

*Kamla Nehru Zoological Garden,
Kankaria, Ahmedabad*

*Annual Report
2019-20*



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Director's Report

The annual period of 2019-2020 has been highly unprecedented with a lot of ups and downs. Once again humanity has been reminded of the power possessed by natural forces which has brought the progressing world to a standstill. During this period, Ahmedabad Zoo has organised several events to create wildlife awareness amongst people and also to motivate the younger generation to participate in wildlife conservation activities.

Ahmedabad Zoo conducted a one-day Heronry Workshop on 6th October 2019 in which more than a hundred participants. During this workshop, the participants counted nests of different species of birds along with their chicks on zoo trees. The highlight of this workshop was the discovery of Grey HornBill on zoo tree for the very first time.

Ahmedabad Zoo also celebrated wildlife week in the first week of October 2019 and Animal Welfare Fortnight from 14th January to 30th January 2020. During these events, students upto the age of 12 were allowed free entry in order to motivate them towards wildlife conservation activities. These activities included lectures, touch table, zoo guide and keeper talk which kept the children entertained whilst also imparting crucial educational information to them.

In a first, the Wildlife Institute of India with the grant of CZA and in cooperation with Ahmedabad Zoo launched a certification course on 'Green Skill Development Programme in Nature Interpretation' with an aim of increasing the employment rate in the youth. This course had been conducted from 1/12/2019 to 9/12/2019. This program will also help in conservation education programs and give proper guidance to visitors.

Due to the current situation of COVID-19, Ahmedabad Zoo is taking special care of its wildlife. The Zoo will comply with all the health guidelines provided by the Government of India, CZA and WAZA. Currently, we are working towards creating a concept which would allow virtual presence of the Zoo to children and interested people.

Dr R.K. Sahu
Director of Ahmedabad Zoo

1. History of the Zoo

Established in 1951, Kamla Nehru Zoological Garden is situated on the outer periphery of Kankaria Lake which at that time was spread over 31 acres. This Zoo was established under the guidance of the Ahmedabad Municipal Corporation and Padma Shri Rueben David was appointed as its first Superintendent. In 1970, a new concept of the modern zoo was launched according to which open-moated enclosures were to be constructed. However, due to the limitations of area and other constraints, Ahmedabad Zoo was unable to meet the requirements for the Modern-Zoo concept.

From 1951 to 1990 Indian zoos were not having any centrally controlled authority, norms, policies. However, the Central Zoo Authority (CZA) was established in 1992 which was followed by the creation of National Zoo Policies in 1998.

In 1990, Dr R.K Sahu joined as the full-time in charge of the Zoo. In 1995, Ahmedabad Zoo constructed its first open-moated tiger enclosure under the guidance of Dr R.K. Sahu who was the Zoo Superintendent at that time. Afterwards, an open-moated lion enclosure (2000), open-moated bear enclosure (2003), Reptile house (2009), Butterfly Park (2012) and the latest innovation Nocturnal Zoo (2017) was established under his guidance.

In 1992 when CZA was constituted and they started evaluating Indian Zoos, the zoos were classified as Large, Medium, Small and Mini Zoos respectively. But due to the effort and implementation of a new concept, Ahmedabad Zoo achieved the large zoo category certification. All surroundings of Kankaria Lake including gardens etc. were merged under the Zoo department for its development. This resulted in an increased area of the zoo from 31 acres to 117 acres in 2012. This resulted in the development of Butterfly Park and Nocturnal Zoo

More than 20 lakh visitors visit every year and this number is growing. Within its confines it houses some of the rare species of the mammals, birds and reptiles, What sets it apart from other Zoological gardens is the personal touch by the devoted zoo staff under the able guidance of the Director of Zoo and continued support of the Ahmedabad Municipal Corporation making it a home away from the home for its residents.

The Kamla Nehru Zoological Garden was started with the purpose of Recreation until 1990. After the constitution of Central Zoo Authority in 1992, the main are:

- I. Conservation of endangered species
- II. Education
- III. Research

2. 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.”

3. Mission

Ahmedabad Zoo is one of the old zoo started in 1951, Almost all enclosures are of outdated design and are 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 implement it up to 2022.

4. Objective

The Kamla Nehru Zoological Garden was started with the purpose of Recreation but now our main aim is conservation of endangered species by breeding them in captivity. We aim to save the endangered species from extinction. Also, we want to conduct Educational Research activities. 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.

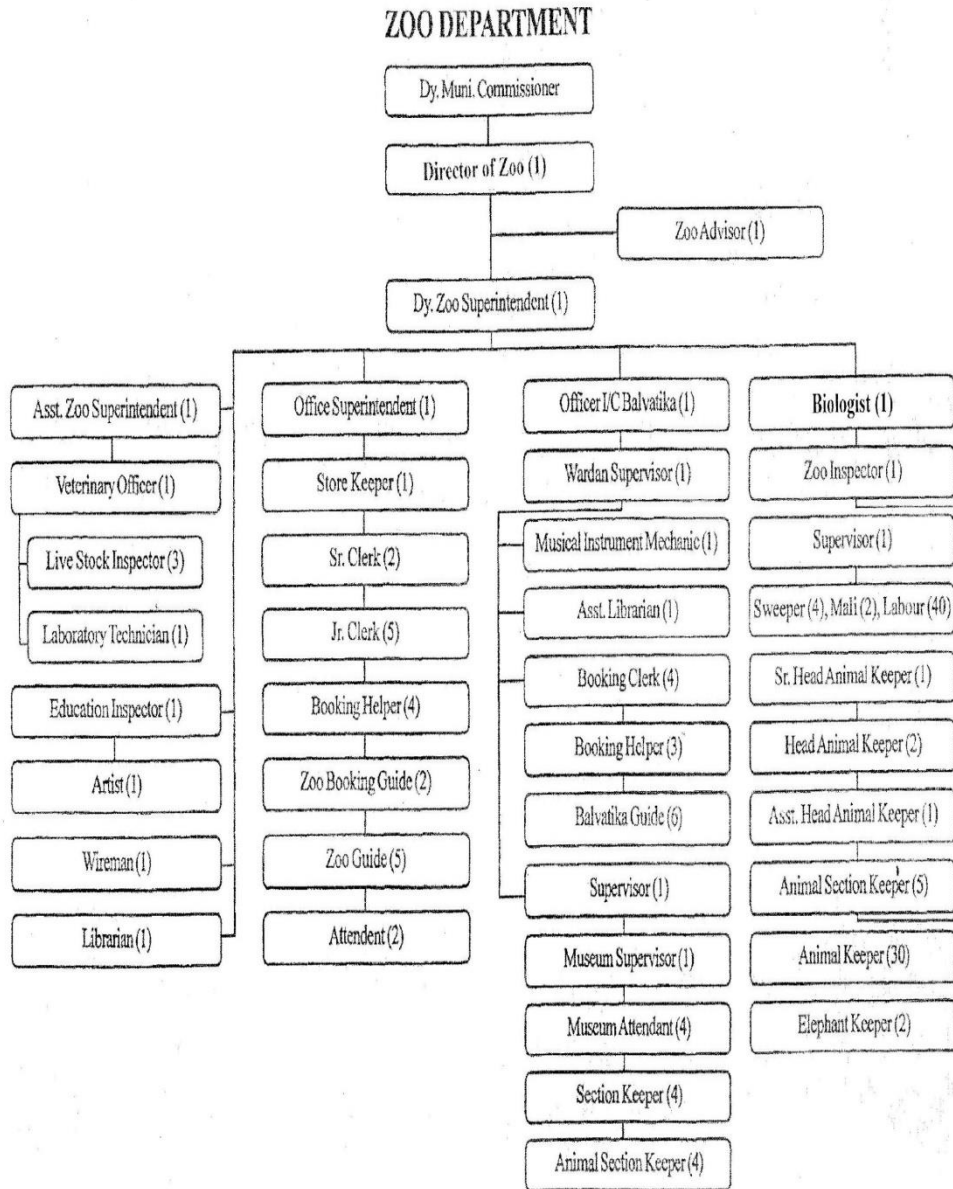
5. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Kamala Nehru Zoological Garden, Ahmedabad (Gujarat)
2	Year of Establishment	1951
3	Address of the Zoo	Kamala Nehru Zoological Garden, Kankaria, Ahmedabad – 380 008, Gujarat
4	State	Gujarat
5	Telephone Number	+91-79-25463415

6	Fax Number	+91-79-25463818/25350926
7	E-mail address	kankaria@ahmedabadzoo.in
8	Website	www.ahmedabadzoo.in/
9	Distance from nearest	Airport: 12 Km
		Railway Station: 04 Km
		Bus Stand: 02 Km
10	Recognition Valid up to (Date)	08.06.2019
11	Category of zoo	Large Zoo
12	Area (in Hectares)	117 acre
13	Number of Visitors (Financial Year)	Adult : 23, 67, 603
		Children : 8, 68, 857
		Total Indian : 32, 36, 460
		Total Foreigners : 258
		Total Visitors: 32, 36, 718
14	Visitors' Facilities Available in Zoo	Washroom, Drinking water, First aid, Wheel chair, Dom and Resting area, Anti venom serum, Library, Information Centre.
15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Dr. R. K. Sahu, Director of Zoo

	Name of the Curator / Asst. Zoo Superintendent	Bharatsinh P. Vihol
	Name of the Veterinary Officer	Dr. Sharva Shah (Contract Base)
	Name of the Biologist	In Charge
	Name of the Education Officer	Bharatsinh P. Vihol
	Name of the Compounder/ Lab Assistant	Rakeshkumar C. Patel (On deputation) Akram Shaikh (Contract Base) Harshad Bhagora (Contract Base)
Owner / Operator of the Zoo		
17	*Name of the Operator	Ahmedabad Municipal Corporation
18	Address of the Operator	Ahmedabad Municipal Corporation, Sardar Patel Bhavan Danapeeth, Ahmedabad-380001
19	Contact details/Phone number of Operator	+91-79-25391811, 25353818,25352828
20	E-mail address of Operator	mc@ahmedabadcity.gov.in

6. Organizational Chart



7. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Director of Zoo	1	1
2	Deputy Zoo Superintendent	1	0
3	In charge 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	In charge
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	3
19	Head Animal keeper	2	1
20	Assistant Head Animal keeper	1	1 (Contract base)

21	Senior Mali	2	0
22	Assistant Elephant cum Animal keeper	1	0
23	Sweeper	2	1
24	Zoo Advisor	1	0
25	Zoo Artist	1	0
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	0
34	Animal Keeper	30	14 Regular 18 Contract basis
35	Assistant Elephant cum Animal keeper	1	0
36	Zoo Guide	5	2
37	Balvatika Guide	6	2
38	Museum Attendant	4	0
39	Muni. Attendant	2	0
40	Garden Labourer/Majur	40	37
41	Booking Helper	7	6
42	Sweeper	2	33 Contract basis
	Total	156	133

8. Capacity Building of Zoo personnel

Sl.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Mr. Ajmalkhan M. Pathan, Animal Keeper and Mr. Ashok P. Patel Animal Keeper	Capacity building of workshop for Zoo Keepers on Husbandry and Management of Reptiles in zoos.	25 th to 27 th June - 2019	The Sundervan Nature Discovery Centre, Ahmedabad in Collaboration with Kamala Nehru Zoological Garden, Ahmedabad.
2	Mr. Sameer Ahemad Z. Abbasi, Mr. Rajendrasih R. Jadeja, Mr. Govind K. Chauhan, Mr. Bhupendra B. Rajput, Animal Keepers (On cotract base)	Green Skill Development Programme – Certificate course in Nature Interpretation for Large Zoo and Safari Park.	30 th November to 9 th December - 2019	Wildlife Institute of India, Dehradun in Collaboration with Kamala Nehru Zoological Garden, Ahmedabad.

9.

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)

10. 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.

11. 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>
<i>2017-18</i>	<i>30005905</i>	<i>9091790</i>	<i>1300786</i>	<i>1364490</i>	<i>13012598</i>	<i>54775569</i>
<i>2018-19</i>	<i>15871590</i>	<i>39256340</i>	<i>1027907</i>	<i>1367895</i>	<i>13010954</i>	<i>70534686</i>
<i>2019-20</i>	<i>13046420</i>	<i>44802000</i>	<i>747490</i>	<i>1075150</i>	<i>12312337</i>	<i>71983397</i>

Zoo Department Nos. of Visitors

<i>Year</i>	<i>Zoo</i>	<i>Nocturnal Zoo</i>	<i>Balvatika & N.H.Museum</i>	<i>Butterfly Park</i>	<i>Total</i>
<i>2017-18</i>	<i>1791259</i>	<i>247442</i>	<i>677355</i>	<i>150137</i>	<i>2866193</i>
<i>2018-19</i>	<i>1831314</i>	<i>913522</i>	<i>381195</i>	<i>150269</i>	<i>3276300</i>
<i>2019-20</i>	<i>1795095</i>	<i>1044600</i>	<i>277163</i>	<i>119860</i>	<i>3236718</i>

Zoo Department Expenditure in Rs.

<i>Year</i>	<i>Revenue</i>	<i>Capital</i>	<i>Total</i>
<i>2017-18</i>	<i>7,14,17,000</i>	<i>3,23,03,000</i>	<i>10,97,20,000</i>
<i>2018-19</i>	<i>8,71,43,000</i>	<i>2,00,00,000</i>	<i>10,71,43,000</i>
<i>2019-20</i>	<i>7,99,01,000</i>	<i>2,00,00,000</i>	<i>9,99,01,000</i>

Special Visitors

FRIDAY 26 APRIL 2019

AHMEDABAD IS TALKING ABOUT.

Actors Kinjal & Yash at India's first nocturnal zoo at Kankaria



Deepali.Chhatwani@timesgroup.com

When Kinjal Rajpriya and Yash Soni walked into Kankaria's nocturnal zoo at broad daylight, it seemed like a completely different time zone. Kinjal and Yash couldn't contain their excitement as they walked into the caves amid the chirping of the birds.

THE JOURNEY OF THE NOCTURNAL ZOO

Talking about its unique journey since its inception, Dr RK Sahu, the director of the zoo, said that the two-storey zoo was "proposed to create a night-like atmosphere for the animals that sleep during the day." The tour started off with a seven minute documentary describing the concept of the nocturnal zoo. Animals like hedgehog, jungle cat, striped hyena, common palm civet, and porcupine were shifted to the nocturnal zoo as the visitors used to be disappointed to see them inactive during day. The zoo is made up of the sand that lowers the temperature during summer and keeps it warm for the animals during winters. The aeration facility is geothermal, introduced for the first time in India for both animals and visitors.

As they soaked in this unique experience, Kinjal said, "I've been

to this zoo a couple of times, but had no idea about this exciting concept. That these animals active and happy at night was an eye-opener for me." Yash said, "I have seen these nocturnal birds and animals in videos and documentaries; for the first time I experienced their activities in person. I like the way they are kept in their comfort zone and look happy and healthy here." Adding to this conversation, Sahu said, "We have built the nocturnal zoo in a way that they (the animals and birds) have the basic needs addressed - from fresh air to breathe in and accessories that they like to spend time with. We have changed their routine. Earlier the nocturnal animals used to eat in the morning and sleep for the entire day followed by another meal in the evening, but after being shifted to the nocturnal zoo, they are leading a healthier life in sync with their biological clock."

BEATING THE CHALLENGES

"The challenges are many," said Sahu. Ask him to elaborate and he says, "The first challenge was to come up with the design of the zoo as it is the only nocturnal zoo of India. A lot of research was done just to understand the design.

Another challenge was to acclimatize these animals according to the concept of nocturnal zoo. We had to shift the nocturnal animals from our regular zoo to this zoo." He adds, "Initially the government had invested ₹17 crore in building this nocturnal zoo. We had

proposed that we would earn ₹2 crore per annum and we have earned more than ₹3 crore which makes us happy. The increase in revenue shows that people are interested in visiting the zoo and enjoying this unique experience."

The Ahmedabad Municipal Commission (AMC) plays an important role in keeping the zoo clean. Vijay Nehra, AMC Commissioner, says, "For us more than the revenue, it is important to see the citizens having a good time at the nocturnal zoo. In addition to the riverfront and Kankaria Lake front, this concept has been developed as a recreation spot."

As to who takes care of the zoo, the authorities maintained, "We have trained some people and hired students and trained them."



Kinjal Rajpriya and Yash Soni at the nocturnal zoo at Kankaria

12. Daily feeding Schedule of animals

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
MAMMALS					
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% less 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% less than winter	NIL
3	Jungle Cat	Chicken/Buffalo Meat	800-1000 gms	10% less 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% less 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 and bark of	5% less than winter	NIL

			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% less 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% less 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% less than winter	NIL
12	Otter	Fish, Carrot twice a day	2-2.5 kg and 2 pieces	5% less than winter	NIL
13	Porcupine Bengal	Pulses, Math, Grams, Seasonal Fruits and Vegetables twice a day	100-150 gms. 500-700 gms.	5% less 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(gra m pieces, maize pieces, groundnut cake, cattle feed), Dry hay, Green	600-900 gms, 2-5 kg	5% less than winter	NIL

		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% less 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% less than winter	NIL
19	Flying fox	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% less 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% less than winter	NIL
REPTILES					
1	Cobra Indian	Poultry chicks once in a week	As per requirements	As per requireme	---

				nts	
2	Crocodile Long Snouted/ Gharial	Buffalo Meat twice a week	2-5 kg	2-5 kg	---
3	Crocodile Marsh (Mugger)	Buffalo Meat twice a week	2-5 kg	2-5 kg	---
4	Crocodile Saltwater	Buffalo Meat twice a week	2-5 kg	2-5 kg	---
5	Monitor Lizard/Common Indian	Poultry chicks once in a week	As per requirements	As per requirements	---
6	Indian Python Rock	Hen or Rabbit once in a week	As per requirements	As per requirements	---
7	Snake Russell's Viper	Poultry chicks once in a week	As per requirements	As per requirements	---
8	Snake Keelback Checkered	Poultry chicks once in a week	As per requirements	As per requirements	---
9	Snake Rat/Dhaman	Poultry chicks once in a week	As per requirements	As per requirements	---
10	Krait	Poultry chicks once in a week	As per requirements	As per requirements	---
11	Boa John's	Poultry chicks once in a week	As per requirements	As per requirements	---
12	Boa Russell's	Poultry chicks once in a week	As per requirements	As per requirements	---
13	Snake Trinket	Poultry chicks once in a week	As per requirements	As per requirements	---
14	Tortoise Indian Star	Soaked grams, math, and greens	40-100 gms	As per requirements	NIL
15	Turtle	Fish and Minced meat	200-300 gms	As per requirements	NIL

16	Green Anaconda	White mice once in a week	As per requirements	As per requirements	---
BIRDS					
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 Patagonian	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits &	adlib.,	adlib.,	NIL

		vegetables.			
10	Cormorant Little	fish	adlib.	adlib.	NIL
11	Crane Crowned	boiled egg, jowar bajra, rice, wheat bran	2 eggs, adlib.	2 eggs, adlib.	NIL
12	Dove Rufous Turtle	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
13	Duck Comb	soaked prawn husk, wheat bran, jowar bajra	adlib.	adlib.	NIL
14	Egrets	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
15	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
16	Finches	cannery black seeds, kang cheena, greens	5-10gms	5-10gms	NIL
17	Flamingo	jowar bajra, soaked wheat bran and prawn powder	adlib.	adlib.	NIL
18	Goose Grey Leg	soaked prawn husk, wheat bran, jowar bajra	adlib.	adlib.	NIL
19	Heron Indian Reef	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
20	Heron Night	Minced buffalo meat and fish	100-150 gms approx.	100-150 gms approx.	NIL
21	Ibis Black	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL

22	Ibis White	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
23	Kite	minced meat	100-150 gms	100-150 gms	NIL
24	Koel	papaya	50-100 gms	50-100 gms	NIL
25	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
26	Love Birds	cannery black seeds, kang cheena, greens	adlib	adlib	NIL
27	Myna Common	jowar bajra	30-40 gms	30-40 gms	NIL
28	Parakeet	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
29	Parakeet Alexandrine	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
30	Parakeet Blossom Headed	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
31	Parakeet Rose Breasted	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL

32	Parakeet Rose Ring	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
33	Partridge Grey	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
34	Peafowl White	Jowar Bajra, Greens twice a day	100-200 gms & 50-100 gms	100-200 gms & 50-100 gms	NIL
35	Pelican Rosy/White	fish	500-900gms	500-900gms	NIL
36	Pheasant Golden	jowar bajra grains and greens	40-80 gms	40-80 gms	NIL
37	Pheasant Silver	jowar bajra grains and greens	40-80 gms	40-80 gms	NIL
38	Pigeon Crowned	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
39	Pigeon Pied Imperial	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
40	Rosella Eastern	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
41	Sparrow Java	cannery black seeds, kang-cheena, greens	5-10gms	5-10gms	NIL
42	Stork Adjutant	Minced buffalo meat and fish	3-3.5 kgs approx.	3-3.5 kgs approx.	NIL
43	Stork painted	Minced buffalo meat and fish	1.0-1.5 kg approx., adlib.	1.0-1.5 kg approx., adlib.	NIL
44	Stork White Neck	Minced buffalo meat and fish	1.0-1.5kg. approx.,	1.0-1.5kg. approx.,	NIL

			adlib.	adlib.	
45	Vulture White Backed-Bengal	Buffalo meat and bones	800-1000gms	800-1000gms	NIL

13. 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	
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 and February	

14. 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 & February July Oct. 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 & October July & February 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 before onset of monsoon
4	All Reptiles as per the inventory of Ahmedabad zoo	Albomar Bolus Hitek Bolus In live food	Twice in a Year February & October and after checking of faecal sample, if samples are positive we are again doing deworming

15. 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

- Bed changes of Herbivores once in a year with mixture of SAND & LIME.
- Disinfection of surrounding visitors path done once a week using phenyl and as and when required.

16. 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	Feb 2020	No Zoonotic diseases found
2	Mr.Bharatsinh.P.Vihol	Education Inspector	Feb 2020	No Zoonotic diseases found
3	Dr. Sharva Shah	Veterinary Doctor (Contract Basis)	Feb 2020	No Zoonotic diseases found
4	Mr.Rakeshkumar C. Patel	Live Stock Inspector	Feb 2020	No Zoonotic diseases found
5	Mr. Akram Shaikh	Live Stock Inspector (Contract Basis)	Feb 2020	No Zoonotic diseases found
6	Mr. Harshad Bhagora	Live Stock Inspector (Contract Basis)	Feb 2020	No Zoonotic diseases found
7	Mr.Farsuram.B.Patel	Head Animal Keeper	Feb 2020	No Zoonotic diseases found
8	Mr.Ranjitsinh.A.Jadeja	As. Head Ani. Keeper	Feb 2020	No Zoonotic

		(Contract Basis)		diseases found
9	Mr.Zahirabbas Yasinkhan	Animal Keeper	Feb 2020	No Zoonotic diseases found
10	Mr Ajmalkhan Muzfarkhan	Animal Keeper	Feb 2020	No Zoonotic diseases found
11	Mr Ganshyamsinh G.	Animal Keeper	Feb 2020	No Zoonotic diseases found
12	Mr Maheubmiya Gulabnabi	Animal Keeper	Feb 2020	No Zoonotic diseases found
13	Mr Dineshbhai Sadrabhai	Animal Keeper	Feb 2020	No Zoonotic diseases found
14	Mr Ayubbhai Usmanbhai	Animal Sec Keeper	Feb 2020	No Zoonotic diseases found
15	Mr Ashok P. Patel	Animal Keeper	Feb 2020	No Zoonotic diseases found
16	Mr Mahendrasinh A Jadeja	Animal Keeper	Feb 2020	No Zoonotic diseases found
17	Mr Saiyadali Ajimuddin	Animal Keeper	Feb 2020	No Zoonotic diseases found
18	Mr Mohmadsharif H Qreshi	Animal Keeper	Feb 2020	No Zoonotic diseases found

19	Mr Bhagubhai D.Patel	Animal Keeper	Feb 2020	No Zoonotic diseases found
20	Mr Kiranbhai Naranbhai	Animal Keeper	Feb 2020	No Zoonotic diseases found
21	Mr Rameshbhai Becharbhai	Animal Keeper	Feb 2020	No Zoonotic diseases found
22	Mr Siyaram Babulal	Animal Keeper	Feb 2020	No Zoonotic diseases found
23	Mr Sravanbhai Kanjibhai	Animal Keeper	Feb 2020	No Zoonotic diseases found
24	Mr. Gopalsingh Rajput	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
25	Mr. Rasasingh D.	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
26	Mr. Sameer Abbassi	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
27	Mr. Vikas K.	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
28	Mr. Nilesh D.	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
29	Mr. Vijay Dube	Keeper on Contract base	Feb 2020	No Zoonotic diseases

				found
30	Mr. Vasim A.	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
31	Mr. Salim Y.	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
32	Mr. Jahangir M.	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
33	Mr. Bhupendra B. Rajput	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
34	Mr. Rajendrasinh R. Jadeja	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
35	Mr. Jilani Abbassi	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
36	Mr. Govind K. Chauhan	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
37	Mr. Rahulsingh J. Rajput	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
38	Mr. Aarbaj H. Pathan	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
39	Mr. Sajid K. Shaikh	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
40	Mr. Vikramsinh P. Rajput	Keeper on	Feb 2020	No Zoonotic

		Contract base		diseases found
41	Mr. Ujefkhan F. Pathan	Keeper on Contract base	Feb 2020	No Zoonotic diseases found
42	Mr Ranchhodbhai N Garasiya	Wireman	Feb 2020	No Zoonotic diseases found
43	Mr. Bheirusingh K.	Labour	Feb 2020	No Zoonotic diseases found
44	Mr Firozkhan Hasankhan	Labour	Feb 2020	No Zoonotic diseases found
45	Mr. Dilavarkhan S. Pathan	Labour	Feb 2020	No Zoonotic diseases found
46	Mr Noormahmad Habibbhai	Labour	Feb 2020	No Zoonotic diseases found
47	Mr Jagatsinh Kaharsinh	Labour	Feb 2020	No Zoonotic diseases found
48	Mr. Umesh Vora	Labour	Feb 2020	No Zoonotic diseases found
49	Mr. Rajubhai Chelabhai	Labour	Feb 2020	No Zoonotic diseases found
50	Mr. Prakash Guarde	Labour	Feb 2020	No Zoonotic diseases found

51	Mr. Girish Vaghela	Labour	Feb 2020	No Zoonotic diseases found
52	Mr. Naresh Baraiya	Labour	Feb 2020	No Zoonotic diseases found
53	Mr. Kishan Mavji	Labour	Feb 2020	No Zoonotic diseases found
54	Mr Tulsibhai Dahyabhai	Safai Kamdar	Feb 2020	No Zoonotic diseases found
55	Mr. Rajesh Haribhai	Sweeper	Feb 2020	No Zoonotic diseases found
56	Mr. Ramkishor R. Yadav	Sweeper	Feb 2020	No Zoonotic diseases found

17. Development Works carried out in the zoo during the year

Conservation Breeding Programme

www.patrika.com

राजस्थान पत्रिका . अहमदाबाद, बुधवार, 15 मई, 2019 | facebook.com/rajasthanpatrika | twitter.com/rpbreakingnews | instagram

'कुनबा' बढ़ाने में भी कमाल कर रहा कमला नेहरू प्राणी संग्रहालय



एक्सक्लूसिव

विलुप्त होने की कगार पर पहुंचे निकोबार कबूतर, काले हिरण, अजगर, मोर, स्पून बिल की पिंजरे में भी हर साल बड़ रही आबादी

ईंभू, हांगडीयर, कंचनमृग, लवबर्ड्स, ग्रे पैरेट भी बढ़ रहे अपना परिवार

सरोज सिंह

rajasthanpatrika.com

अहमदाबाद, शहर में तेजी से बढ़ रहे 'कंक्रीट के जंगल' (इमारतों) के बीच कोंकरीया तालब के किनारे 68 वर्षों से 117 एकड़ में फैला कमला नेहरू प्राणी संग्रहालय (अहमदाबाद जू) पशु-पक्षी-सरीसृपों का 'कुनबा' बढ़ाने में भी कमाल कर रहा है।

वृत्त होने की कगार पर पट्टीची आसूची-एक (गिडाल-1) में शामिल काला किरण, अजगर,



काला हिरण



अहमदाबाद प्राणी संग्रहालय इस वर्ष तीन रोजी पेलिकन बच्चे हुए हैं। संग्रहालय में कुड़ किनारे अउखेलियां करते हुए। फोटो : भागवान मौर्य

उसके व्यवहार के अनुरूप उसे मासूल, खानपान, घोंसला बनाने के लिए सामान (नीम की लीक, घास, लकड़ी, खजूर के फसों) उपलब्ध कराते हैं। अडे देने के बाद उसके संरक्षण का भी ध्यान रखा जाता है, ताकि उन्हे नुकसान न हो।



निकोबार कबूतर

अफ्रीका, ऑस्ट्रेलिया के पक्षी भी बढ़ रहे आबादी

देश के ही नहीं बल्कि विदेश में अफ्रीका, ऑस्ट्रेलिया के पक्षियों को भी अहमदाबाद प्राणी संग्रहालय की आबोहवा अउ इतनी रास आने लगी है कि वे यहाँ भी अपना कुनबा बढ़ाने लगे हैं। इसी ऑस्ट्रेलिया का ईंभू, लकड़ी (लिन प्रकार के), कोकरीया के अलावा ग्रे पैरेट भी शामिल है। ईंभू के तै छह बच्चे अभी तीन माह पहले डी कोंकरीया प्राणी संग्रहालय के पिंजरे में हुए हैं।



ईंभू का बच्चा

विदेशी पक्षियों के बच्चे भी बड़ रहे हैं। इसमें कबूती रोन्ड, नड्ट लेरेन, फाइट आश्लीस, पारोस, पेलिकन हैं, जो कोंकरीया जून में स्थित फेरो पर खुले में रहते हैं। कई बार से आते हैं। पैरो पर रहते हैं। खुद के घोंसले बनाते हैं। अडे भी देते हैं।

गुजरात, उड़ीसा, आंध्र, महाराष्ट्र के जू को भी दिए

ब्रीडिंग के चलते यहाँ सख्त बड़ने पर निकोबार कबूतरों को गांधीनगर इंडोरा नेहरू पार्क, जुनागढ़, हैदराबाद, कलकत्ता, नंदनकानन उड़ीसा जू, हैदराबाद सौतीएमबी को भी दिए गए, सोचने बच्चे और कहीं पैदा नहीं हुए। अहमदाबाद जू निकोबार कबूतर के ब्रीडिंग का मान्य केन्द्र भी है। स्पून बिल भी सुरत, राजकोट, वजीरवा, उड़ीसा के विडियावर को दिए। इसी प्रकार से रोजी पेलिकन भी सुरत, राजकोट को दिए, मुंबई, उड़ीसा, बजोवरा से मंगे हैं। हंग डियर भी कई विडियावर को दिए हैं।

ब्रीडिंग के लिए देते हैं ध्यान

पिंजरे में कैद रहते हुए किली की भी पशु-पक्षी-सरीसृप को आबोदी बढाना बड़त मुश्किल होता है। इसके लिए



पैदा हुए अजगर के बच्चे

करीब 50 पशु-पक्षी-सरीसृपों की हो रही ब्रीडिंग



एक्स सीटू कोंकरीया (पिंजरे में कैद), इन सी टू कोंकरीया (खुले में) दोनों को मिलकर करीब 50 पशु-पक्षी-सरीसृपों की अहमदाबाद का कमला नेहरू प्राणी संग्रहालय ब्रीडिंग कर रहा है। काले हिरण हर साल एक बच्चा पैदा होता है। निकोबार कबूतर की पैदा में सबसे ज्यादा संख्या अहमदाबाद जू में है जो करीब 29 है। हर साल दो से तीन कबूतर पैदा होते हैं। इसके

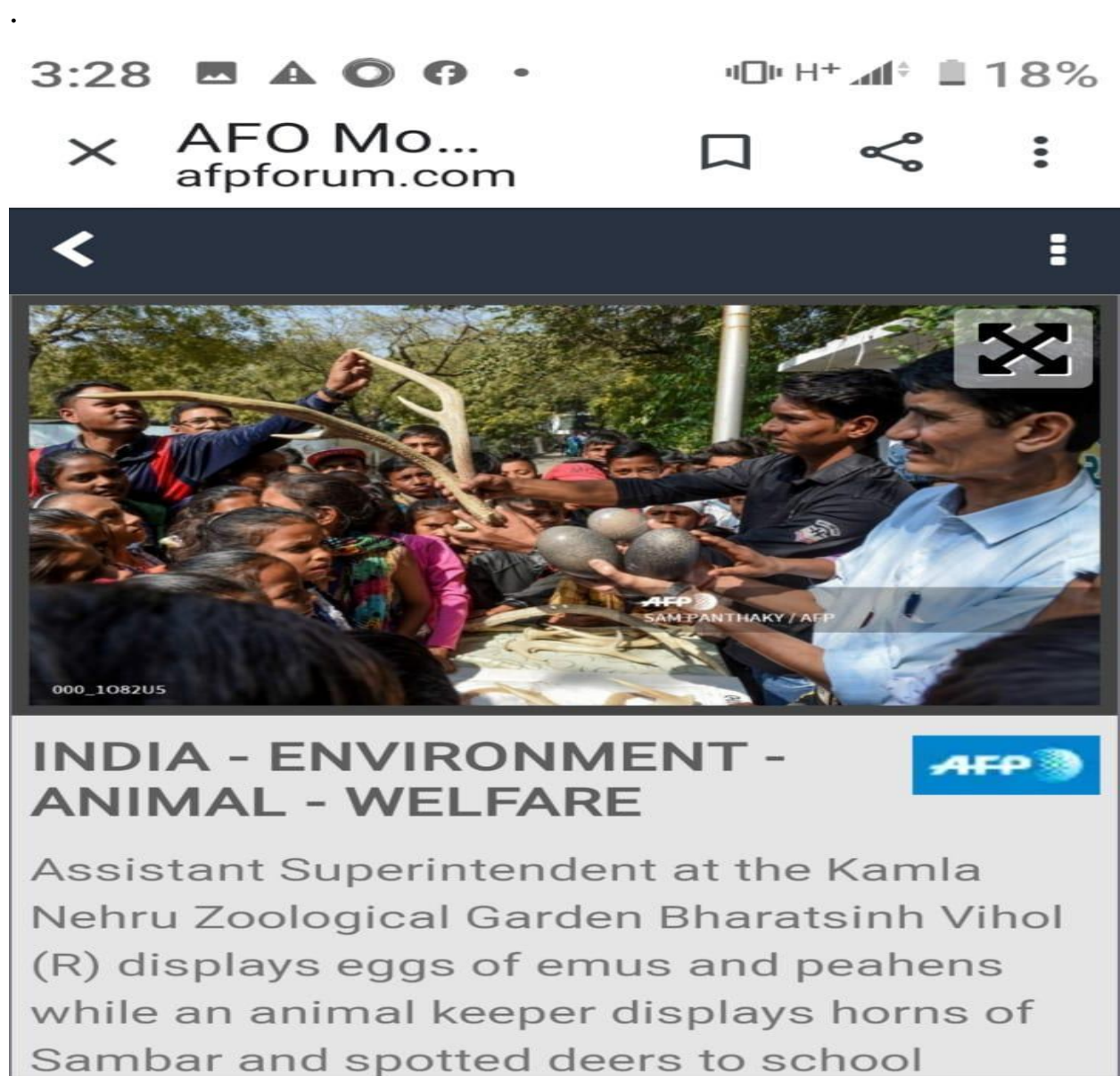
अलावा स्पून बिल जो अभी 30 हैं। यह भी हर साल दो तीन पैदा होते हैं। रोजी पेलिकन के भी 15-16 साल से बच्चे पैदा हो रहे हैं। इस साल तीन बच्चे पैदा हुए हैं। अभी 40 रोजी पेलिकन हैं। जू की स्थापना के 64 साल बाद अजगर के बच्चे पैदा हो रहे हैं। तीन सालों से तो अजगर के भी बच्चे पैदा हो रहे हैं। एक साल 16, दूसरे साल 17 और तीसरे साल करीब 7 से 8 बच्चे अजगर के पैदा हुए हैं। हंग डियर के हर साल बच्चे होते हैं। अभी 55 से 60 हैं।

-डॉ. आर.के.साहू, निदेशक, कमला नेहरू प्राणी संग्रहालय, अहमदाबाद

18. Education and Awareness programmes during the year

Zoo Education Activity:

Ahmedabad Zoo has celebrated Wildlife Week from 1st to 7th Oct 2019, Animal welfare fortnight 14th to 30th January 2020 and World wildlife day on 3rd March 2020 to create awareness about wildlife and animal welfare among the visitors. These activities included lectures, touch table, zoo guide and keeper talk which kept the children entertained whilst also imparting crucial educational information to them.



Zoo Education and Training





- **Veterinary Students Internship Programme:**

Three Veterinary Colleges of Gujarat are sending their students to Ahmedabad zoo for their Internship Programme. In this year total 113 students completed their Internship from Ahmedabad Zoo.



Friends of Zoo Scheme

- No of Adopters – 22
- No. of Adopted Animals – 28
 - Mammals – 06
 - Birds – 17
 - Reptiles - 05
- Income Rs. 3, 62, 460/00

19. Important Events and happenings –

Ahmedabad Zoo conducted a one-day Heronry Workshop on 6th October 2019 in which more than a hundred participants. During this workshop, the participants counted nests of different species of birds along with their chicks on zoo trees. The highlight of this workshop was the discovery of Grey HornBill on zoo tree for the very first time.



In a first, the Wildlife Institute of India with the grant of CZA and in cooperation with Ahmedabad Zoo launched a certification course on ‘Green Skill Development Programme in Nature Interpretation’ with an aim of increasing the employment rate in the youth. This course had been conducted from 1/12/2019 to 9/12/2019.

This program will also help in conservation education program and give proper guidance to visitors.



Precautions to prevent the zoo animals from Heat stroke

THE TIMES OF INDIA, AHMEDABAD
MONDAY, APRIL 8, 2019

SKY ON FIRE, COOLERS IN ZOO

TIMES NEW NETWORK

Ahmedabad: The mercury in the city went up a notch higher on Sunday with 42.6°C, up by 1.6 degrees from 41°C on Saturday. Ahmedabad was the third hottest city in Gujarat after Kandla (43.8°C) and Surendranagar (43.3°C).

Authorities at the Kamla Nehru Zoological Garden at Kankaria Lakefront have taken precautions to prevent the animals from heatstroke. Dr R K Sahu, superintendent of the zoo, said that they have provided 35 coolers to different cages to provide some respite to the birds and animals. "Almost every enclosure has also been provided with nursery green nets that brings down temperature by almost 8 degrees," he said.

Dr Sahu added that the young ones and older ani-

35 coolers for different cages to provide some respite to the birds and animals



als need special care during summer months. "We keep a close watch on their diet to detect signs of any kind of distress. Ample water has been provided to animals such as hippopotamus to maintain their body temperature. The enclosures are also sprinkled with water," he said.



News Paper – Times of India Dt. 08.04.2019

20. Seasonal special arrangements for upkeep of animals:

Ahmedabad Zoo is making special arrangements during the winter season to all mammals with heaters and dry grasses for bedding. For reptiles we are providing earthen pots with bulbs. This practical solution of heating arrangements for reptiles was the first of its kind and a paper was published in 1992 about the same. For birds we are providing brooder for heating.

During summer, for all mammals we are providing coolers, Mist/micro sprinklers and water bodies to those who love water. The provision of green nets is also made available to avoid direct sun light in enclosures. Every year we are planting trees and creepers for making natural shades in the 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.

મંગળવાર, તા. ૨ એપ્રિલ, ૨૦૧૯

દેશ-વિદેશના ૧,૯૦૦ જેટલા પશુ-પક્ષીઓ ગરમીથી બેહાલ કાંકરિયા ઝૂ માં ૯ ડિગ્રી સુધીનું તાપમાન ઘટાડવા ક્વાયત, ૩૫ ફૂલરો, ગ્રીન નેટની જાળ પથરાઈ

અમદાવાદમાં ગરમીનો પારો સોમવારે ૪૧.૩ ડિગ્રી રહ્યો હતો. હજુ આગામી ત્રણેક દિવસ હીટવેવની શક્યતા વચ્ચે અમદાવાદના પ્રખ્યાત કાંકરિયા પ્રાણી સંગ્રહાલયમાં પશુ-પક્ષીઓને ગરમીથી બચાવવા માટેની ક્વાયત હાથ ધરાઈ છે. જેમાં ગ્રીન નેટ લગાવવાની સાથે ૩૫ ફૂલરો મુકીને તેમજ પાંજરાઓની આગળ સતત પાણીનો છંટકાવ કરીને પશુ-પક્ષીઓને ગરમીમાં રાહત આપવાનો પ્રયાસ કરાઈ રહ્યો છે.

વાઘ-સિંહનો ખોરાક ઘટ્યો જ્યારે સાપ, મગરનો ખોરાક વધી ગયો, ૨૪ કલાક નિરિક્ષણ માટે ડોક્ટરોની ટીમ તૈનાત

કાંકરિયા પ્રાણી સંગ્રહાલયમાં દેશ-વિદેશના મળીને કુલ ૧,૯૦૦ જેટલા પશુ-પક્ષીઓ છે. ઉનાળાની સિઝનમાં ગરમીથી તેઓની તબીયત ન લથરે, લૂ લાગવાથી મરણ ન થાય તે માટે પ્રાણી સંગ્રહાલયનું તાપમાન ૯ ડિગ્રી સુધી ઘટાડવાનું આયોજન કરાયું છે.

આ અંગે ઝૂ સુપ્રિટેન્ડેન્ટ આર.કે. શાહુના જણાવ્યા મુજબ સૂર્ય પ્રકાશ સીધો પાંજરાઓમાં ન આવે તે માટે તમામ પાંજરાઓ પર ગ્રીન નેટ લગાવાઈ છે. જેનાથી ૮ થી ૯ ડિગ્રી તાપમાન ઘટી જાય છે. બીજી તરફ વાઘ, સિંહના પાંજરા આગળ તેમજ નિકોબારના કબૂતરો, ચીન-જાપાનના પક્ષીઓ તેમજ ઇમુ પક્ષીઓના પાંજરાઓ આગળ ફૂલર મુકાયા છે. તેમજ પાણીના કૂવારા વળે સતત પાણીનો છંટકાવ કરાઈ રહ્યો છે.

હોજમાં પાણી ભરી રખાયું છે. જેથી પશુ-પક્ષીઓ તેમાં બેસીને પણ ગરમીમાં રાહત મેળવી શકે છે. ગરમીના કારણે પશુ-પક્ષીઓની તબીયતની ૨૪ કલાક ચકાસણી થતી રહે છે. તે માટે ડોક્ટરોની ટીમ પણ તૈનાત કરી દેવાઈ છે. ગરમીમાં વાઘ, સિંહના ખોરાક ઘટી જતો હોય છે. તેઓનો ખોરાક ૧૫ કિલોથી ઘટીને ૧૦ કિલો સુધી થઈ જતો હોય છે. ગરમીનું વાતાવરણ સાપ અને મગર માટે અનુકૂળ હોવાથી તેઓનો ખોરાક વધી જતો હોય છે.



અમદાવાદ સહિત રાજ્યભરમાં ૪૨ ડિગ્રી સુધીની અસહ્ય ગરમીથી મનુષ્યોની સાથે સાથે પશુ-પક્ષીઓ પણ બેહાલ બની ગયા છે. કાંકરિયા પ્રાણી સંગ્રહાલયમાં ૧,૯૦૦ જેટલા દેશ-વિદેશના પશુ-પક્ષીઓને ગરમીથી રક્ષણ આપવા માટે ઝૂ તંત્ર દ્વારા વિવિધ પ્રયાસો હાથ ધરાયા છે. ગ્રીન નેટ લગાવવી, ફૂલર મુકવા, સતત પાણીનો છંટકાવ કરવો, પાણીના કૂવારા મુકવા વગેરે રીતભાતો ઈડક પ્રસારાવવા અજમાવાઈ રહી છે. ભારે ભરખમ શરીર સાથે હિપોપોટેમસ પ્રાણી સંગ્રહાલયના હોજમાં આખો દિવસ પાણીમાં રહીને ગરમીથી રાહત મેળવવાનો પ્રયાસ કરી રહ્યો છે. (તસવીર- ગૌતમ મહેતા)

News Paper – Gujarat Samachar Dt. 02.04.2019

21. Research Work carried out and publications

Students list of Research Study in zoo under the guidance of Dr R.K. Sahu (Director of Zoo) :

1. Mr. Rutwik Pandya,
Zoology Student, St. Xavier's College,
Ahmedabad.

Subject : Internship in Kankaria Zoo, Ahmedabad .

2. Ms. Shaily Dhinoja,
Veterinary medicine Student, The University of Edinburgh,
Scotland.

Subject : Internship study about Wildlife vet experience in
Kankaria Zoo, Ahmedabad.

3. Mrs. Binduben R. Solanki,
PhD Student and Lecturer (ad hoc),
M. K. College of Commerce,
Bharuch.

Subject : Tourist Preference and Preception of Zoos in
Gujarat : A Comparative study.

4. Mr. Dineshkumar S. Damor,
M. Sc. Zoology Student, School of Science,
Gujarat University,
Ahmedabad.

Subject : Total Biodiversity present in Butterfly Park.

5. Ms. Dipikaben Punjabhai Dhak,
M. Sc. Zoology Student, School of Science,
Gujarat University,
Ahmedabad.

Subject : Nocturnal animal available in Cave – I of
Nocturnal Zoo.

6. Ms. Shalini B. Nadamani,
M. Sc. Zoology Student, School of Science,
Gujarat University,
Ahmedabad.

Subject : Nocturnal animal available in Cave – II of
Nocturnal Zoo.

7. Ms. Sonalben Himmatsinh Meda,
M. Sc. Zoology Student, School of Science,
Gujarat University,
Ahmedabad.

Subject : A factorial study of Big Cat's family residing in
Kankaria & Its Relationship with zoo captivity.

8. Ms. Misha Ghanashyambhai Dangodara,
M. Sc. Zoology Student, School of Science,
Gujarat University,
Ahmedabad.

Subject : The free birds on tree in zoo park.

9. Ms. Nansi Patel,
Bachelor of Architecture Student,
North Gujarat University,
Patan.

Subject : Design of Zoo.

22. Conservation Breeding Programme of the Zoo

Ahmedabad Zoo is doing Conservation Breeding Programme for Nicobar Pigeons, Spoonbills, Peafowls and Rosy Pelicans.



News paper Ahmedabad Mirror Dt. 06.05.2019

23. Animal acquisition / transfer / exchange during the year

As per the permission of Chief Wildlife Warden of Gujarat state, Ahmedabad Zoo transferred 2 pairs of Spotted Deer to facilities created near Vansda National Park, Gujarat for creating a prey base system.

24. 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

25. Annual Inventory of animals

Part – A

Endangered Species*

S · N o	Animal Name	Scientific name	Opening Stock as on Dt.01.04.18				Births			Acquisitio n			Disposal			Death			Closing Stock as on Dt.31.03.19				
			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 thibetanu s</i>	1	1	0	0													1	1	0	0	2
2	Black Buck	<i>Antilope cervicapr a</i>	2	2	0	0									1	0	0		1	2	0	0	3
3	Cat Jungle	<i>Felis chaus</i>	1	0	0	0													1	0	0	0	1
4	Civet Common Palm	<i>Paradoxu rus Hermaphr oditus</i>	4	1	0	0													4	1	0	0	5
5	Elephant Indian	<i>Elaphus maximus</i>	0	1	0	0													0	1	0	0	1
6	Jackal	<i>Canis aureus</i>	4	1	0	1									0	1	0		4	1	0	1	7
7	Langur Common	<i>Semnopit hecus entellus</i>	2	7	0	2	0	0	3										2	8	0	3	0
8	Leopard/Pa nther	<i>Panthera pardus</i>	4	4	0	0													4	4	0	0	8
9	Lion Indian	<i>Panthera leo persica</i>	1	2	0	0													1	2	0	0	3
10	Macaque Bonnet	<i>Macaca radiata</i>	4	1	0	0													4	1	0	0	5
11	Macaque Rhesus	<i>Macaca mulatta</i>	2	1	0	4	0	0	4										2	2	0	4	4
12	Otter Common	<i>Lutrogale perspicilla ta</i>	1	1	0	0													1	1	0	0	2
13	Porcupine Bengal	<i>Atherurus macrouru s</i>	0	0	7	7	0	0	3										0	0	7	7	9
14	Tiger Bengal	<i>Panthera tigris tigris</i>	1	1	0	0													1	1	0	0	2
15	Tiger Bengal (White)	<i>Panthera tigris tigris</i>	0	1	0	0													0	1	0	0	1
1	Peafowl	<i>Pavo</i>	6	2	0	2	0	0	3										7	2	0	2	

6		<i>cristatus</i>	0	0	6												2		9			
17	Peafowl White	<i>Pavo cristatus</i>	0	0	2	0								0	1	0	0	0	1	0	1	
18	Pigeon Nicobar	<i>Caloenas nicobarica</i>	0	0	2	2								2	2	0	0	0	2	2	5	5
19	Spoonbill White	<i>Platalea leucorodia</i>	0	0	3	3	0	0	5								0	0	3	3	5	5
20	Vulture White Backed-Bengal	<i>Gyps bengalensis</i>	0	0	8	0								0	2	0	0	0	6	0	6	6
21	Kite	<i>Milvus migrans govinda</i>	0	0	1	0											0	0	1	0	1	1
22	Cobra Indian	<i>Naja naja</i>	0	0	1	1											0	0	1	1	5	5
23	Crocodile Long Snouted - Gharial	<i>Gavialis gangeticus</i>	0	0	3	0											0	0	3	0	3	3
24	Crocodile Marsh	<i>Crocodylus palustris</i>	0	0	9	0											0	0	9	0	9	9
25	Crocodile Salt Water	<i>Crocodylus porosus</i>	2	1	0	0											2	1	0	0	3	3
26	Monitor Lizards / Common Indian	<i>Varanus bengalensis</i>	1	2	0	0	0	0	1								2	2	0	0	4	4
27	Python Indian – Rock	<i>Python molurus</i>	2	2	0	4	0	0	1								2	2	0	5	3	3
28	Snake Russels Viper	<i>Daboia russelii</i>	0	0	3	0											0	0	3	0	3	3
29	Snake Keelback Checkered	<i>Xenochrophis piscator</i>	0	0	5	0											0	0	5	0	5	5
30	Snake Rat /	<i>Ptyas mucosus</i>	0	0	5	0											0	0	5	0	5	5
		Total of Endangered Species	9	5	1	3			3					3	6		0	1	1	1	8	4
			8	9	8	7	0	0	0					7	6	7	0	0	0	8	0	0

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

Part – B

Other than Endangered Species

S · N o ·	Animal Name	Scientific name	Opening Stock as on Dt.01.04.18				Births			Acquisitio n			Disposal			Death			Closing Stock as on Dt.31.03.19			
			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>	3 1	4 1	0	7 2	0	0	1 1							4	0	0	3 5	4 4	0	7 9
2	Deer sambar	<i>Rusa unicolor</i>	2	5	0	0 7	0	0	0 1							0	0	1	1	6	0	0 7
3	Deer Spotted	<i>Axis axis</i>	5 4	8 1	0	1 3 5	0	0	2 0				2	2	0	4	2	0	5 8	8 7	0	1 4 5
4	Fox Flying	<i>Pteropus giganteus</i>	0	0	1 2	1 2													0	0	1 2	1 2
5	Hippopotam us	<i>Hippopot amus amphibi us</i>	1	1	0	0 2													1	1	0	0 2
6	Hyena Stripped	<i>Hyaena hyaena</i>	0	1	0	0 1													0	1	0	0 1
7	Nilgai - Bluebull	<i>Boselaph us tragocam elus</i>	3	6	0	0 9	0	0	2										3	8	0	1 1
8	Babbler Common	<i>Turdoides caudatus</i>	0	0	1	0 1													0	0	1	0 1
9	Budgeriger	<i>Melopsitt acus undulatus</i>	0	0	3 0 7	3 0 7	0	0	1 7							0	0	1 5	0	0	3 0 9	3 0 9
1 0	Cassowary	<i>Casuarius casuarius</i>	1	0	0	0 1													1	0	0	0 1
1 1	Cockatiel	<i>Nymphicu s hollandicu s</i>	0	0	2 7 3	2 7 3	0	0	2 0							0	0	1 0	0	0	2 8 3	2 8 3
1 2	Cockatoo	<i>Cacatua goffini</i>	0	0	5	0 5										1	1	0	0	0	3	0 3
1 4	Connure Patagonian	<i>Cyanolise us patagonu s</i>	3	1	0	0 4										3	0	0	0	0	1	0 1
1 5	Connure Green Checked	<i>Pyrrhura molinae molinae</i>	2	2	0	0 4													2	2	0	0 4

16	Connure Yellow Sided	<i>Pyrrhura molinae molinae</i>	2	2	0	0												2	2	0	0
17	Cormorant Little	<i>Phalacrocorax niger</i>	0	0	1	1	0	0	7									0	0	1	1
18	Crane Crowned	<i>Balearica pavonina</i>	0	2	0	0												0	2	0	0
19	Dove Rufous Turtle	<i>Streptopelia orientalis</i>	0	0	1	1												0	0	1	1
20	Duck Comb	<i>Sarkidiornis melanotos</i>	0	0	1	1	0	0	7									0	0	1	1
21	Egrets	<i>Egretta garzetta</i>	0	0	1	1												0	0	1	1
22	Emu	<i>Dromaius novaehollandiae</i>	0	0	1	1	0	0	4					1	0	0		0	0	1	1
23	Finches	<i>Chloebia</i>	0	0	4	0												0	0	4	0
24	Flamingo	<i>Phoenicopterus roseus</i>	0	0	1	0								0	1	0		0	0	0	0
25	Goose Grey leg	<i>Anser anser</i>	0	0	3	0												0	0	3	0
26	Heron Indian Reef	<i>Egretta gularis</i>	0	0	1	0												0	0	1	0
27	Heron Night	<i>Nycticorax nycticorax</i>	0	0	4	4	0	0	8									0	0	5	5
28	Ibis black	<i>Pseudibis papillosa</i>	0	0	1	0												0	0	1	0
29	Ibis White	<i>Threskiornis melanocephalus</i>	0	0	3	3	0	0	5									0	0	3	3
30	Koel	<i>Eudynamis scolopacea</i>	0	0	1	0												0	0	1	0
32	Lorry chattering	<i>Eos rubra</i>	1	1	0	0												1	1	0	0
33	Lovebirds	<i>Agapornis</i>	0	0	1	1								0	0			0	0	1	1
34	Myna Common	<i>Acridotheres tristis</i>	0	0	4	0												0	0	4	0
35	Parakeet African grey	<i>Psittacus erithacus</i>	0	0	2	0												0	0	2	0

3 6	Parakeet Alexandrine	<i>Psittacula eupatria</i>	0	0	5	5	0	0	6									0	0	5	5
3 7	Parakeet Blossom Headed	<i>Psittacula cyanocep hala</i>	0	0	8	0	0	0	1									0	0	9	0
3 8	Parakeet Rose Breasted	<i>Psittacula alexandri</i>	0	0	1	1	0	0	4						2	2	0	0	0	1	1
3 9	Parakeet Rose Ring	<i>Psittacula krameri</i>	0	0	7	7	0	0	5									0	0	8	8
4 0	Partridge Grey	<i>Francolin us pondiceri anus</i>	1	0	0	0												1	0	0	0
4 1	Pelican Rosy	<i>Pelecanu s onocrotal us</i>	0	0	4	4	0	0	3						0	0	1	0	0	4	4
4 2	Pheasant Golden	<i>Chrysolop hus pictus</i>	3	3	0	0									0	1	0	3	2	0	0
4 3	Pheasant Silver	<i>Lophura nyctHEME ra</i>	2	1	0	0												2	1	0	0
4 4	Pigeon Crowned	<i>Goura cristata</i>	2	1	0	0												2	1	0	0
4 5	Pigeon Pied Imperial	<i>Ducula bicolor</i>	1	1	0	0												1	1	0	0
4 6	Rosella Eastern	<i>Platycerc us eximius</i>	0	1	0	0												0	1	0	0
4 7	Sparrow Java	<i>Padda oryzivora</i>	0	0	4	4									0	0	1	0	0	3	3
4 8	Stork Adjutant	<i>Leptoptilo s dubius</i>	0	0	1	0												0	0	1	0
4 9	Stork Painted	<i>Mycteria leucocep hala</i>	0	0	4	0												0	0	4	0
5 0	Stork White Neck	<i>Ciconia episcopus</i>	0	0	1	0												0	0	1	0
5 2	Krait	<i>Bungarus caeruleus</i>	0	0	2	0												0	0	2	0
5 3	Boa Johns	<i>Eryx johnii</i>	0	0	3	0	0	0	2									0	0	5	0
5 4	Boa Russels	<i>Gongylop his conicus</i>	0	0	5	0												0	0	5	0
5 5	Snake Trinket	<i>Coelogna thus helena</i>	0	0	1	0												0	0	1	0
5 6	Tortoise	<i>Geochelo ne</i>	0	0	8	8	0	0	2									0	0	8	8

	Indian Star	<i>elegans</i>																			
57	Turtle	<i>Lissemys punctata</i> & <i>Trachemys scripta elegans</i>	0	0	53	53	0	0	7									0	0	60	60
58	Green Anaconda	<i>Eunectes murinus</i>	2	2	0	0	4											2	2	0	0
		Total of other than Endangered Species	1	1	1	1			1									1	1	1	1
			1	1	2	5			3									1	1	2	5
			1	5	6	2			3									1	6	9	7
				2	5	8	0	0	2				2	2	0	1	7	7	6	5	2
		Grand Total	2	2	4	9			1									2	2	4	9
			0	5	5	0			6									2	6	8	7
			6	0	1	7	0	0	2				2	2	0	2	3	6	2	8	6

26. Mortality of animals

Summary of Death during Apr - 2019 to Mar - 2020 Kamla Nehru Zoological Garden, Kankaria, Ahmedabad.

Sr. No.	Name of Species	Date	No.	Cause of Death
Mammals				
1	Black Buck (M)	18/09/19	1	Old age
2	Jackal (F)	05/02/20	1	Old age
3	Deer Hog (M)	11/06/19	1	Old age
4	Deer Hog (M)	14/09/19	1	Old age
5	Deer Hog (M)	08/11/19	1	Old age
6	Deer Hog (M)	15/12/19	1	Old age
7	Deer Sambar (M)	05/04/19	1	Old age
8	Deer Spotted (M)	01/05/19	1	Old age
9	Deer Spotted (M)	18/05/19	1	Old age
10	Deer Spotted (F)	16/08/19	1	Old age
11	Deer Spotted (M)	06/12/19	1	Old age
12	Deer Spotted (M)	23/02/20	1	Old age
13	Deer Spotted (F)	17/03/20	1	Old age
Total Mammals			13	
Birds				
1	Pigeon Nicobar (F)	21/06/19	1	Old age
2	Pigeon Nicobar(M)	25/10/19	1	Old age
3	Pigeon Nicobar(F)	08/02/20	1	Egg bound condition
4	Pigeon Nicobar(M)	04/03/20	1	Old age
5	Budgerigar	Diff. date	15	Enteritis, Old age, Stress, Infighting
6	Cockatiel	Diff. date	10	Enteritis, Old age, Stress, Infighting
7	Little Corella (M)	27/11/19	1	Contagious Ecthyma
8	Little Corella (M)	25/01/20	1	Old age
9	Connure Patagonian (M)	23/07/19	1	Old age
10	Connure Patagonian (M)	13/08/19	1	Old age

11	Connure Patagonian (M)	07/09/19	1	Old age
12	Emu (M)	14/11/19	1	Old age
13	Flamingo (F)	17/06/19	1	Old age
14	Lovebird	Diff. date	19	Enteritis, Old age, Stress, Infighting
15	Parakeet Rose Breasted (M)	08/06/19	1	Old age
16	Parakeet Rose Breasted (M)	11/06/19	1	Old age
17	Parakeet Rose Breasted (F)	22/08/19	1	Old age
18	Parakeet Rose Breasted (F)	05/09/19	1	Old age
19	Peafowl White (F)	29/04/19	1	Old age
20	Pelican Rosy (M)	12/10/19	1	Old age
21	Pheasant Golden (F)	06/06/19	1	Old age
22	Sparrow Java	Diff. Date	12	E. Stress, Old age
23	White-backed vulture(F)	10/06/19	1	Old age
24	White-backed vulture(F)	26/02/20	1	Old age
	Total Birds		76	
	Grand Total of Animals		89	

27. Compliance with conditions stipulated by the Central Zoo Authority

Sr. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo	
1. General Requirements						
1.	1.4	Appropriate barriers are 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	
4. Animal housing, display of animals and animal enclosures						
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 and sent to ASI, because monument is under 100 meters	
6. Veterinary and infrastructure facility						
3.	6.3	The Post of Lab Assistant at the zoo be filled up by a qualified person.	Six months	07/06/2016	No need because Anand Veterinary college and Govt. disease investigation lab are checking samples.	
7. Postmortem and disposal of carcass of animals						
4.	7.1 & 7.4	1. Post Mortem room should be attached with a small room with wash basin and bathing facility for the VS to change cloths as well as to take bath after completion of post mortem.	Six months	07/06/2016	Now we are shifting site of PM room and incinerator and in the design we have provision of room.	

		2. Installation of Incinerator should be completed.			Tender of Civil invited for fitting.	
9. Acquisition and breeding of animals						
5.	9.4	Jungle cat housed singly at the zoo be paired.	One year	07/06/2016	We are corresponding with other zoo under Animal Exchange programme.	
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 on Dt. 09.02.2015 and started conservation breeding programme.	
10. Research activities						
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, Geothermal System . Research Student list are attached in separate sheet.	

28. List of free living wild animals within the zoo premises

Sr. No.	Name of the Species
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
47	Grey Hornbill