr R K Sahu has single-handedly dreamed up the nocturnal zoo. (Supplied)

#### Durable walls

Indeed, all the walls and other barriers are made of non-combustible and durable rammed earth and not cement what with only natural raw materials like earth, chalk, lime, gravel, clay, stones and sand being used for construction to provide a natural feel and look to the nocturnal zoo, part of the main 31-hectare lakeside Kankaria Zoo, one of the largest and oldest in India.

The Rs 190-million leafy, environment-friendly park that can give other similar zoos abroad a run for their money has a power-saving geothermal temperature control system for natural ventilation with the result that the air blast from pipes keeps the caves 10 degrees Centigrade cooler than outdoors.

Also, a decentralized wastewater treatment system minimizes dependence on government water supply for regularly landscaping the tastefully-designed nocturnal house, brainchild of Dr R K Sahu, the visionary director of Kankaria Zoo.



Visitors watch through gigantic glass enclosures in a cave in the nocturnal zoo.  
(Supplied)

Flyingfox “The fact that the weight of the leopard and other animals has gone up and babies have been born to fruit bats and flying squirrels proves that the inhabitants are in fine feather and always on the ball,” says Dr Sahu, a passionate animal lover who has been beavering away at his challenging job for the past 29 years, turning the white-elephant Kankaria Zoo into a milch cow for the local municipal corporation with the popular nocturnal zoo alone fetching Rs 2.5 million a month.

As the visitors walk out of the caves with a smile, a ‘selfie-point’ with colorful replicas of wild animals, specially created for fun-loving youngsters, adds to their pleasure and makes their day.

## **21. Seasonal special arrangements for upkeep of animals:**

Ahmedabad Zoo is making special arrangements during winter season to all mammals with heater and dry grasses for bedding. For reptiles we are providing earthen pot with bulb this practical of heating arrangements for reptiles first time we have started and Published paper in 1992. For birds we are providing brooder for heating.

During summer for all mammals we are providing coolers, Mist/micro sprinklers and water body to those who love water, provision of green net also make available to avoid direct sun light in enclosures. Every year we are planting trees and creepers for making natural shades in animal's enclosure.

Rainy season does not create much problem in urban zoos but we have provision of shades and Plastic sheets to protect them from heavy rain.

## 22. Research Work carried out and publications

Students list of Research study in zoo :

1. Mr. Devashish Pandya,

Faculty of Design, CEPT University, Ahmedabad.

Subject : Case study on Nocturnal Animal House.

2. Mr. Vinit Damor,

Department of Environmental Science,

University School of Sciences,

Gujarat University, Ahmedabad.

Subject : Survey for Waste Management inside Kankaria Zoo.

3. Ms. Jaiminee Kumarkhaniya,

Department of Environmental Science,

University School of Sciences,

Gujarat University, Ahmedabad.

Subject : Survey for Waste Management inside Kankaria Zoo.

4. Ms. Honey Panchal,

Department of Environmental Science,

University School of Sciences,

Gujarat University, Ahmedabad.

Subject : Survey for Waste Management inside Kankaria Zoo.

5. Ms. Munema Suratwala,

Department of Environmental Science,  
University School of Sciences,  
Gujarat University, Ahmedabad.

Subject : Survey for Waste Management inside Kankaria Zoo.

6. Mr. Nirav Gevariya,

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Bio-Monitoring and water quality assessment of  
stagnant water body – Kankaria lake.

7. Ms. Jhanvi Shah,

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Bio-Monitoring and water quality assessment of  
stagnant water body – Kankaria lake.

8. Ms. Shimoli Patel,

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Bio-Monitoring and water quality assessment of

stagnant water body – Kankaria lake.

9. Mr. Ankit Vikani,

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Bio - Monitoring and water quality assessment of  
stagnant water body – Kankaria lake.

10. Mr. Bhadarka Hiren K.

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

11. Mr. Baldaniya Jaysukh K.

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

12. Mr. Bhavsar Harsh J.

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

13. Mr. Dabhi Dhruvin N.

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

14. Mr. Prajapati Chirag B.

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

15. Mr. Zamakiya Vijay

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

16. Mr. Vasava Vivek

Department of Environmental Engineering,  
L. D. College of Engineering, Ahmedabad.

Subject : Potential for reuse and recycle of water at  
Kankaria Zoo.

## 23. Conservation Breeding Programme of the Zoo

Ahmedabad Zoo is doing Conservation Breeding Programme of Nicobar Pigeon, Indian rock Python and Spoon bill.

### સામાન્ય કબૂતર કરતા મોટા અને સપ્તરંગી વર્ણી એવા નિકોબારી કબૂતરો લુપ્ત થવાની અણી પર હજારથી પણ ઓછી સંખ્યામાં હોવાનો અંદાજ

અમદાવાદ, રવિવાર  
આંદમાન-નિકોબારના લુપ્ત થતા કબૂતરોના સંરક્ષણની જવાબદારી અમદાવાદ કાંકરીયા પ્રાણી સંગ્રહાલયને સોંપવામાં આવી છે. જેમાં હાલમાં ૩૦ પાંજરા બનાવીને ૩૦ કબૂતરો ઉછેરવામાં

વન્યસૃષ્ટિમાંથી કુટલાય પરુ-પક્ષીઓ લુપ્ત થઈ ગયા છે અને બીજા કુટલાય લુપ્ત થવાની અણી પર છે. આવા જ એક પક્ષીમાં આંદમાન-નિકોબારના કબૂતરોનો પણ સમાવેશ થઈ ગયો છે. જે પક્ષીઓ હાલમાં લગભગ

કબૂતરોના સંરક્ષણ અને જાળવણીની જવાબદારી વન્ય અને પર્યાવરણ મંત્રાલયની સેન્ટ્રલ ઝૂ ઓર્ગેનાઈઝેશન દ્વારા કાંકરીયા પ્રાણી સંગ્રહાલયને સોંપવામાં આવી છે. હાલમાં કાંકરીયા પ્રાણી સંગ્રહાલયમાં આ કબૂતરોના જતન માટે



#### અન્ય ઝૂમાં આ કબૂતરોની જાળવણીના પ્રયાસો નિષ્ફળ

અમદાવાદ, રવિવાર  
આંદમાન-નિકોબારના કબૂતરોને જુનાગઢ, ઈન્દોડા પાર્ક, નંદનકાનન અને હંદરાબાદના પ્રાણી સંગ્રહાલયમાં સાચવવાના પ્રયાસો કરાયા હતા. જોકે તેમાં સફળતા મળી નહોતી. ત્યાં સુધી કે આંદમાન-નિકોબાર પ્રાણી સંગ્રહાલયમાં પણ આ કબૂતરો ટકી શકતા નથી. ત્યાંનું પણ વાતાવરણ તેઓને માફક આવતું નથી. કાંકરીયા પ્રાણી સંગ્રહાલયનું વાતાવરણ આ કબૂતરો માટે માફક આવી જતા આ કબૂતરોને અહીંયા રખાયા છે. આગામી સમયમાં તેમની સંખ્યા વધારીને વન્ય અને પર્યાવરણ મંત્રાલયની મંજૂરી લઈને તેઓને આંદમાન-નિકોબારના જંગલોમાં છોડી દેવાશે.

આવી રહ્યા છે. આ કબૂતરોને આંદમાન-નિકોબારના પ્રાણી સંગ્રહાલયમાં આપવા તેમજ ત્યાંના જંગલોમાં છોડી દેવામાં આવશે. નોંધપાત્ર છે કે હંદરાબારના પ્રાણીસંગ્રહાલયોમાંથી ફક્ત કાંકરીયા ઝૂમાં જ આ કબૂતરોને વાતાવરણ અનુકૂળ આવે છે. હાલમાં વન્ય પ્રાણી સપ્તાહની ઉજવણી જોરજોરથી ચાલી રહી છે. ત્યારે

લુપ્ત થવાની અણી પર જ આવી ગયા છે. આ અંગે કાંકરીયા પ્રાણી સંગ્રહાલયના સુપ્રિટેન્ડેન્ટ આર.કે.શાહુના જણાવ્યા મુજબ એક હજારથી પણ ઓછી સંખ્યામાં આ કબૂતરો બચ્યા છે. દેખાવે સામાન્ય કબૂતરોની તુલનામાં મોટા કદના લાગતા અને શરીર પર મિસ કલરના કારણે ખૂબજ દેખાવડા લાગતા આ

વિશેષ પ્રકારના ત્રણ પાંજરા બાનાવ્યા છે. આ કબૂતરોની જરૂરીયાત મુજબની તમામ વ્યવસ્થાઓ કરાઈ છે. તે દર વર્ષે પાંચથી છ ઈંડા આપતા હોય છે. હાલમાં આ પ્રકારના કુલ ૩૦ કબૂતરો છે. આગામી દિવસોમાં બે મોટા પાંજરાઓમાં આ કબૂતરોને શિફ્ટ કરીને તેઓને એકબીજાના નજીક લાવીને સંખ્યા વધારવાનો પ્રયાસ કરાશે.

**કાંકરિયા ઝૂમાં આ કબૂતરોના સંરક્ષણના થતા પ્રયાસો, ૩૦ કબૂતરો ઉછેરવામાં સફળતા મળી**

૦૬/૦૨/૦૯ ૨૫૨૫૫૫૫૫  
તા. ૨-૧૦-૨૦૧૯

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

As per CZA permission Ahmedabad Zoo and Rajkot zoo have exchanged animals on Dt.03.11.17 to Dt. 04/11/17 for new animal collection and conservation breeding.

A. Animals arriving in the Zoo					
H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
Lion Section	Asiatic Lioness	0 : 1	Rajkot Zoo	04.11.2017	
Tiger Section	White Tigress	0 : 1	Rajkot Zoo	04.11.2017	
B. Animals going from the zoo					
H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	
Birds Section	Parakeet Alexandrine	3 : 3	Rajkot Zoo	03.11.2017	
Birds Section	Heron Night	5 : 5	Rajkot Zoo	03.11.2017	
Birds Section	Ibis White	3 : 3	Rajkot Zoo	03.11.2017	
Birds Section	Parakeet Rosering	3 : 3	Rajkot Zoo	03.11.2017	
Birds Section	Pelican Rosy	2 : 2	Rajkot Zoo	03.11.2017	
Birds Section	Cockatiel	15 : 15	Rajkot Zoo	03.11.2017	
Birds Section	Cormorant Little	3 : 3	Rajkot Zoo	03.11.2017	
Reptile House	Cobra Indian	1 : 1	Rajkot Zoo	03.11.2017	
Reptile House	Snake Keelback checkered	2 : 2	Rajkot Zoo	03.11.2017	
Reptile House	Python Indian rock	2 : 2	Rajkot Zoo	03.11.2017	

**25. Rescue and Rehabilitation of wild animals carried out by the Zoo**

Sl.No.	Date of Rescue	Species with number of animals rescued with their sex (M: F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat

## 26. Annual Inventory of animals

### Endangered Species\*

S. No	Animal Name	Scientific name	Opening Stock as on Dt.01.04.17				Births			Acquisition			Disposal			Death			Closing Stock as on Dt.31.03.18			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Bear Himalayan	<i>Ursus thibetanus</i>	1	1	0	02													1	1	0	02
2	Black Buck	<i>Antilope cervicapra</i>	3	3	0	06										1	1	0	2	2	0	04
3	Cat Jungle	<i>Felis chaus</i>	1	0	0	01													1	0	0	01
4	Civet Common Palm	<i>Paradoxurus Hermaphroditus</i>	5	1	0	06										1	0	0	4	1	0	05
5	Elephant Indian	<i>Elaphus maximus</i>	0	1	0	01													0	1	0	01
6	Jackal	<i>Canis aureus</i>	5	14	0	19	0	0	3							1	2	0	4	15	0	19
7	Langur Common	<i>Semnopithecus entellus</i>	20	6	0	26	0	1	1							0	1	0	20	7	0	27
8	Leopard/Panther	<i>Panthera pardus</i>	1	3	0	04										0	1	0	1	2	0	03
9	Lion Indian	<i>Panthera leo persica</i>	1	1	0	02				0	1	0							1	2	0	03
10	Macaque Bonnet	<i>Macaca radiata</i>	6	1	0	07													6	1	0	07
11	Macaque Rhesus	<i>Macaca mulatta</i>	18	16	4	38	0	0	4							2	2	0	20	18	0	38
12	Otter Common	<i>Lutrogale perspicillata</i>	1	1	0	02													1	1	0	02
13	Porcupine Bengal	<i>Atherurus macrourus</i>	0	0	75	75	0	0	2							1	0	0	0	0	76	76
14	Tiger Bengal	<i>Panthera tigris tigris</i>	1	1	0	02													1	1	0	02
15	Tiger Bengal	<i>Panthera tigris</i>	0	0	0	00				0	1	0							0	1	0	01

	(White)	<i>tigris</i>																				
16	Peafowl	<i>Pavo cristatus</i>	6	20	0	26	0	0	3							1	2	0	6	20	0	26
17	Peafowl White	<i>Pavo cristatus</i>	2	3	0	05	0	0	2							2	1	0	0	2	2	04
18	Pigeon Nicobar	<i>Caloenas nicobarica</i>	0	0	29	29	0	0	2							1	0	0	0	0	30	30
19	Spoonbill White	<i>Platalea leucorodia</i>	0	0	25	25	0	0	2										0	0	27	27
20	Vulture White Backed-Bengal	<i>Gyps bengalensis</i>	0	0	8	08													0	0	8	08
21	Kite	<i>Milvus migrans govinda</i>	0	0	1	01													0	0	1	01
22	Cobra Indian	<i>Naja naja</i>	0	0	17	17							1	1	0				0	0	15	15
23	Crocodile Long Snouted - Gharial	<i>Gavialis gangeticus</i>	0	0	3	03													0	0	3	03
24	Crocodile Marsh	<i>Crocodylus palustris</i>	0	0	11	11										0	2	0	0	0	9	09
25	Crocodile Salt Water	<i>Crocodylus porosus</i>	2	1	0	03													2	1	0	03
26	Monitor Lizards / Common Indian	<i>Varanus bengalensis</i>	1	2	0	03													1	2	0	03
27	Python Indian – Rock	<i>Python molurus</i>	12	11	0	23	0	0	16				2	2	0				19	16	0	35
28	Snake Russels Viper	<i>Daboia russelii</i>	0	0	3	03													0	0	3	03
29	Snake Keelback Checkered	<i>Xenochrophis piscator</i>	0	0	8	08	0	0	1				2	2	0				0	0	5	05
30	Snake Rat /	<i>Ptyas mucosus</i>	0	0	5	05													0	0	5	05

		Total of Endangered Species	86	86	189	361	0	1	36	0	2	0	5	5	0	10	12	0	90	94	184	368
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\*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Part – B Other than Endangered Species

S. No	Animal Name	Scientific name	Opening Stock as on Dt.01.04.17				Births			Acquisition			Disposal			Death			Closing Stock as on Dt.31.03.18			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Deer Hog	<i>Axis porcinus</i>	22	28	5	55	0	0	7							1	1	0	26	34	0	60
2	Deer sambar	<i>Rusa unicolor</i>	2	4	0	06	1	0	0							1	0	0	2	4	0	06
3	Deer Spotted	<i>Axis axis</i>	52	81	4	137	0	0	29				5	13	0	2	3	0	56	87	0	143
4	Fox Flying	<i>Pteropus giganteus</i>	0	0	11	11	0	0	1										0	0	12	12
5	Hippopotamus	<i>Hippopotamus amphibius</i>	1	1	0	02													1	1	0	02
6	Hyena Stripped	<i>Hyaena hyaena</i>	0	1	0	01													0	1	0	01
7	Nilgai - Bluebull	<i>Boselaphus tragocamelus</i>	4	5	0	09										1	0	0	3	5	0	08
8	Babbler Common	<i>Turdoides caudatus</i>	0	0	2	02										0	1	0	0	0	1	01
9	Budgeriger	<i>Melopsittacus undulatus</i>	0	0	277	277	0	0	75							0	0	17	0	0	335	335
10	Cassowary	<i>Casuarius casuarius</i>	1	0	0	01													1	0	0	01
11	Cockatiel	<i>Nymphicus hollandicus</i>	0	0	280	280	0	0	35				15	15	0	2	0	9	0	0	274	274
12	Cockatoo	<i>Cacatua goffini</i>	0	0	6	06													0	0	6	06
13	Connure Brown	<i>Pyrrhura</i>	0	0	1	01													0	0	1	01

	Eared	<i>calliptera</i>																				
14	Connure Patagonian	<i>Cyanoliseus patagonus</i>	4	1	0	05										1	0	0	3	1	0	04
15	Connure Green Cheeked	<i>Pyrrhura molinae molinae</i>	0	0	0	0				2	2	0							2	2	0	04
16	Connure Yellow Sided	<i>Pyrrhura molinae molinae</i>	0	0	0	0				2	2	0							2	2	0	04
17	Cormorant Little	<i>Phalacrocorax niger</i>	0	0	15	15	0	0	2				3	3	0				0	0	11	11
18	Crane Crowned	<i>Balearica pavonina</i>	0	2	0	02													0	2	0	02
19	Dove Rufous Turtle	<i>Streptopelia orientalis</i>	0	0	20	20	0	0	2							0	1	0	0	0	21	21
20	Duck Comb	<i>Sarkidiornis melanotos</i>	0	0	20	20	0	0	7							2	6	0	0	0	19	19
21	Egrets	<i>Egretta garzetta</i>	0	0	12	12													0	0	12	12
22	Emu	<i>Dromaius novaehollandiae</i>	0	0	9	09										1	0	0	0	0	8	08
23	Finches	<i>Chloebia</i>	0	0	4	04													0	0	4	04
24	Flamingo	<i>Phoenicopterus roseus</i>	0	0	8	08										1	5	0	0	0	2	02
25	Goose Grey leg	<i>Anser anser</i>	0	0	5	05													0	0	5	05
26	Heron Indian Reef	<i>Egretta gularis</i>	0	0	1	01													0	0	1	01
27	Heron Night	<i>Nycticorax nycticorax</i>	0	0	46	46	0	0	4				5	5	0	0	0	2	0	0	38	38
28	Ibis black	<i>Pseudibis papillosa</i>	0	0	1	01													0	0	1	01
29	Ibis White	<i>Threskiornis melanocephalus</i>	0	0	34	34	0	0	2				3	3	0				0	0	30	30

30	Koel	<i>Eudynamys scolopacea</i>	0	0	3	03												0	0	3	03
31	Lapwing Red Wattled	<i>Vanellus indicus</i>	0	0	3	03								1	0	0	0	0	0	2	02
32	Lorry chattering	<i>Eos rubra</i>	1	0	0	01			1	1	0			1	0	0	1	1	0	02	
33	Lorry Red/ Molucan	<i>Lorius</i>	0	1	0	01								0	1	0	0	0	0	00	
34	Lovebirds	<i>Agapornis</i>	0	0	129	129	0	0	16					0	0	21	0	0	124	124	
35	Myna Common	<i>Acridotheres tristis</i>	0	0	4	04											0	0	4	04	
36	Parakeet African grey	<i>Psittacus erithacus</i>	0	0	3	03											0	0	3	03	
37	Parakeet Alexandrine	<i>Psittacula eupatria</i>	0	0	50	50	0	0	6			3	3	0	5	1	0	0	0	44	44
38	Parakeet Blossom Headed	<i>Psittacula cyanocephala</i>	0	0	6	06											0	0	6	06	
39	Parakeet Rose Breasted	<i>Psittacula alexandri</i>	13	4	0	17	0	0	2					4	0	0	0	0	15	15	
40	Parakeet Rose Ring	<i>Psittacula krameri</i>	0	0	77	77	0	0	1			3	3	0			0	0	72	72	
41	Partridge Grey	<i>Francolinus pondicerianus</i>	1	0	0	01											1	0	0	01	
42	Pelican Rosy	<i>Pelecanus onocrotalus</i>	0	0	38	38	0	0	2			2	2	0			0	0	36	36	
43	Pheasant Golden	<i>Chrysolophus pictus</i>	2	2	0	04			2	2	0						4	4	0	08	
44	Pheasant Silver	<i>Lophura nycthemera</i>	2	1	0	03											2	1	0	03	
45	Pigeon Crowned	<i>Goura cristata</i>	3	1	0	04											3	1	0	04	
46	Pigeon Pied Imperial	<i>Ducula bicolor</i>	1	1	0	02											1	1	0	02	

47	Rosella Eastern	<i>Platycercus eximius</i>	1	1	0	02												1	1	0	02	
48	Sparrow Java	<i>Padda oryzivora</i>	0	0	51	51	0	0	2							0	0	8	0	0	45	45
49	Stork Adjutant	<i>Leptoptilos dubius</i>	0	0	1	01												0	0	1	01	
50	Stork Painted	<i>Mycteria leucocephala</i>	0	0	5	05												0	0	5	05	
51	Stork White Neck	<i>Ciconia episcopus</i>	0	0	1	01												0	0	1	01	
52	Weaver Bird	<i>Ploceus philippinus</i>	0	0	1	01												0	0	1	01	
53	Krait	<i>Bungarus caeruleus</i>	0	0	2	02												0	0	2	02	
54	Boa Johns	<i>Eryx johnii</i>	0	0	3	03												0	0	3	03	
55	Boa Russels	<i>Gongylophis conicus</i>	0	0	5	05												0	0	5	05	
56	Snake Trinket	<i>Coelognathus helena</i>	0	0	1	01												0	0	1	01	
57	Tortoise Indian Star	<i>Geochelone elegans</i>	0	0	76	76	0	0	6									0	0	82	82	
58	Turtle	<i>Lissemys punctata &amp; Trachemys scripta elegans</i>	0	0	40	40	0	0	8									0	0	48	48	
59	Green Anaconda	<i>Eunectes murinus</i>	2	2	0	04												2	2	0	04	
		Total of other than Endangered Species	11 2	13 6	126 0	150 8	1	0	207	7	7	0	39	47	0	23	1 9	57	11 1	15 0	128 4	154 5
		Grand Total	19 8	22 2	144 9	186 9	1	1	243	7	9	0	44	52	0	33	3 1	57	20 1	24 4	146 8	191 3

## 27. Mortality of animals

### Summary of Death during 2017-2018

Kamla Nehru Zoological Garden, Kankaria, Ahmedabad.

<b>Sr. No.</b>	<b>Name of Species</b>	<b>Date</b>	<b>No.</b>	<b>Cause of Death</b>
<b>Mammals</b>				
1	Black Buck White (M)	08/04/17	1	Old age with Renal failure
2	Black Buck Common (F)	01/10/17	1	Shock, Cardiac arrest
3	Civet Common Palm (M)	14/03/18	1	Old age
4	Jackal (F)	08/09/17	1	Old age
5	Jackal (F)	08/11/17	1	Old age
6	Jackal (M)	03/01/18	1	Old age
7	Langur Common (F)	18/09/17	1	Old age
8	Leopard-Urvashi (F)	19/04/17	1	Old age with mild Pyometra
9	Macaque Rhesus (F)	30/05/17	1	Old age with heat stress
10	Macaque Rhesus (M)	31/07/17	1	Old age
11	Macaque Rhesus (M)	26/11/17	1	Old age
12	Macaque Rhesus (F)	14/12/17	1	Old age
13	Porcupine Bengal (M)	24/01/18	1	Old age
14	Deer Hog (F)	31/10/17	1	Old age
15	Deer Hog (M)	06/01/18	1	Old age

16	Deer Sambar (M)	22/04/17	1	Old age
17	Deer Spotted (F)	07/05/17	1	Old age & Multiple abscess
18	Deer Spotted (F)	20/06/17	1	Old age
19	Deer Spotted (M)	17/10/17	1	Old age
20	Deer Spotted (F)	24/10/17	1	Old age
21	Deer Spotted (M)	23/11/17	1	Old age
22	Nilgai (M)	21/12/17	1	Old age
	<b>Total Mammals</b>		<b>22</b>	
<b>Birds</b>				
1	Peafowl (F)	19/09/17	1	Egg bound condition
2	Peafowl (M)	27/09/17	1	Old age
3	Peafowl (F)	06/11/17	1	Old age
4	Nicobar Pigeon (M)	10/11/17	1	Old age
5	Babbler Common (F)	18/04/17	1	Old age
6	Budgerigar	Diff. Date	17	E.Stress, Died in nest, Old age
7	Cockatiel	Diff. Date	11	E.Stress, Died in nest, Old age
8	Connure Patagonian (M)	30/03/18	1	Old age
9	Dove Rufous Turtle (F)	27/01/18	1	Old age
10	Duck Comb (F)	07/04/17	1	Liver Failure
11	Duck Comb (F)	11/05/17	1	Old age
12	Duck Comb (M)	27/06/17	1	E. Stress
13	Duck Comb (F)	10/07/17	1	Old age with Hepatitis

14	Duck Comb (M)	03/09/17	1	Infighting
15	Duck Comb (F)	03/10/17	1	Old age
16	Duck Comb (F)	14/10/17	1	Old age
17	Duck Comb (F)	20/12/17	1	Old age
18	Emu (M)	23/06/17	1	Infighting
19	Flamingo (F)	07/04/17	1	Old age with Hepatic failure
20	Flamingo (F)	05/08/17	1	Old age
21	Flamingo (F)	17/08/17	1	Old age
22	Flamingo (F)	18/09/17	1	Old age
23	Flamingo (M)	27/10/17	1	Old age
24	Flamingo (F)	26/02/18	1	Old age
25	Heron Night	12/11/17	1	E. Stress
26	Heron Night	02/12/17	1	Old age
27	Lapwing Red Wattled (M)	17/01/18	1	Old age
28	Lorry Chattering (M)	12/06/17	1	Old age with Hepatic failure
29	Love Birds	Diff. Date	21	E.Stress, Died in nest, Old age
30	Parakeet Alexandrine (M)	14/04/17	1	Infighting with Old age
31	Parakeet Alexandrine (M)	26/06/17	1	Old age
32	Parakeet Alexandrine (M)	13/07/17	1	Old age with Hepatic and Renal failure
33	Parakeet Alexandrine (M)	03/08/17	1	Old age
34	Parakeet Alexandrine (M)	25/08/17	1	Coccidiosis
35	Parakeet Alexandrine (F)	22/03/18	1	Old age
36	Parakeet Rose Breasted (M)	24/04/17	1	Old age
37	Parakeet Rose Breasted (M)	15/08/17	1	Old age

38	Parakeet Rose Breasted (M)	17/02/18	1	E. Stress
39	Parakeet Rose Breasted (M)	03/03/18	1	Old age
40	Peafowl White (F)	01/11/17	1	Old age
41	Peafowl White (M)	13/11/17	1	Old age
42	Peafowl White (M)	21/12/17	1	Old age
43	Sparrow Java	Diff. Date	08	E.Stress, Died in nest, Old age
44	Lorry Red (F)	26/01/18	1	Old age
	<b>Total Birds</b>		<b>97</b>	
<b>Reptiles</b>				
1	Mugger Marsh (F)	02/09/17	1	Old age
2	Mugger Marsh (F)	19/01/18	1	Old age
	<b>Total Reptiles</b>		<b>02</b>	
	<b>Grand Total Animals</b>		<b>121</b>	

**28. Compliance with conditions stipulated by the Central Zoo Authority**

<b>Sr. No</b>	<b>Norm No. under RZR, 2009</b>	<b>Condition Stipulated</b>	<b>Time Period to Comply</b>	<b>Since when pending</b>	<b>Status with regard to compliance of the conditions</b>
<b>1. General Requirements</b>					
1.	1.4	Appropriate barrier be provided at enclosures for Lion and Spotted deer in order to avoid disturbance from traffic on road passing adjacent to enclosures.	Six months	07.06.2016	Under Process
<b>4. Animal housing, display of animals and animal enclosures</b>					
2.	4.5	Enclosure for monkey to be modified as per norms prescribed by the Central Zoo Authority.	One year	07.06.2016	Design prepared sending to CZA for approval
<b>6. Veterinary and infrastructure facility</b>					
3.	6.3	The Post of Lab Assistant at the zoo be filled up by a qualified person.	Six months	07.06.2016	Under Process
<b>7. Postmortem and disposal of carcass of animals</b>					
4.	7.1 & 7.4	1. Post Mortem room should be attached with a small room with wash basin and	Six months	07.06.2016	done

		bathing facility for the VS to change cloths as well as to take bath after completion of post mortem.  2.Installation of Incinerator should be completed.			Machine procured, civil work is going on
<b>9. Acquisition and breeding of animals</b>					
5.	9.4	Jungle cat housed singly at the zoo be paired.	One year	07.06.2016	We are corresponding with other zoo.
6.	9.6	Conservation breeding of Nicobar pigeon and Smooth Indian otter as a participating zoo. In case of Nicobar pigeon this may be taken up with Andaman Forest department.	One year	07.06.2016	We are corresponding with Andaman forest department for conservation breeding of Nicobar pigeon.  We have acquired male otter from Surat Zoo
<b>10. Research activities</b>					
7	10.1	Zoo should implement the research Plan as per approved Master Plan.	One year	07.06.2016	We have done in Nocturnal Animal House

**29. List of free living wild animals within the zoo premises**

<b>Sr. No.</b>	<b>Name of the Species</b>
1	Little Cormorant
2	Little Egret
3	Cattle Egret
4	Pond Heron
5	Painted Stork
6	White Ibis
7	Black Ibis
8	Spoonbill
9	Kite Black
10	Shikra
11	Indian Peafowl
12	Water Hen white breasted
13	Partridge Grey
14	Blue Rock Pigeon
15	Langur Common
16	Red Turtle Dove
17	Ring Dove
18	Rose-ringed Parakeet
19	Indian Cuckoo
20	Asian Koel
21	Crow Pheasant
22	Spotted Owlet

23	White breasted Kingfisher
24	Small Blue Kingfisher
25	Small Bee eater
26	Indian Roller
27	Common Hoopoe
28	Lesser Golden backed Wood Pecker
29	Yellow fronted pied Wood Pecker
30	Black Drongo
31	Myna Brahminy
32	Rosy starling
33	Indian Myna
34	Bank Myna
35	House crow
36	Jungle Crow
37	Red vented Bulbul
38	Common Babbler
39	Jungle Babbler
40	Tailor Bird
41	Magpie-Robin
42	Indian Robin
43	White Wagtail
44	Yellow Wagtail
45	Purple Sunbird
46	House Sparrow