

*Kamla Nehru Zoological Garden,
Kankaria, Ahmedabad*

Annual Report
2021-22



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1. Report of the Officer-in-charge

World was badly suffered by Covid-19 and world zoos where also in problems due to financial constraint as well as risk of infections to zoo animals, keepers and other staff.

Managing food for animals and availability of staff was also great challenge due to strict curfew but we are thankful to the authorities like Police, Municipal Corporation and others for helping zoo staff for all kind of help.

Central Zoo Authority is always helpful to all Indian zoos for crisis management and this time CZA guideline for Pandemic also helpful to manage zoos with scientific management.

We have to appreciate efforts of all zoo staff who was always available in this crisis and taken care of zoo animals. Our staff members are vaccinated as a frontline worrier their family members were also benefitted by vaccination.

Fortunately, no animals or staff of our zoo affected by covid, we have extensively used antiviral disinfectant for animals' enclosure and sanitizers for visitors and staff.

This pandemic has taught a lot how to use local resources and almost everybody learned about online classes.

We have checked viral load on our animals by sending samples to the Bhopal lab and fortunately samples are negative.

Pandemic also affected revenue generation due to entry tickets and others income but fortunately Ahmedabad Municipal has not cut budget and payments to all agencies paid on time.

During pandemic air pollution and sound pollution was very low so free ranging wild animals are also breeding well but stray animals depending on human being were affected and searching food. Thanks to NGOs who has done excellent job by taking lot of risk of their life and regularly provided foods to stray animals.

We have to create awareness about environment to all visitors visiting zoo and save our planet by the way of reducing pollution and more plantation of trees.

Best wishes,

Dr R.K. Sahu
Director of Ahmedabad Zoo

2. 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 spreaded over 31 acres. 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 32 lakhs visitors visiting 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

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 visitors for 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 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.

5. **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.

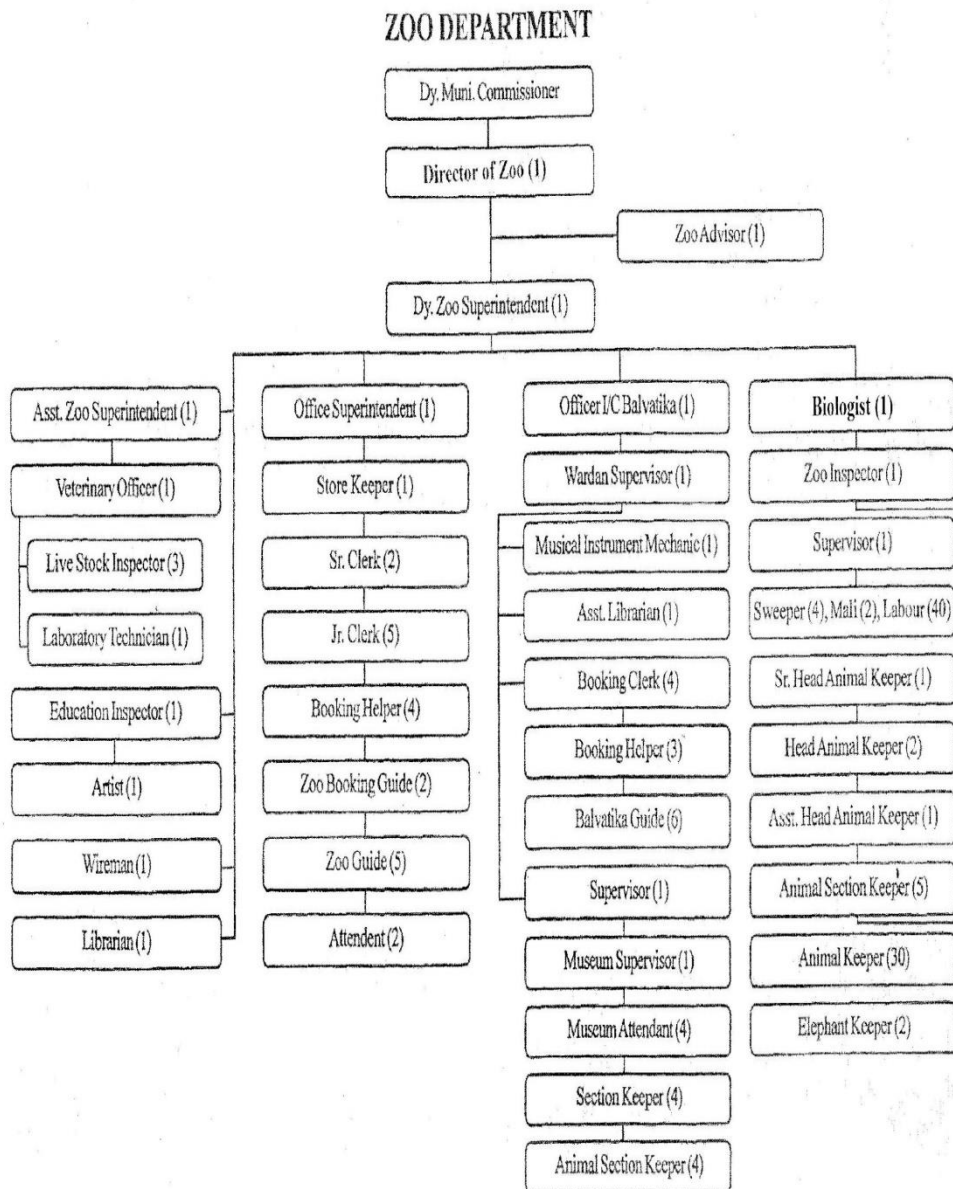
6. **About us**

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	<u>kankaria@ahmedabadzoo.in</u>
8	Website	<u>www.ahmedabadzoo.in</u>
9	Distance from nearest	Airport: 12 Km
		Railway Station: 04 Km
		Bus Stand: 02 Km
10	Recognition Valid up to (Date)	19.08.2023
11	Category of zoo	Large Zoo

12	Area (in Hectares)	117 acre
13	Number of Visitors (Financial Year)	Adult :21, 20, 479
		Children :5, 16, 353
		Total Indian :26, 36, 832
		Total Foreigners :87
		Total Visitors: 26, 36, 832
14	Visitors' Facilities Available in Zoo	Washroom, Drinking water, First aid, Wheel chair, Dom and Resting area, Anti venom serum, Library, Information cum Interpretation 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	Dr. D. P. Solanki (On deputation)
	Name of the Veterinary Officer	Dr. Sharva Shah (Contract Basis)
	Name of the Education Officer	Mr. Bharatsinh P. Vihol
	Name of the Biologist	Mr. Bharatsinh P. Vihol
	Name of the Compounder/ Lab Assistant	Mr. Rakeshkumar C. Patel (On deputation)

		Akram Shaikh (Contract Basis) Harshad Bhagora (Contract Basis)
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	+91-79-25463415
20	E-mail address of Operator	mc@ahmedabadcity.gov.in

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	Deputy Zoo Superintendent	1	0
3	In charge Officer Balvatika	1	0
4	Assistant Zoo Superintendent	1	1 (On Deputation)
5	Office Superintendent	1	1
6	Veterinary Officer	1	1 (Contract Basis)
7	Biologist	1	0
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 basis)
15	Senior Clerk	2	2
16	Librarian	1	0
17	Assistant Reliever Librarian	1	0
18	Junior Clerk	9	5
19	Head Animal keeper	2	1 (Contract basis)
20	Assistant Head Animal keeper	1	1 (Contract basis)
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	12 Regular 18 (Contract basis)
35	Assistant Elephant cum Animal keeper	1	0
36	Zoo Guide	5	2
37	Balvatika Guide	6	3
38	Museum Attendant	4	0
39	Muni. Attendant	2	0
40	Garden Labourer/Majur	40	32
41	Booking Helper	7	6
42	Sweeper	2	33 (Contract basis)
	Total	156	130

9. 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	Dr. R. K. Sahu, Director of Zoo	Zoo Director's Conference	Dt. 10.10.21 to Dt. 11.10.21	Sardar Patel Zoological Park, Kevadiya, Gujarat
2	Mr. Bharatsinh P. Vihol, Education Inspector	Right to Information Act, 2005	Dt. 14.03.22 to Dt. 15.03.22	SPIPA, Ahmedabad, Gujarat

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>
<i>2019-20</i>	<i>13046420</i>	<i>44802000</i>	<i>747490</i>	<i>1075150</i>	<i>12312337</i>	<i>71983397</i>
<i>2020-21</i> <i>*COVID-19*</i>	<i>2972830</i>	<i>14069000</i>	<i>144220</i>	<i>384300</i>	<i>2056562</i>	<i>19626912</i>
<i>2021-22</i> <i>*COVID-19*</i>	<i>2937290</i>	<i>48083000</i>	<i>463100</i>	<i>1156700</i>	<i>10400115</i>	<i>63040205</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>2019-20</i>	<i>1795095</i>	<i>1044600</i>	<i>277163</i>	<i>119860</i>	<i>3236718</i>
<i>2020-21</i> <i>*COVID-19*</i>	<i>477615</i>	<i>313600</i>	<i>51915</i>	<i>40920</i>	<i>884050</i>
<i>2021-22</i> <i>*COVID-19*</i>	<i>1257622</i>	<i>1090600</i>	<i>164900</i>	<i>123710</i>	<i>2636832</i>

Zoo Department Expenditure Budget in Rs.

<i>Year</i>	<i>Revenue</i>	<i>Capital</i>	<i>Total</i>
<i>2019-20</i>	<i>7,99,01,000</i>	<i>2,00,00,000</i>	<i>9,99,01,000</i>
<i>2020-21</i>	<i>9,08,19,000</i>	<i>7,70,00,000</i>	<i>16,78,19,000</i>
<i>2021-22</i>	<i>7,39,77,000</i>	<i>1,50,00,000</i>	<i>8,89,77,000</i>

13. Daily feeding Schedule of animals

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% lesser than winter	NIL
2	Black Buck Common	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(gra m pieces, maize pieces, groundnut cake, cattle feed), Dry hay, Green	600-900 gms, 2-5 kg	5% lesser 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% 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	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% 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
REPTILES					
1	Cobra Indian	Poultry chicks once in a week	As per requirements	As per requirements	---
2	Crocodile Long Snouted/ Gharial	Buffalo Meat twice a week	2-5 kg	2-5 kg	---
3	Crocodile Marsh	Buffalo Meat	2-5 kg	2-5 kg	---

	(Mugger)	twice a week			
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 requireme nts	---
6	Indian Python Rock	Hen or Rabbit once in a week	As per requirements	As per requireme nts	---
7	Snake Russell's Viper	Poultry chicks once in a week	As per requirements	As per requireme nts	---
8	Snake Keelback Checkered	Poultry chicks once in a week	As per requirements	As per requireme nts	---
9	Snake Rat/Dhaman	Poultry chicks once in a week	As per requirements	As per requireme nts	---
10	Krait	Poultry chicks once in a week	As per requirements	As per requireme nts	---
11	Boa John's	Poultry chicks once in a week	As per requirements	As per requireme nts	---
12	Boa Russell's	Poultry chicks once in a week	As per requirements	As per requireme nts	---
13	Snake Trinket	Poultry chicks once in a week	As per requirements	As per requireme nts	---
14	Tortoise Indian Star	Soaked grams, math, and greens	40-100 gms	As per requireme nts	NIL
15	Turtle	Fish and Minced meat	200-300 gms	As per requireme nts	NIL
16	Green Anaconda	White mice once in a week	As per requirements	As per requireme nts	---

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 & vegetables.	adlib.,	adlib.,	NIL
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	Goose Grey Leg	soaked prawn husk, wheat bran, jowar bajra	adlib.	adlib.	NIL
18	Heron Indian Reef	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
19	Heron Night	Minced buffalo meat and fish	100-150 gms approx.	100-150 gms approx.	NIL
20	Ibis Black	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
21	Ibis White	Minced buffalo meat and fish	100-150 gms approx., adlib.	100-150 gms approx., adlib.	NIL
22	Kite	minced meat	100-150 gms	100-150 gms	NIL
23	Koel	papaya	50-100 gms	50-100 gms	NIL
24	Lorry Chattering	sunflower seeds, rice paddy,	adlib., 40 ml milk one	adlib., 40 ml milk	NIL

		groundnut with cover, grams, hard fruits & vegetables, milk, bread & honey	piece bread	one piece bread	
25	Love Birds	cannery black seeds, kang cheena, greens	adlib	adlib	NIL
26	Myna Common	jowar bajra	30-40 gms	30-40 gms	NIL
27	Parakeet	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
28	Parakeet Alexandrine	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
29	Parakeet Blossom Headed	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
30	Parakeet Rose Breasted	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
31	Parakeet Rose Ring	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
32	Partridge Grey	sunflower seeds, rice paddy, groundnut with cover, grams,	adlib.,	adlib.,	NIL

		hard fruits & vegetables.			
33	Peafowl White	Jowar Bajra, Greens twice a day	100-200 gms & 50-100 gms	100-200 gms & 50-100 gms	NIL
34	Pelican Rosy/White	fish	500-900gms	500-900gms	NIL
35	Pheasant Golden	jowar bajra grains and greens	40-80 gms	40-80 gms	NIL
36	Pheasant Silver	jowar bajra grains and greens	40-80 gms	40-80 gms	NIL
37	Pigeon Crowned	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
38	Pigeon Pied Imperial	Cannery black seeds, jowar bajra	20-50 gms	20-50 gms	NIL
39	Rosella Eastern	sunflower seeds, rice paddy, groundnut with cover, grams, hard fruits & vegetables.	adlib.,	adlib.,	NIL
40	Sparrow Java	cannery black seeds, kang-cheena, greens	5-10gms	5-10gms	NIL
41	Stork Adjutant	Minced buffalo meat and fish	3-3.5 kgs approx.	3-3.5 kgs approx.	NIL
42	Stork painted	Minced buffalo meat and fish	1.0-1.5 kg approx., adlib.	1.0-1.5 kg approx., adlib.	NIL
43	Stork White Neck	Minced buffalo meat and fish	1.0-1.5kg. approx., adlib.	1.0-1.5kg. approx., adlib.	NIL
44	Vulture White Backed-Bengal	Buffalo meat and bones	800-1000gms	800-1000gms	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	
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	

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 & 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

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

- 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.

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	Jan 2022	No Zoonotic diseases found
2	Dr. D. P. Solanki	Asst. Zoo Superintendent (On Deputation)	Jan 2022	No Zoonotic diseases found
3	Mr. Bharatsinh P.Vihol	Education Inspector	Jan 2022	No Zoonotic diseases found
4	Dr. Sharva Shah	Veterinary Doctor (Contract Basis)	Jan 2022	No Zoonotic diseases found
5	Mr.Rakeshkumar C. Patel	Live Stock Inspector (On Deputation)	Jan 2022	No Zoonotic diseases found
6	Mr. Akram Shaikh	Live Stock Inspector (Contract Basis)	Jan 2022	No Zoonotic diseases found
7	Mr. Harshad Bhagora	Live Stock Inspector (Contract Basis)	Jan 2022	No Zoonotic diseases found
8	Mr.Farsuram.B.Patel	Head Animal Keeper (Contract Basis)	Jan 2022	No Zoonotic diseases found
9	Mr.Ranjitsinh.A.Jadeja	As. Head Ani. Keeper (Contract Basis)	Jan 2022	No Zoonotic diseases found

10	Mr. Vinodbhai T. Khaniya	Supervisor	Jan 2022	No Zoonotic diseases found
11	Mr. Pankajbhai P. Nayak	Supervisor	Jan 2022	No Zoonotic diseases found
12	Mr.Zahirabbas Yasinkhan	Animal Keeper	Jan 2022	No Zoonotic diseases found
13	Mr Maheubmiya Gulabnabi	Animal Keeper	Jan 2022	No Zoonotic diseases found
14	Mr Dineshbhai Sadrabhai	Animal Keeper	Jan 2022	No Zoonotic diseases found
15	Mr Ayubbhai Usmanbhai	Animal Sec Keeper	Jan 2022	No Zoonotic diseases found
16	Mr Ashok P. Patel	Animal Keeper	Jan 2022	No Zoonotic diseases found
17	Mr Mahendrasinh A Jadeja	Animal Keeper	Jan 2022	No Zoonotic diseases found
18	Mr Saiyadali Ajimuddin	Animal Keeper	Jan 2022	No Zoonotic diseases found
19	Mr Mohmadsharif H Qreshi	Animal Keeper	Jan 2022	No Zoonotic diseases found
20	Mr Bhagubhai D.Patel	Animal Keeper	Jan 2022	No Zoonotic diseases

				found
21	Mr Kiranbhai Naranbhai	Animal Keeper	Jan 2022	No Zoonotic diseases found
22	Mr Rameshbhai Becharbhai	Animal Keeper	Jan 2022	No Zoonotic diseases found
23	Mr Siyaram Babulal	Animal Keeper	Jan 2022	No Zoonotic diseases found
24	Mr Sravanbhai Kanjibhai	Animal Keeper	Jan 2022	No Zoonotic diseases found
25	Mr. Gopalsingh B. Rajput	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
26	Mr. Rasasingh D. Rajput	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
27	Mr. Sameer Z. Abbassi	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
28	Mr. Vikas K. Chauhan	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
29	Mr. Nilesh D. Dantani	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
30	Mr. Subham D. Dube	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
31	Mr. Vasim A. Pathan	Keeper on	Jan 2022	No Zoonotic

		Contract base		diseases found
32	Mr. Salim Y. Abbasi	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
33	Mr. Jahangir M. Pathan	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
34	Mr. Bhupendra B. Rajput	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
35	Mr. Rajendrasinh R. Jadeja	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
36	Mr. Shivam K. Gupta	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
37	Mr. Govind K. Chauhan	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
38	Mr. Amarsingh B. Rajput	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
39	Mr. Aarbaj H. Pathan	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
40	Mr. Madhav M. Chauhan	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
41	Mr. Vikramsinh P. Rajput	Keeper on Contract base	Jan 2022	No Zoonotic diseases found

42	Mr. Ujefkhan F. Pathan	Keeper on Contract base	Jan 2022	No Zoonotic diseases found
43	Mr. Ranchhodbhai. N Garasiya	Wireman	Jan 2022	No Zoonotic diseases found
44	Mr Firozkhan Hasankhan	Labour	Jan 2022	No Zoonotic diseases found
45	Mr.Dilavarkhan S. Pathan	Labour	Jan 2022	No Zoonotic diseases found
46	Mr Noormahmad Habibbhai	Labour	Jan 2022	No Zoonotic diseases found
47	Mr Jagatsinh Kaharsinh	Labour	Jan 2022	No Zoonotic diseases found
48	Mr. Umesh Vora	Labour	Jan 2022	No Zoonotic diseases found
49	Mr. Rajubhai Chelabhai	Labour	Jan 2022	No Zoonotic diseases found
50	Mr. Prakash Guarde	Labour	Jan 2022	No Zoonotic diseases found
51	Mr. Girish Vaghela	Labour	Jan 2022	No Zoonotic diseases found
52	Mr. Naresh Baraiya	Labour	Jan 2022	No Zoonotic diseases

				found
53	Mr. Kishan Mavji	Labour	Jan 2022	No Zoonotic diseases found
54	Mr Tulsibhai Dahyabhai	Safai Kamdar	Jan 2022	No Zoonotic diseases found
55	Mr. Rajesh Haribhai	Sweeper	Jan 2022	No Zoonotic diseases found
56	Mr. Ramkishor R. Yadav	Sweeper	Jan 2022	No Zoonotic diseases found

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

Tortoise to star at Kankaria



Ahmedabad: The Central Zoo Authority of India (CZAI) has directed the Kankaria Zoo in Ahmedabad to create awareness among the masses about the Indian Star Tortoise, which is found in Gujarat. Under the Azadi Ka Amrit Mahotsav, the CZAI has chosen 75 animals and 75 zoos in the country for an awareness campaign. The Kankaria Zoo has been chosen for the tortoise. The Indian Star Tortoise is marked as a threatened species on the IUCN (International Union for Conservation of Nature) Red List. TNN

19. Education and Awareness programmes during the year

Zoo Education Activity:

- Ahmedabad Zoo has celebrated Wildlife Week from 1st to 7th Oct 2021, Animal welfare fortnight 14th to 30th January 2022 and World wildlife day on 3rd March 2022 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.



- We have celebrated Azadi Ka Amrit Mahotsav Week 26th Species in focus Indian Star Tortoise (*Geochelone elegans*) Conservation to co-existence: The people connect.

Date : 6th September to 12th September 2021,

At Kamala Nehru Zoological Garden, Kankaria, Ahmedabad, Gujarat with Co-operation of Central Zoo Authority, New Delhi.

Amdavad Municipal Corporation | 75 Azadi Ka Amrit Mahotsav | सत्यमेव जयते | BNHS india | 75 CONSERVATION TO CO-EXISTENCE: THE PEOPLE CONNECT # 75 Weeks 75 Species 75 Zoos | Central Zoo Authority

Azadi Ka Amrit Mahotsav

Week 26th Species in Focus

Indian Star Tortoise
(*Geochelone elegans*)

**CONSERVATION TO CO-EXISTENCE:
THE PEOPLE CONNECT**

6th Sep to 12th Sep 2021

**Kamala Nehru Zoological Garden,
Kankaria, Ahmedabad, Gujarat 380 008
www.ahmedabadzoo.in**

https://twitter.com/CZA_Delhi
https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg

File Name: Banner_Zoo_04_09_2021.cdr

Size: 10x10 feet

Friends of Zoo Scheme

- No of Adopters – 23
- No. of Adopted Animals – 25
 - Mammals – 05
 - Birds – 08
 - Reptiles - 12
- Income Rs. 5, 33, 336/00

20. Important Events and happenings –

Azadi ka Amrut Mahotsav was celebrated at Kamala Nehru Zoological Garden, Kankaria, Ahmedabad during 6th September to 12th September 2021 as per guide line of Central Zoo Authority, New Delhi With co-operation of Publicity Department, Ahmedabad Municipal Corporation and Total 3, 95, 541 numbers of visitors were participated physically and online in this celebration.

Amdavad Municipal Corporation | Azadi Ka Amrut Mahotsav | सत्यमेव जयते | BNHS India | Conservation to Co-Existence: The People Connect | Central Zoo Authority

Azadi Ka Amrut Mahotsav

Week 26th Species in Focus

Indian Star Tortoise
(*Geochelone elegans*)

75 CONSERVATION TO CO-EXISTENCE:
THE PEOPLE CONNECT
India # 75 Weeks 75 Species 75 Zoos

**CONSERVATION TO CO-EXISTENCE:
THE PEOPLE CONNECT**

6th Sep to 12th Sep 2021

**Kamala Nehru Zoological Garden,
Kankaria, Ahmedabad, Gujarat 380 008
www.ahmedabadzoo.in**

https://twitter.com/CZA_Delhi
https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg



Azadi Ka Amrit Mahotsav

Week 26th Species in Focus



Indian Star Tortoise
(*Geochelone elegans*)

75 CONSERVATION TO CO-EXISTENCE:
THE PEOPLE CONNECT
India #75Weeks75Species75Zoos

CONSERVATION TO CO-EXISTENCE: THE PEOPLE CONNECT
6th Sep to 12th Sep 2021

Schedule of Events: **Kamala Nehru Zoological Garden**

Time	Event	Expert Name	Webinar ID
6th September 2021, Monday			
11.15 AM to 11.30 AM	Inauguration	Dr R K Sahu Director of Zoo Ahmedabad	https://twitter.com/CZA_Delhi
11.30 AM to 12.00 PM	Basic Introduction of Ahmedabad Zoo		https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg
7th September 2021, Tuesday			
11.00 AM to 12.00 PM	Expert Talk Indian Star Tortoise	Dr Kaid Johar, SR Associate Professor Coordinator-MSc in Wildlife Biology and Conservation Department of Zoology School of Sciences Gujarat University, Ahmedabad	https://twitter.com/CZA_Delhi https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg
8th September 2021, Wednesday			
04.00 PM to 05.00 PM	Expert Talk 	Mr Jose Louies Deputy Director & Chief-Wildlife Crime Control Division Wildlife Trust of India	Webinar Link: https://youtu.be/q0iNVWtwXLY 
9th September 2021, Thursday			
10.00 AM to 11.30 AM	Visit to Ahmedabad Zoo	Dr D P Solanki Asstt. Zoo Supt. Mr Bharatsinh P Vihol Education Officer	For students and visitors
10th September 2021, Friday			
09.30 AM to 11.30 AM	Cleanliness Drive	Head Animal Keeper Supervisor	Zoo staff
11th September 2021, Saturday			
04.00 PM to 05.00 PM	Expert Talk 	Dr R K Sahu Director of Zoo Ahmedabad	https://twitter.com/CZA_Delhi https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg
12th September 2021, Sunday			
10.30 AM to 11.30 AM	Touch Table and Keeper Talk to visitors	Zoo keeper	Zoo staff
11.30 AM to 12.00 PM	Closing Ceremony	Mr Bharatsinh P Vihol Education Officer, Ahmedabad	

<http://www.ahmedabadzoo.in/>

https://twitter.com/CZA_Delhi
https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg



Zoo in focus: **Kamla Nehru Zoological Garden**

Week 26th Species in Focus



Indian Star Tortoise (*Geochelone elegans*)

CONSERVATION TO CO-EXISTENCE: THE PEOPLE CONNECT

Ahmedabad Zoo Information:

Established in 1951, Kamla Nehru Zoological Garden is situated on the outer periphery of Kankaria Lake, Ahmedabad Municipal Corporation 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 and policies. However, the Central Zoo Authority (CZA) was established in 1992. In 1998 National Zoo Policies were formed.

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.

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 the development of Butterfly Park and Nocturnal Zoo. Presently, the zoo houses 46 species of birds, 21 species of mammals and 16 species of reptiles.

More than 30 lakh visitors visiting every year and this number are 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 guidance of the Director and continuous support authorities of the Ahmedabad Municipal Corporation making it 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 objectives are:

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



Classification:

Kingdom: Animalia
 Phylum: Chordata
 Class: Reptilia
 Order: Testudines
 Suborder: Cryptodira
 Family: Testudinidae
 Genus: *Geochelone*
 Species: *G. elegans*



This is most common and lovable species of reptile for human being for that people don't have fear they can understand it and many people inquiring to keep them as a pet which is illegal.

Zoos can play very important role to discourage keeping and trading them, many myth about star tortoise encouraging their trading, people collecting them from the wild which is very dangerous for their coexistence and survival,

Under Wildlife (Protection) Act, 1972 Keeping Star tortoise is punishable offence.

The **Indian star tortoise** (*Geochelone elegans*) is a threatened species of tortoise found in dry areas and scrub forest in India, Pakistan and Sri Lanka. The carapace of *G. elegans* is very convex, with dorsal shields often forming humps; the lateral margins are nearly vertical; the posterior margin is somewhat expanded and strongly serrated.

The head is moderate in size, with the forehead swollen, convex, and covered with rather small and irregular shields; the beak is feebly hooked, bi- or tricuspid; the edges of the jaws are denticulated; the alveolar ridge of the upper jaw is strong.

The patterning, although highly contrasting, is disruptive and breaks the outline of the tortoise as it sits in the shade of grass or vegetation. They are mostly herbivorous and feed on grasses, fallen fruit, flowers, and leaves of succulent plants, and will occasionally eat carrion. In captivity, however, they should never be fed meat.

The sexual dimorphism of adult Indian star tortoises is quite apparent. Females are considerably larger than their male counterparts. In addition, the females' plastrons are much flatter than those of the males, which have a concave shape. The shape of this creature is presumed to be specially adapted to naturally assist it to return to a stable stance after it has been turned over.

They range from India (except Lower Bengal), extending west to Sindh province (Pakistan) and Sri Lanka. A large number of specimens of this species are found in the illegal wildlife trade in India. Few studies exist which have quantified wild populations and the effect of trade on them.



Mr Jose Louies
Deputy Director &
Chief - Wildlife Crime Control Division,
Wildlife Trust of India



Dr R K Sahu
Director of Zoo
Ahmedabad

Watch Live!
CZA's YouTube Channel

Webinar Link:
<https://youtu.be/q0iNVWtXLY>



<http://www.ahmedabadzoo.in/>

21. 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.



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22. Research Work carried out and publications

Students list of Research Study in Ahmedabad Zoo :

******* COVID-19 Pandemic period*******

- 1. Mrs. Meera Shah, Consultant,
B. Sc. Microbiology, M. G. Science College,
Gujarat University, Ahmedabad.**

Subject: To work as volunteer.

- 2. Capt. Bansari Shah, Commercial Pilot,
Employed with Go Airlines India Ltd.
M. Sc. Physics, School of Science,
Gujarat University, Ahmedabad.**

Subject: To work as volunteer.

- 3. MS. Subhashree Sahoo,
Junior Research Fellow,
Wildlife Institute of India,
Dehradun.**

Subject: To collect biological samples of Indian Star Tortoises.

- 4. Mr. Juned Tanvar,
M. Sc. Zoology Student, School of Science,
Gujarat University,
Ahmedabad.**

Subject: Behaviour of Indian Leopard in the captivity.

- 5. Ms. Chena Desai,
PhD Student, Biological and
Life Sciences division,
School of Arts and Sciences
Ahmedabad University,
Ahmedabad.**

**Subject: Understanding pheromone and odour cues in Tigers
and Leopards**

**6. Dr. Shashank Dave,
PhD Student, Department of
Veterinary Medicine,
Kamdhenu University,
Anand.**

Subject: To collect biological samples of Indian Flying Fox.

23. Conservation Breeding Programme of the Zoo

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



24. Animal acquisition / transfer / exchange during the year

As per the permission of Central Zoo Authority, New Delhi Sakkarbaug Zoo, Junagadh has given one pair Asiatic lion to Ahmedabad Zoo on 08.03.2022 under Animal exchange programme of 70 different birds to Sardar Patel Zoological Park, Kevadiya, Gujarat on previous year on date 20.10.2020.

Sr.No.	Name of the species	No.
1	Asiatic Lion	1 : 1



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.01.04.2020				Births			Acquisition			Disposal			Death			Closing Stock as on Dt.31.03.2021				
			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>	0	1	0	01														0	1	0	01
2	Black Buck	<i>Antilope cervicapra</i>	1	0	0	01														1	0	0	01
3	Cat Jungle	<i>Felis chaus</i>	1	0	0	01														1	0	0	01
4	Civet Common Palm	<i>Paradoxurus Hermaphroditus</i>	3	1	0	04									2	0	0			1	1	0	02
5	Elephant Indian	<i>Elaphus maximus</i>	0	1	0	01														0	1	0	01
6	Jackal	<i>Canis aureus</i>	4	12	0	16	1	0	1											6	12	0	18
7	Langur Common	<i>Semnopithecus entellus</i>	22	9	0	31	0	1	0											22	10	0	32
8	Leopard/Panther	<i>Panthera pardus</i>	4	2	0	06														4	2	0	06
9	Lion Indian	<i>Panthera leo persica</i>	1	1	0	02				1	1	0								2	2	0	04
10	Macaque Bonnet	<i>Macaca radiata</i>	3	1	0	04														3	1	0	04
11	Macaque Rhesus	<i>Macaca mulatta</i>	25	21	0	46	1	1	2						0	1	0			26	23	0	49
12	Otter Common	<i>Lutrogale perspicillata</i>	1	1	0	02														1	1	0	02
13	Porcupine Bengal	<i>Atherurus macrourus</i>	0	0	80	80	0	0	2						1	0	1			0	0	80	80
14	Tiger Bengal	<i>Panthera tigris tigris</i>	1	0	0	01														1	0	0	01
15	Tiger Bengal (White)	<i>Panthera tigris tigris</i>	0	1	0	01														0	1	0	01
16	Peafowl	<i>Pavo cristatus</i>	9	25	0	34	1	0	0											10	25	0	35
17	Pigeon Nicobar	<i>Caloenas nicobarica</i>	0	0	24	24	0	0	2						1	0	0			0	0	25	25
18	Spoonbill White	<i>Platalea leucorodia</i>	0	0	39	39	0	0	1											0	0	40	40
19	Vulture White Backed-Bengal	<i>Gyps bengalensis</i>	0	0	5	05									1	0	0			0	0	4	04
20	Kite	<i>Milvus migrans govinda</i>	0	0	1	01														0	0	1	01
21	Cobra Indian	<i>Naja naja</i>	0	0	14	14														0	0	14	14
22	Crocodile Long Snouted -	<i>Gavialis gangeticus</i>	0	0	3	03														0	0	3	03

	Patagonian	<i>patagonus</i>																		
14	Connure Green Cheeked	<i>Pyrrhura molinae molinae</i>	2	2	0	4									2	2	0		04	
15	Connure Yellow Sided	<i>Pyrrhura molinae molinae</i>	1	2	0	3						0	2	0	1	0	0		01	
16	Cormorant Little	<i>Phalacrocorax niger</i>	0	0	2	22	0	0	2						0	0	24		24	
17	Crane Crowned	<i>Baelearica pavonina</i>	0	2	0	02									0	2	0		02	
18	Dove Rufous Turtle	<i>Streptopelia orientalis</i>	0	0	1	17									0	0	17		17	
19	Duck Comb	<i>Sarkidiornis melanotos</i>	0	0	1	10	0	0	2				1	0	0	0	0	11		11
20	Egrets	<i>Egretta garzetta</i>	0	0	1	12									0	0	12		12	
21	Emu	<i>Dromaius novaehollandiae</i>	0	0	1	19	0	0	1				0	1	1	0	0	18		18
22	Finches	<i>Chloebia</i>	0	0	5	05	0	0	10						0	0	15		15	
23	Goose Grey leg	<i>Anser anser</i>	0	0	3	03							0	1	0	0	0	2		02
24	Heron Indian Reef	<i>Egretta gularis</i>	0	0	1	01									0	0	1		01	
25	Heron Night	<i>Nycticorax nycticorax</i>	0	0	6	69	0	0	6						0	0	75		75	
26	Ibis black	<i>Pseudibis papillosa</i>	0	0	1	01									0	0	1		01	
27	Ibis White	<i>Threskiornis melanocephalus</i>	0	0	4	43	0	0	4				0	0	2	0	0	45		45
28	Koel	<i>Eudynamis scolopacea</i>	0	0	1	01									0	0	1		01	
29	Lorry chattering	<i>Eos rubra</i>	0	1	0	01									0	1	0		01	
30	Love Birds	<i>Agapornis</i>	0	0	8	85	0	0	9				0	0	7	0	0	87		87
31	Myna Common	<i>Acridotheres tristis</i>	0	0	4	04									0	0	4		04	
32	Parakeet African grey	<i>Psittacus erithacus</i>	0	0	2	02									0	0	2		02	
33	Parakeet Alexandrine	<i>Psittacula eupatria</i>	0	0	5	55	0	0	3				1	0	0	0	0	57		57
34	Parakeet Blossom Headed	<i>Psittacula cyanocephala</i>	0	0	7	07	0	0	4						0	0	11		11	
35	Parakeet Rose Breasted	<i>Psittacula alexandri</i>	0	0	1	18							1	0	1	0	0	16		16
36	Parakeet Rose Ring	<i>Psittacula krameri</i>	0	0	8	86	0	0	4				0	1	0	0	0	89		89
37	Partridge Grey	<i>Francolinus pondicerianus</i>	1	0	0	01									1	0	0		01	

38	Pelican Rosy	<i>Pelecanus onocrotalus</i>	0	0	4	48	0	0	2								0	0	50	50
39	Pheasant Golden	<i>Chrysolophus pictus</i>	3	1	0	04							0	1	0		3	0	0	03
40	Pheasant Silver	<i>Lophura nycthemera</i>	2	1	0	03							2	0	0		0	1	0	01
41	Pigeon Crowned	<i>Goura cristata</i>	2	1	0	03											2	1	0	03
42	Pigeon Pied Imperial	<i>Ducula bicolor</i>	1	1	0	02											1	1	0	02
43	Rosella Eastern	<i>Platycercus eximius</i>	0	1	0	01											0	1	0	01
44	Sparrow Java	<i>Padda oryzivora</i>	0	0	2	24	0	0	3				0	0	2		0	0	25	25
45	Stork Adjutant	<i>Leptoptilos dubius</i>	0	0	1	01											0	0	1	01
46	Stork Painted	<i>Mycteria leucocephala</i>	0	0	4	04											0	0	4	04
47	Stork White Neck	<i>Ciconia episcopus</i>	0	0	1	01											0	0	1	01
48	Krait	<i>Bungarus caeruleus</i>	0	0	2	02											0	0	2	02
49	Boa Johns	<i>Eryx johnii</i>	0	0	5	05											0	0	5	05
50	Boa Russels	<i>Gongylophis conicus</i>	0	0	5	05											0	0	5	05
51	Snake Trinket	<i>Coelognathus helena</i>	0	0	1	01											0	0	1	01
52	Tortoise Indian Star	<i>Geochelone elegans</i>	0	0	8	83											0	0	83	83
53	Turtle	<i>Lissemys punctata</i> & <i>Trachemys scripta elegans</i>	0	0	6	60	0	0	5								0	0	65	65
54	Green Anaconda	<i>Eunectes murinus</i>	2	2	0	04											2	2	0	04
		Total of other than Endangered Species	1	1	1												1	1		
			0	3	6				10								1	5	12	
			7	9	2	1508	8	8	2				9	1	4		4	7	83	1562
		Grand Total	2	2	1												2	2		
			1	4	5		1	1	11				1	1	4		3	6	14	
			3	2	0	1905	1	0	7	1	1	0	4	3	5		5	6	72	1973

27. Mortality of animals

Summary of Death during Apr - 2021 to Mar - 2022 Kamla Nehru Zoological Garden, Kankaria, Ahmedabad.

Sr. No.	Name of Species	Date	No.	Cause of Death
Mammals				
1	Common palm civet (M)	09/08/21	1	Old age
2	Common palm civet (M)	25/01/22	1	Old age
3	Macaque Rhesus (F)	09/05/21	1	Infighting
4	Porcupine Bengal (M)	10/07/21	1	Infant Mortality
5	Porcupine Bengal (M)	08/10/21	1	Senility
6	Deer Hog (M)	05/04/21	1	Renal failure
7	Deer Hog (F)	05/09/21	1	Senility
8	Deer Hog (F)	11/01/22	1	Old age
9	Deer Sambar (F)	14/07/21	1	Old age
10	Deer Spotted (M)	18/04/21	1	Senility
11	Deer Spotted (F)	04/08/21	1	Old age
12	Deer Spotted (M)	19/08/21	1	Senility
13	Deer Spotted (M)	28/10/21	1	Internal injury
14	Deer Spotted (F)	12/12/21	1	Old age
Total Mammals			14	
Birds				
1	Pigeon Nicobar (M)	26/07/21	1	Old age
2	Budgerigar	Diff. Date	10	E. Stress, Senility, Old age, Egg bound condition
3	Cockatiel	Diff. Date	21	E. Stress, Senility, Old age, Egg bound condition
4	Connure Yellow Sided(F)	10/07/21	1	Old age
5	Connure Yellow Sided(F)	02/12/21	1	Old age
6	Comb Duck(M)	22/12/21	1	Senility
7	Emu(F)	01/12/21	1	Gastroenteritis
8	Emu(M)	18/01/22	1	Infighting
9	Grey Leg Goose(F)	14/02/22	1	Old age
10	Ibis White	16/07/21	1	Old age
11	Ibis White	16/01/22	1	Old age
12	Love Birds	Diff. Date	7	E. Stress, Senility, Old age

13	Parakeet Alexandrine(M)	11/02/22	1	Old age
14	Parakeet Rose Breasted(M)	04/06/21	1	Senility
15	Parakeet Rose Breasted(M)	16/08/21	1	Old age
16	Parakeet Rose ringed(F)	12/12/21	1	Old age
17	Golden Pheasant(F)	24/01/22	1	Internal injury
18	Pheasant Silver(M)	28/07/21	1	Senility
19	Pheasant Silver(M)	02/09/21	1	Old age
20	Sparrow Java	13/04/21	1	Old age
21	Sparrow Java	14/05/21	1	Old age
22	Vulture White Backed(M)	01/06/21	1	Old age
	Total Birds		57	
Reptiles				
1	Marsh Crocodile(F)	13/11/21	1	Senility
	Total Reptiles		1	
	Grand Total of Animals		72	

28. Compliance with conditions stipulated by the Central Zoo Authority

Sr. No	Norm No. under RZR.	Condition	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
2. Administrative and staffing pattern:					
1	10.2(2)	Post of the Curator, the Education Officer and the Biologist should be filled.	Six months	11/01/21	Already Education Officers working in Ahmedabad Zoo on scheduled post. In Process.
4. Animal housing, display of animals and animal enclosures:					
2	10.4(2)	Design of enclosures of Porcupine and Jackal need to be modified as per norms prescribed by the CZA.	Six months	11/01/21	In Process.
3	10.4(5)	Enclosure for monkey/langur not yet modified as per norms prescribed by the CZA due to lack of NOC of the ASI. Matter should be pursued at competent level.	Six months	11/01/21	In Process.
4	10.4(10)	There should be uniformity in dimension and colour pattern of the signage's.	Three months	11/01/21	Implemented.
5	10.4(10)	Interpretation facilities should be made interactive.	One year	11/01/21	Implemented.
5. Upkeep and healthcare of animals:					
6	10.5(2)	There should be a proper footbath at the entry of meat preparation facility.	One month	11/01/21	Implemented.
7	10.5(8)	Schedule of vaccination and deworming should be displayed at the enclosure site.	Immediately	11/01/21	Implemented.
8	10.5(10)	Keeper's Diary should be maintained by the concerned Keeper.	Immediately	11/01/21	Implemented.
6. Veterinary and infrastructure facility:					

9	10.6(3)	Quarantine facility should be developed.	One year	11/01/21	In Process.
10	10.6(3)	A new post-mortem facility should be developed.	One year	11/01/21	Implemented.
11	10.6(5)	Post of the Lab Assistant should be filled.	One year	11/01/21	We are in touch with Anand Veterinary college and Govt. disease investigation lab for checking samples.
12	10.6(6)	MoU signed at present is for imparting internship training to the students of college of Veterinary Science. MoU for health care, preventive health management, surgical interventions, clinical tests, etc. Should also be signed.	Six month	11/01/21	We have already done MoU with Veterinary Universities of the state of Gujarat.
7. Post-mortem and disposal of carcasses of animals:					
13	10.7(4)	Incinerator should be installed in the zoo away from all animal enclosures.	Three months	11/01/21	Implemented.
9. Acquisition and breeding of animals:					
14	10.9(4)	Jungle cat, Hyena and Gharial are unpaired. Necessary action should be taken for their pairing.	Six months	11/01/21	We are corresponding with other zoo under Animal Exchange programme.
15	10.9(4)	Regarding the lone Elephant kept in the zoo and its enclosure, the matter should be discussed with the CZA and the issues be settled.	One year	11/01/21	AS per permission of CZA F. No 26-1/2010-CZA(Vol.III)(M)/4189 Dated. 21.01.2014
16	10.9(6)	Conservation breeding of Nicobar pigeon be taken up with Andaman Forest Department and a scientific conservation breeding plan be prepared.	One year	11/01/21	We are corresponding with Andaman forest department for conservation breeding of Nicobar pigeon.

29. 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	Green 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
48	Indian Treepie
49	Coppersmith Barbet