

KAMLA NEHRU PRANI SANGRAHALAYA,  
INDORE



Annual Report for the year  
2020-2021



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## Report of the Officer-in-charge



It brings me great pleasure to bring out this annual report for the year zoo 2020-2021, which highlights some of the immense work done at Indore Zoo during this period.

Fundamentally the establishment of Zoo is aimed at ex-situ conservation breeding, education and research. Indore zoo is currently housing 65 indigenous and exotic species numbering around 620 specimens.

The breeding programs especially for Lions, Tiger, Wolf, Ghariyals, Fox has given excellent results. Indore Zoo has been attracting lakh of visitors every year and visitor facilities include clean and green gardens, information kiosks, canteen, parking etc.

Covid -19 lockdown has been a major setback for man Zoos in the country. I am thankful to **Smt. Malini Laxmansingh Goud**, Hon. Mayor of Indore, **Smt. Pratibha Pal** IAS ; Commissioner - Indore Municipal Corporation and **Shri. Krishna Chaitanya**, IAS ; Addl. Comm – IMC (Zoo) for their immense support and guidance in management of Indore Zoo.

I also would like to acknowledge and thank my support team and staff for their dedication and hard word which has together resulted in overall development of the Zoo even in these testing times.

A handwritten signature in blue ink, appearing to be 'Uttam Yadav', written over a light blue grid background.

***Dr. Uttam Yadav, Director – Indore Zoo***

## History of the Zoo :

*Kamla Nehru Prani Sangrahalaya or Indore Zoo* is a zoological garden located in Navlakha; Indore is fully owned and managed by Indore Municipal Corporation. This is one of the largest zoological garden of the state and one of the oldest zoological parks of Madhya Pradesh spread over an area of 51.975 Acres.



Mega Entrance of Indore Zoo

## **KAMLA NEHRU PRANI SANGRAHALAYA**

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### **Our Vision:**

Our vision is to be the leading ex-situ conservation organization in the country with a world class facility for Wildlife Conservation and Education.

### **Our Mission:**

Our Mission is to mobilize communities to commit to the conservation of wildlife. We will achieve this by connecting people through following ways:

- > **Leading the Way** by communicating and demonstrating the role of conservation and research in all we do.
- > **Opening the door** by providing exceptional wildlife education that reach beyond the boundaries of our campuses.
- > **Catalysing action** through inspiring experiences that motivate participation, leading to conservation and sustainability outcomes through conservation breeding and exemplary animal welfare and care.

### **ZOO GOAL:**

Indore Zoo is an ex situ conservation and breeding centre which thrives to emerge as a dedicated conservation, research and education facility for all wildlife enthusiast.

Zoo has a tagline as follows which is religious followed by all our staff members:

***To Conserve, Educate and Re create!***

Apart from serving as a conservation centre, Education is given as a top priority at Indore Zoo. From educational signage to talk shows, workshops, events and seminar; we are dedicated to achieve our common goal of Awareness to Action to produce future wildlife ambassadors!

### About us

S.No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	<b>Kamla Nehru Prani Sangrahalaya</b>
2	Year of Establishment	<b>1974</b>
3	Address of the Zoo	<b>Navlakha, Indore.</b>
4	State	<b>Madhya Pradesh</b>
5	Telephone Number	<b>744 044 2236</b>
6	Fax Number	-
7	E-mail address	<a href="mailto:indorezoo@gmail.com">indorezoo@gmail.com</a>
8	Website	<a href="http://www.indorezoo.in">www.indorezoo.in</a>
9	Distance from nearest	Airport: <b>11 km</b>
		Railway Station: <b>2.4 km</b>
		Bus Stand: <b>1 km</b>
10	Recognition Valid upto (Date)	<b>August 19, 2022</b>
11	Category of zoo	<b>Small</b>
12	Area (in Hectares)	<b>21.0335</b>
13	Number of Visitors (Financial Year)	Total Indian : 5,90,513 (2 months)

<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
	<b>2020-2021</b>	Total Foreigners : 5
		Total Visitors: 5,90,518
14	Visitors' Facilities Available in Zoo	<b>Toilets, Canteen, Wheel Chair, Baby Prams, Sign Boards, First Aid, Zoo Police, Zoo Corps (Guides), Gardens, Parking, Kiosk, Battery Operated Vehicles.</b>
15	Weekly Closure Day of the Zoo	<b>Monday</b>
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	<b>Dr. Uttam Yadav</b>
	Name of the Veterinary Officer	<b>Dr. Akhilesh Upadhyay</b>
	Name of the Education Officer /Curator	<b>Er. Nihar Parulekar</b>
	Name of the Biologist	-
	Name of Zoo Keeper	<b>Rakesh Yadav</b>
	Name of the Compounder/ Lab Assistant	<b>Balkrishna Mahajan</b>
<b>Owner / Operator of the Zoo</b>		
17	*Name of the Operator	<b>Indore Municipal Corporation</b>

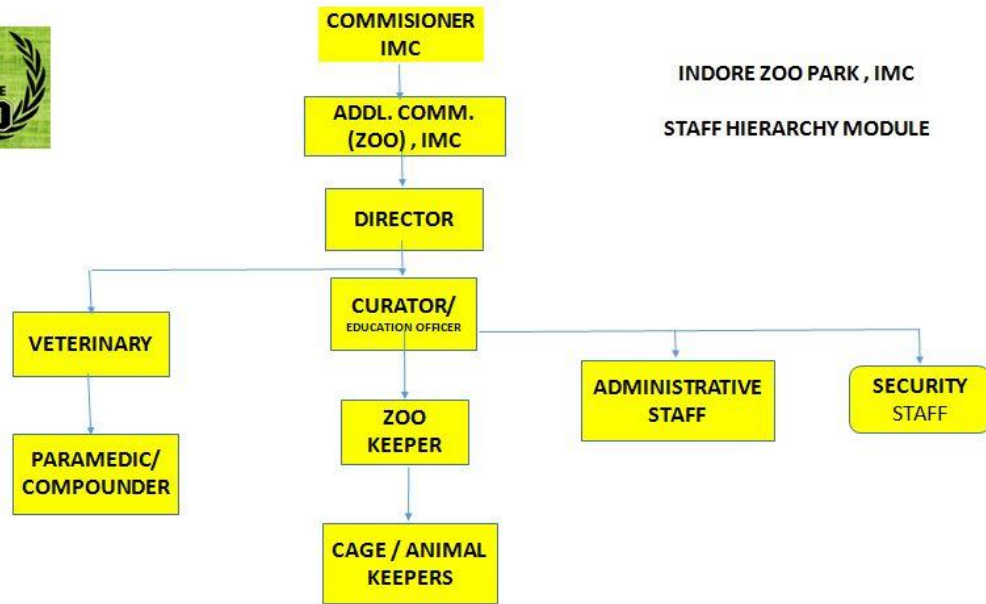


S.No.	Particulars	Information
18	Address of the Operator	<b>Nagar Nigam, Indore.</b>
19	Contact details/Phone number of Operator	<b>Commissioner, I.M.C</b> <b>7440443322</b>
20	E-mail address of Operator	<a href="mailto:indorezoo@gmail.com"><u>indorezoo@gmail.com</u></a>

### Organizational Chart

The Zoo has a dedicated staff of around **120 employees** along with ***Engineering and Gardening section***, with a working hierarchy as following:





## Human Resources

### Manpower of the Zoo\*

S.NO.	Name of Post	Post Sanctioned	Post Filled Up	Vacant
1.	Officer Incharge/Director	1	1	0
2.	Veterinary Officer	1	1	0
3.	Education Officer/Curator	1	1	0
4.	Senior Clerk	1	1	0
5.	Zoo Supervisor	1	0	1
6.	Clerk	3	1	2
7.	Compounder	1	0	1
8.	Zoo Superintendent	1	1	0
9.	Computer operator	1	1	0
10.	Driver	3	3	0
11.	Feed Store Keeper	5	1	4
12.	Zoo keeper	1	1	0
13.	Mahout	1	1	0
15.	Mistri	1	1	0
16.	Security Guard	2	24 (22	0

			outsourced)	
17.	Store Keeper	1	0	1
18.	Mali	11	11	0
19.	Admin Staff (Cashier/Booking clerk/Office Staff)	12	8	4
20.	Sapera	1	1	0
21.	Ayaa	2	1	1
22.	Bhishti	2	0	2
23.	Beldar	5	25 (20 musteroll)	0
24.	Paramedic Staff	2	2	0
25.	Painter & Artist	1	0	1
26.	Black smith	2	0	2
27.	Welder	1	1	0
27.	Welder Asst.	1	1	0
28.	Electrician	2	2	0
29.	Plumber	1	1	0
30.	Animal Keeper	5	4	1
31.	Cage Keepers	20	20	0
32.	Peon	1	1	0
33.	Sweepers (Musteroll)	-	4	0

**Total Staff Sanctioned: 116, Total Staff Working – 120**

**1. 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	Gabbar Nath	Reptile	2 Days	Online
2	Ankit Raikwar	Reptile	2 Days	Online
-	-	-	-	-

**2. Zoo Advisory Committee –**

Under constitution.

**3. Health Advisory Committee–**

a. Date of constitution : 3/5/2017

**b. Members:**

Dr. Uttam Yadav (Director – Indore Zoo);  
Member - Mhow Govt. Veterinary College.

**c. Dates on which Meetings held during the year :**

21/4/2020, 13/6/2020; 25/9/2020, 9/1/2021.

**4. Statement of income and expenditure of the Zoo**

**Visitation and Revenue**

Indore Zoo is open to public from Tuesday to Sunday (6 Days) and every Monday is a Zoo holiday. The Tariff for entry into the Zoo is Rs 20/- for 3 years and above.

**Timings of the Zoo**

March to June: 9:00 AM to 7:00PM, July to Feb: 9:00 AM to 6:00 PM

Revenue of the Zoo for the F.A 2020-2021:

From Ticketing: Rs. 1,18,10,265  
Camera Ticketing: Rs. 48,700  
Foreign Visitors: Rs. 500  
Other Income: Rs. 29,35,686

**Total Income: Rs. 1,47,94,651**



### Daily feed Schedule of animals

Sl.No.	Species	Feed item	Quantity per animal		Day of fasting
			Winter	Summer	
1.	Birds  Pheasants & Fowls  Peacocks  Parrots & Lorry, Parakeets  Emu	Mixed Grains, Green Vegetables, Germinated Green Gram, Seasonal Fruits, Crush Maize, Crushed Sorghum, Pearl Millet	100 gms 25 gms 25 gms 100 gms 25 gms 50 gms	100 gms 25 gms 25 gms 100 gms 25 gms 50 gms + Calcium , Multivitamin drops & ORS mixture to prevent dehydration	Nil
2.	Egyptian vulture Eagle Owl Barn Owl Rosy Pelican Sauras Crane Painted Stork Ibis	Rats, Chicken Liver, Fish, Keema	200-250 gms, 1 Rat (alternate day), 300 gms	200-250 gms, 1 Rat (alternate day), 300 gms	Monday
3.	Macaque,  Langoor	Mixed Green Vegetables,  Seasonal Fruits	300-400 gms per fruit,  700 gms vegetables.	200-300 gms per fruit,  600 gms vegetables.	Nil
4.	Reptiles:  Python Crocodile Mugger Gharial Flapshell Turtle , terrapins,	Live Chicken, Live Rabbit, (Python) (Mugger) Chicken Meat, Mutton,	2 rabbit/chicken twice a week (Python),  3 kgs chicken/mutton	2 rabbit/chicken twice a week (Python),  3 kgs chicken/mutton	

	Star tortoise Monitor Lizard, Iguana	(Tortoise) Green Vegetables, (Turtle/Monitor Lizard) Fish, Boiled Eggs,	twice a week (Crocodile), 300 gms fishes (Ghariyal), 100 gms vegetables, 100 gm fish / 2 eggs(Monitor Lizard), 50 gms vegetable.	twice a week (Crocodile), 300 gms fishes (Ghariyal), 100 gms vegetables, 100 gm fish / 2 eggs(Monitor Lizard), 50 gms vegetable.	
5.	Porcupine  Hedgehogs Pam civet	(Porcupine) Vegetables, Fruits,  Chicken Liver, Boiled Eggs	200 gms (Fruits/Vegetable)  100 gms, 50 gms, 2 boiled eggs	200 gms (Fruits/Vegetable)  100 gms, 50 gms, 2 boiled eggs	
6.	Herbivores :  Sambar Deer, Nilgai	Concentrated Mix Green Grass Dry Hay feed	600 gms 20 kgs 10 kgs	600 gms 20 kgs 10 kgs	
7.	Spotted Deer, Black Buck, Chinkara,	Concentrated Mix Green Grass Dry Hay feed	400 gms 15 kgs 05 kgs	400 gms 15 kgs 5 kgs	
8.	Elephant  Hippopotamus	Concentrated Mix, Green Grass, Vegetables, Sugar Cane (Elephant) Wheat Cake, Tree Leaves	10 kgs, 80 kgs, 10 kgs, 20 kgs, 5 kgs, 1 Qnt. (Hippo) 10 Kgs, 40 Kgs, 5 Kgs. (Potato)	10 kgs, 80 kgs, 10 kgs, 20 kgs, 5 kgs, 1 Qnt. (Hippo) 10 Kgs, 40 Kgs, 5 Kgs.(Potato)	
9.	Black Bear  Sloth Bear	Vegetables, Fruits, Wheat Cake, Meat Biryani,	100 gms 2 kgs 2 kgs	100 gms 2 kgs 2 kgs	

		Milk and Honey, Milk Rice Honey	2 kgs 1 ltrs / 50 gm, ½ ltr + ½ kg + 25 gms	1 kgs 1 ltrs / 50 gm, ½ ltr + ½ kg + 25 gms	
10.	Lion	Mix of Beef, Mutton, Pork, Chicken.	Male – 11 kgs Female – 9 kgs	Male – 10 kgs Female – 8 kgs	Monday
11.	Tiger	Mix of Beef, Mutton, Pork, Chicken.	Male – 8 kgs Female – 7 kgs	Male – 7 kgs Female – 6 kgs	Monday
12.	Leopard	Mix of Beef, Mutton, Pork, Chicken.	Male – 5 kgs Female – 4 kgs	Male – 4 kgs Female – 3 kgs	Monday
13.	Jungle Cat	Mix of Beef, Mutton, Pork, Chicken.	800 gms	500 gms	Monday
14.	Hyena	Mix of Beef, Mutton, Pork, Chicken.	1.5 Kg	1Kg	Monday
15.	Wolf	Mix of Beef, Mutton, Pork, Chicken.	1.5Kg	1Kg	Monday
16.	Jackal	Mix of Beef, Mutton, Pork, Chicken.	1 Kg	800 gms	Monday
17.	Fox	Mix of Beef, Mutton, Pork, Chicken, Boiled Eggs	500 gms + 2 Boiled Eggs	400 gms + 1 Boiled Egg	Monday

### 5. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Felid Family	Feline Panleukopenia	Vanguard Raksha Rab	Yearly Yearly	
2	Canid Family	C.D. Parve I.C.H. CAV – 1, CAV - 2 Rabies	Vanguard Raksha Rab	Yearly Yearly	
3	Herbivores	H.S. BQ FMD	H.S. B.Q. FMD	Before on set of Monsoon	

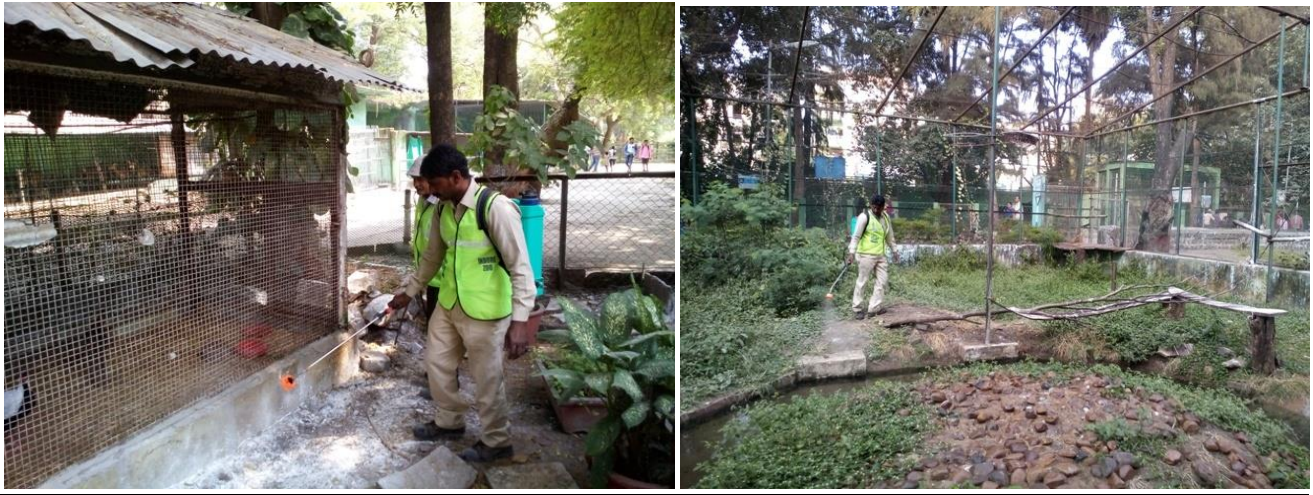
## 6. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	Carnivores	Albendazole Bolus/ Kiwof Plus XL/Fenbendazole/ivermectine	Quarterly
2	Herbivores	Albendazole Bolus/ Kiwof Plus XL/Fenbendazole/ivermectine	Quarterly
3	Birds	Albendazole Bolus/ Kiwof Plus XL/Fenbendazole/ivermectine	Quarterly
4	Reptiles	Albendazole Bolus/ Kiwof Plus XL/Fenbendazole/ivermectine	Quarterly

## 7. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Carnivores	Open/ Semi Dry	D 125, BioShields, Enviroguard  Spray using electric pump	Weekly
2	Herbivores	Open / Wet/Semi Dry	D 125, BioShields, Enviroguard  Spray using electric pump	Weekly
3	Birds	Closed / Dry	D 125, BioShields, Enviroguard  Spray using electric pump	Weekly
4	Reptiles	Closed / Dry	D 125, BioShields, Enviroguard  Spray using electric pump	Weekly





## **8. Health Check-up of employees for zoonotic diseases**

A total of 120 Zoo employees work at Indore Zoo. We conduct medical test for zoonotic and other diseases once a year. This year also the test was conduct on 31<sup>st</sup> January and findings were as below.

- No one was diagnosed with any Zoonotic diseases.

**Total no. of Employee tested: 108**

**Normal: 89**

**High Cholesterol: 16**

**Diabetic: 14**

**Anaemic: 1**

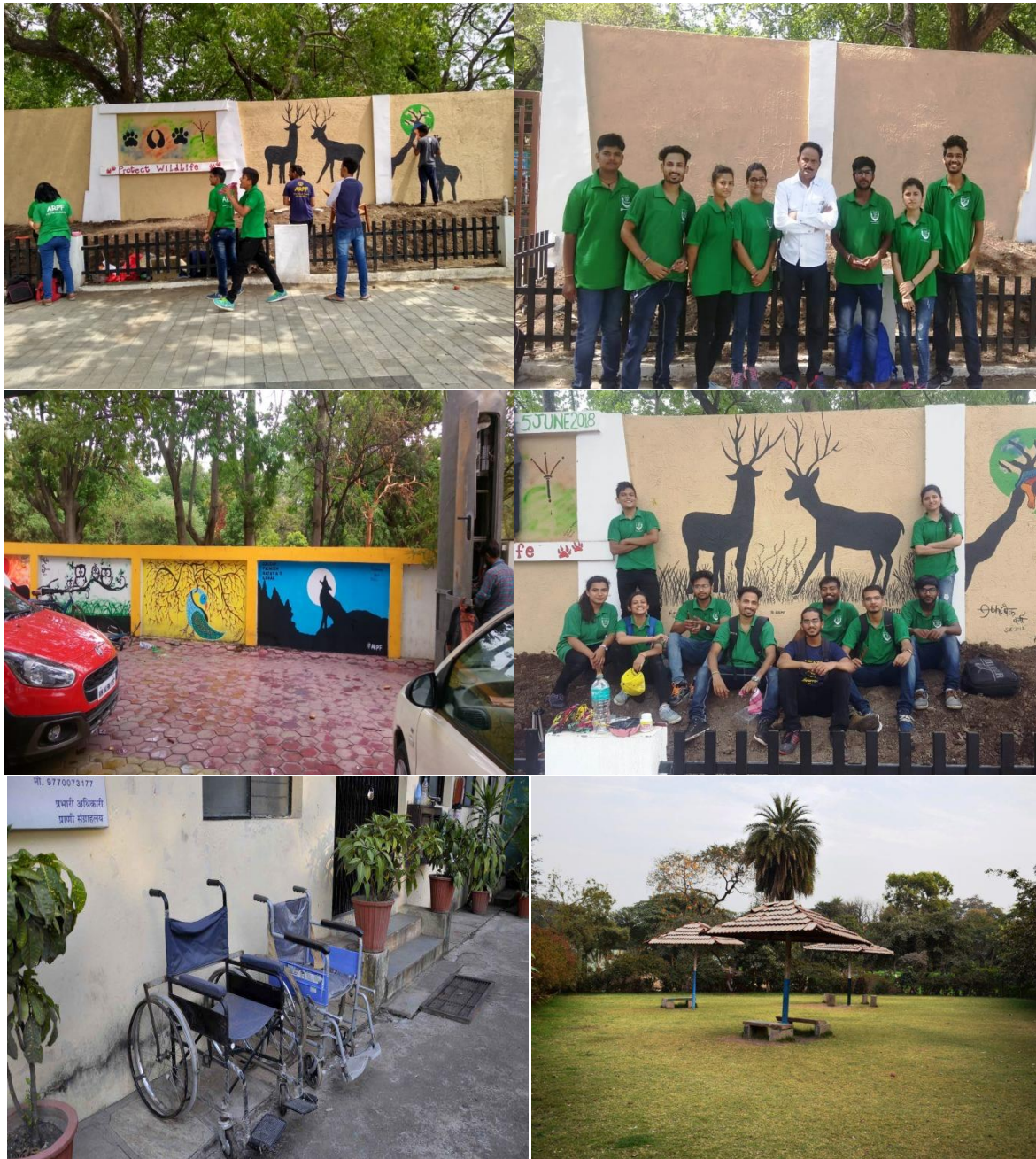
**Total Staff Vaccinated for Covid – 19 : 120 (all staff members)**

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

Indore Municipal Corporation and Zoo management is constantly working for the betterment of Zoo so as to provide better environment and enclosures for our inmates, excellent public facilities while ensuring compliance of all the norms, rules and regulations of Central Zoo Authority. This year development work carried out in the zoo is as follows:

- Development of Gardens, Open Bird Park and Butterfly garden.
- Increase of Boundary Wall height of the Zoo with razer fencing.
- Installation of CCTV Cameras, Control Room and Public Addressal System.
- Induction of 8 Motorola Walky Talky sets for better communication among management and animal keepers.
- Construction of New main gate of the Zoo.
- New wildlife themed Selfie points and water falls for public education and attraction.

- Enrichment and repair of enclosures and facilities for housing animals.
- Development of Fodder Bank at the Zoo on 8 acre land.
- Construction of new kiosk and shades for public facility during rainy season.
- Mega Plantation work undertaken inside the zoo especially on footpaths and new enclosures.
- Construction of new souvenir shop at the Zoo.
- Painting of Zoo boundary walls on the theme of wildlife conservation to spread the message of conservation among public.
- Up gradation and construction of new washrooms and toilets.
- New Wheel chairs and children pramps and Battery operated Vehicles for visitors.
- Up gradation of our zoo Hospital.
- Painting and enrichment work of our enclosures.



10. Education and Awareness programmes during the year :

Education Officer's Message: **Er. Nihar Parulekar.**



Indore Zoo is an institution which is committed to the conservation and welfare of wildlife. It is not only a place to see but also a place to learn and contribute. From our specialized conservation breeding program to dedicated research and internships, we at Indore Zoo constantly thrive to provide our visitors with best possible experiential learning visit.

Animals at the zoo are ambassadors for their cousins in the wild. From constantly working to provide our animals with naturalistic and enrichment filled moats to taking care of their nutritional needs and hygiene protocol, our ground team at Indore zoo work hard to fulfil all the criteria laid down by CZA to provide best housing for our wild inmates.

With special focus on Wildlife education, we have initiated many workshops, seminars, carnivals, outreach modules for schools and guest talks to facilitate our visitors with best opportunity to learn and contribute towards conservation.

I would personally like to thank my *Director – Dr. Uttam Yadav* for his guidance and support in designing and successfully implementing all educational events at the Zoo. I am also thankful to all our volunteers, media partners and visitors for helping us grow and mature as a conservational educational organization through their participation.

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- **Launched Zoo Ambassador Network:** Largest in the state, this network offered wildlife enthusiasts to stay connected, learn and contribute towards zoo educational outreach and zoo news.  
Total Signups: 1649
- **Specialized Education Workshops:** We conducted special educational workshop based on species and environmental days to engage and educate visitors, students on short educational projects. Every month one workshop was held at Zoo Conference room which shortly saw an increase in the participation numbers due to our unique modules.  
Some of the Workshops held: *Young Zoo Keeper, Zoo Keeper for a Day, Know your Reptile, Which Avian is it?, Dig your Reptile, Mega Jumbo class, etc.*
- **Zoo SnooZee Program:** Special Zoo Snooze workshop was held for the first time in the state to give visitors specialized experience of walking through the ex situ habitat and watch our nocturnal animals activity during extended summer hours.
- **Environment Days celebrations:** Special Environmental days and activities were conducted to keep visitors hooked on to our conservation educational efforts. Visitors were educated and involved in various fun related activities to learn importance of wildlife conservation and biodiversity importance. Each environmental day were outreached through our media network for the city to learn and gain.



**Days celebrated were as follows:**

1. Tiger Day
2. Elephant Day
3. Lion Day
4. Wetland Day
5. Earth Day
6. Sparrow Day
7. Environment Day
8. World Ocean Day
9. World Forest Day
10. World Water Day
11. World Migratory Bird Day., etc

- **World Wildlife Week:** Due to Covid 19 and lockdown, wildlife week was celebrated as a grand virtual carnival at Indore Zoo. A week filled with special guest lectures, Drawing/Painting/Quiz activities for schools, zoo clean drives, special talk and feeding shows for students and visitors were held.

Experts on 4 topics were flown in from different parts of the country to educate our visitors and students on specialized conservation challenges and issues. Mega Plantation drives were held and students were educated about the importance and role of Zoo in ex situ conservation.

- **Weekly shows/Activities:** 42 Zoo Corps have been trained who help zoo staff on every weekend and public holiday in vandalism control, zoo guided tours and educational shows.  
Special Snake Awareness shows, Animal Feed Shows are held every Sunday to educate mass visitors about wildlife and its eco habitats.
- **Specialized Internships:** Special Wildlife internships are held for students from various institutions on wildlife and zoo conservation for free of cost. Students are trained and educated on importance of Wildlife and Zoo role in conservation and to give them exposure to wildlife conservation.

***Total no. of Interns for 2020-2021: 421***

**Visitors benefitted from Zoo Education Activities from April 2020 to  
March 2021**

Total: **51,331 (Online outreach)**

**Other Non Assessed Educational initiatives/modules:**

- *Zoo Education Boards.*
- *Social Media E learning portals (FB, Website).*
- *Open Educational Talk Shows at animal Moats.*

**Zoo Education Van:** Developing first of its kind in the state, Zoo Education van for wildlife and ex situ conservation outreach for underprivileged and rural target groups.



## PHOTOS OF ACTIVITIES







## 11. Important Events and happenings:

Apart from the Education programs and daily routine at the zoo, we at Indore Zoo are also engaged in various other activities to promote environment and also involve public in important national events and activities. Few of the activities are as follows:

- > Celebration of World Yoga Day.
- > Cyclothon and Wildlife Treasure Hunt.
- > Celebration of Zoo Day at the Zoo.
- > Employee team building programs.
- > Sports Meet for Employees and Employee family members.
- > Blood Donation Camps.
- > Healthy checkup camps for Family members of employees.
- > Wildlife Photo Walk and Exhibition.
- > Animal Adoption Drives.
- > Newspaper collection drives to remain plastic free. Etc.



## 12. Seasonal special arrangements for upkeep of animals

We at Indore Zoo ensure proper seasonal enclosure enrichment and arrangements for our inmates so that the animals feel no discomfort or suffer from any disease. As the climatic changes during summer and winters are at extreme, special care is taken to ensure our animals don't feel the pinch of it.

### **During summer:**

- > Applying of Khus curtains in all enclosures and watering them thrice a day during peak time.
- > Installation of Water dessert coolers in night shelters, Drip foggers in open enclosures especially for all mammals, birds and reptiles.
- > Special Water supplements are added to the water source for all animals to keep them hydrated.
- > Hourly reporting by cage keepers on any abnormal behaviour in animals is done.

## During winter:

- > Installation of Heat pads, Heat bulbs, Heaters, bedding material for all animals/birds/reptiles.
- > Closing of direct wind ventilation side with 80% green net knit.
- > Hourly reporting by cage keepers on any abnormal behaviour in animals is done.

## During rainy season:

- > Installation of Barsati (Plastic sheets) on roof top of all open enclosure.
- > Special disinfectant drives to ensure no infection to animals.
- > Special dry bedding in night shelters of all animals.
- > Hourly reporting by cage keepers on any abnormal behaviour in animals is done.



और अंत में

वन्य जीव सप्ताह का आखिरी दिन

# चिड़ियाघर के सेलिब्रिटी जानवरों का बोलबाला

**इंदौर, नगर प्रतिनिधि।** वन्य जीव सप्ताह में देश-विदेश के जानकारों ने वाइल्ड लाइफ और जानवरों पर बात की। आखिरी दिन जू प्रभारी डॉ. उत्तम यादव ने बताया कि सेंट्रल जू अथॉरिटी के नियमों के साथ चिड़ियाघर में किसी भी जानवर को छोटे पिंजरों में नहीं रखा जा सकता। जानवरों को उतना ही एरिया मिलता है, जितना वे अपने जीवन में जंगल में बिताते हैं। जंगल कम होते जा रहे हैं, ऐसे में चिड़ियाघर की जिम्मेदारी बढ़ गई है। जानवरों का आबो-हवा मुताबिक खयाल रखा जाता है। दर्शकों का भी ध्यान रखते हैं। इंदौर जू देश में नंबर वन बन रहा है। पिंजरे और जंगल में रहने वाले जानवरों में फर्क है। पिंजरे में रहने के बाद उनमें बदलाव आते हैं, बीमार भी हो जाते हैं।

रेपेटिडल हाउस को साइटिफिक तरीके से बनाया है। कोबरा, रसेल वाइपर, ग्रीन वाइपर, पायथन जैसे कई जहरीले और बिना जहर वाले सांप हैं। सफेद सांप देखने लोग आते हैं। चिड़ियाघर में सेलिब्रिटी जानवरों का बोलबाला है। मोती (हाथी) समझदार है, लेकिन गुस्सैल है, इसलिए खतरा रहता है। जमुना भी हरकतों से सुर्खियों में आई। लकी जू का खास है, जिसे लिफ्टाड के साथ छह महीने तक रखा। इस मिसाल को अहमदाबाद के जू ने भी अपनाया। वहां बापिन ने अपने



बच्चे को छोड़ दिया था। जानवर बच्चे को कमजोर समझता है तो भावनाओं को अनदेखा कर उसे छोड़ देता है। लंबे समय से कास्ट टाइगर को डिमांड होने के कारण उसे लाने की कोशिश की जा रही है। यहाँ उन जानवरों के बारे में जान सकते हैं, जो आसानी से जंगल में नहीं दिखते। दुनिया में हर जंगली जानवर का अपना महत्व है, ये कुदरती जरूरत है। इन्हें नुकसान नहीं पहुंचाएँ। जब जानवर इंसानों से खतरा महसूस करते हैं, तो ही वह हमला करते हैं। सांप को बिना नुकसान पहुंचाएँ निकलने दें, तो वह किसी को नहीं डंसेगा।

डॉ. अशोक कुमार पेंशनरी जैन ने बताया कि कई गतिविधियों के नतीजे घोषित किए गए। प्रतियोगिता में लगभग पंद्रह सौ प्रतिभागियों ने भाग लिया। पेंटिंग प्रतियोगिता में 6 से 9 साल में दिगंता दास, 10 से 14 साल में आईशा फांड, 15 से 18 साल में तनुका अग्रवाल और 18 से ऊपर में मयूर बागेश्वर को पहला स्थान मिला। वहीं वाइल्डलाइफ क्रिज में रोहन बहल को पहला पुरस्कार मिला। फेस पेंटिंग प्रतियोगिता में 3 से 7 साल में जयान गुप्ता, 8 से 12 में शिवरंजनी भारद्वाज, 13 से 18 में कोयना सिंह पहले नंबर पर रहे। फोटोग्राफी में पहला पुरस्कार प्रमोद चंदेल को मिला।

## Research Work carried out and publications

Indore Zoo also acts as an education and research centre for veterinary college and science college students. A total **421** Msc and Bsc Zoology and other science stream students did their research and group projects at Indore zoo on topics such as Animal Behaviour, Zoo Management, Zoo Conservation, Free ranging flora and fauna of Indore Zoo, etc.

A total of **94** Veterinary students completed their one week wildlife field training at Indore Zoo.

### 13. Conservation Breeding Programme of the Zoo

Indore Zoo inhibits many critically endangered species. Special conservation breeding programs are run for species such as Tigers, Lions, Sloth Bear, Python, Fox, Wolves, Chinkara, Gharials, Peafowls.

In the annual year 2020 -2021, Indore zoo successfully bred Ghariyals, Lion, Fox , Wolf.



## Zoo celebrates birth of four she-wolf pups, expecting more with fingers crossed

♦ TINA KHATRI  
INDORE

Persistence and perseverance are the two among many words of wisdom found more in variety of moral books than in common man, so we know. But, for city zoo authorities the words seem to be virtues to live by.

After putting on dedicated efforts to breed wolves (Canis lupus pallipes) for years for off-springs, their efforts finally paid off as one of the she-wolves gave birth to four little ones last month and another is due the coming week. Though getting a click or peek of little ones is difficult due to their shy nature, their presence can be felt because of movements.

Celebrating their success, zoo authorities are taking extra care of the pregnant she-



wolf and the new born pups. Talking about wolves, zoo curator Nihar Parulekar said, "Though Indian wolves tend to breed from mid-October to late December, and whelp in holes or ravines, they are too shy and conservative so breeding them in enclosures is next to impossible."

He explained that animals deteriorate from their natural behaviour in breeding as well because of changes in

their life patterns. "Carnivores including wolf that preys on antelopes, rodents, and hares adapt to living in smaller places and depend on feeding instead of hunting for survival and that of course leads to many more changes in their life patterns," Parulekar said.

With gestation period of two months, it is not a long wait till whelps are born but it usually a longer wait till



whelps come out and dazzle visitors. "Most visitors in zoo are school children, who are amused by pups and we lucky to have new friends waiting for them," Parulekar said.

### 2000-3000 WOLVES IN THE WILD

Although it is supposedly protected as an endangered species in India under schedule 1 of the Indian Wildlife

Act of 1972, the Indian Wolf is still hunted because of its attacks on children and livestock. The greatest threat to the Indian Wolf's survival is persecution by poison, and habitat loss due to intensive agriculture, development, and industry. A study released in 2004 estimated between 2000 and 3000 Indian Wolves remaining in the wild.

### GHARIAL'S BREEDING SEASON NOT FAR AWAY

Hoping the mojo to continue, zoo authorities are planning to breed 'Gharials' in their upcoming April-May breeding season. "We are hoping to get lucky with Gharial's breeding as well, and in case breeding is successful then we can hope to have little ones in rainy season," Parulekar said.

## 1. Animal acquisition / Transfer / Exchange during the year

A.	Animals arriving in the Zoo				
	H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
		Hippopotamus	1:1	Nandankanan Zoo	29/09/2020
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
		Indian Fox	0:1	Nandankanan Zoo	17/12/2020
		Indian Wolf	2:0	Nandankanan Zoo	17/12/2020
		Indian Lion	0:2	Nandankanan Zoo	17/12/2020
		Gharial	2:1	Nandankanan Zoo	17/12/2020

## 2. 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	
1.	1/3/2020	Indian Leopard 0:1	Forest Department Bagh Range, MP	03/03/2020	-	-

### 3. Annual Inventory of animals

#### Kamla Nehru Prani Sangrahalay

Part - A

Annual Inventory of animals

Inventory Report for the Year : 2020-2021

Endangered Species (Schedule I and II)

S.No	Animal Name	Scientific Name	Opening Stock as on 1-4-2020				Birth			Acquisition			Disposals			Deaths			Closing Stock as on 31-03-2021				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
<b>Bird</b>																							
1	Peafowl	Pavo Cristatus	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
2	Peafowl White	Pavo Cristatus	7	5	2	14	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	2	14
3	Egyptian Vulture	Neophron Percnopterus	2	2	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	5
4	Oriental pied Hornbill	Anthracoceros albirostris	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
<b>Total Bird</b>			<b>12</b>	<b>9</b>	<b>3</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>9</b>	<b>3</b>	<b>24</b>
<b>Mammal</b>																							
1	Bear Himalayan	Ursus thibetanus	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2	Sloth Bear	Melursus ursinus	1	3	2	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	5
3	Black Buck	Antilope cervicapra	19	25	10	54	0	0	0	0	0	0	0	0	0	0	0	0	19	25	10	54	
4	Jungel Cat	Felis chaus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5	Indian Fox	Vulpes bengalensis	3	4	6	13	0	0	0	0	0	0	0	0	1	0	0	0	0	3	3	6	12
6	Indian Wolf	Canis lupus pallipes	3	4	6	13	0	0	0	0	0	0	0	0	2	0	0	0	0	1	4	6	11
7	Common Palm Civet	Paradoxurus hermaphrod it-us	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
8	Indian Elephant	Elephas maximus	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
9	Indian Gazelle (Chinkara)	Gazella bennettii	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
10	Jackal	Canis aureus	5	2	0	7	0	0	3	0	0	0	0	0	0	0	0	0	3	5	2	0	7
11	Common Langur	Semnopithecus entellus	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12	Macaque Rhesus	Macaca mulatta	3	4	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	7
13	Leopard	Panthera pardus	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
14	Indian Lion	Panthera leo persica	3	5	0	8	0	0	4	0	0	0	0	0	2	0	0	0	0	3	3	4	10

15	Bengal Tiger	Panthera tigris tigris	4	3	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	7
<b>Total Mammals</b>			<b>48</b>	<b>56</b>	<b>25</b>	<b>129</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>46</b>	<b>52</b>	<b>29</b>	<b>127</b>	
<b>Reptile</b>																							
1	Crocodile Marsh (Mugger)	Crocodylus palustris	4	6	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	0	10
2	Crocodile Long Snouted (Gharial)	Gavialis gangeticus	8	9	30	47	0	0	0	0	0	0	2	1	0	0	0	0	0	6	8	30	44
3	Common Indian Monitor Lizard	Varanus bengalensis	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	2
4	Indian Rock Python	python molurus	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
5	Indian Soft shelled Turtle	Lissemys punctata punctata	5	3	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	3	11
<b>Total Reptile</b>			<b>19</b>	<b>22</b>	<b>34</b>	<b>75</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>17</b>	<b>19</b>	<b>34</b>	<b>70</b>	
<b>Total Animals</b>			<b>79</b>	<b>87</b>	<b>62</b>	<b>228</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>75</b>	<b>80</b>	<b>66</b>	<b>221</b>	

Animals under : Schd. 1 and Schd. 2 of Wildlife Protection Act, 1972

  
Curator (Animals)

  
Director

## PART B

## Other than Endangered Species

S.No	Animal Name	Scientific Name	Opening Stock as on 1-04-2020				Birth			Acquisitions			Disposals			Deaths			Closing Stock as on 31-03-2021			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
<b>Bird</b>																						
1	Budgerigar		28	23	24	75	0	0	0	0	0	0	0	0	0	0	0	0	28	23	24	75
2	Alexandrine parakeet		8	6	11	25	0	0	0	0	0	0	0	0	0	0	0	0	8	6	11	25
3	Cockateil		16	20	5	41	0	0	0	0	0	0	0	0	0	0	0	0	16	20	5	41
4	Plumheaded parakeet		4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8
5	Roseringed parakeet		4	7	13	24	0	0	0	0	0	0	0	0	0	0	0	0	4	7	13	24
6	Fisher lovebirds		4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8
7	Peach Faced Love birds		5	3	5	13	0	0	0	0	0	0	0	0	0	0	0	0	5	3	5	13
8	Emu		3	3	4	10	0	0	0	0	0	0	0	0	0	0	0	0	3	3	4	10
9	Sarus Crane		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
10	Painted Stork		4	4	2	10	0	0	0	0	0	0	0	0	0	0	0	0	4	4	2	10
11	Ibis		3	4	0	7	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	7
12	Pelican Rosy/white		1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
13	Black Swan		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14	Ostrich		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
15	Silver Pheasant		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
16	Goldern Pheasant		2	1	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	1
17	Lady Amherst		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
18	Mute Swan		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
19	Owl		1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
20	Barn Owl		2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
21	Sandgrouse		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0

22	Blue Fronted Amazon		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
23	Moluccan Red Lorry		0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
24	Imperial Pheasant		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
25	Cassowary		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
26	Red Jungle fowl		2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
27	Conure		0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	4	
28	Blue Gold Macaw		0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	2	
29	Grey Pelican		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
<b>Total Bird</b>			<b>97</b>	<b>94</b>	<b>66</b>	<b>257</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>93</b>	<b>95</b>	<b>69</b>	<b>257</b>		
<b>Mammal</b>																							
1	Sambar Deer		8	12	8	28	0	0	0	0	0	0	0	0	0	0	0	0	8	12	8	28	
2	Spotted Deer		14	16	4	34	0	0	0	0	0	0	0	0	0	0	0	0	14	16	4	34	
3	Nilgai		2	6	6	14	0	0	0	0	0	0	0	0	0	0	0	1	6	6	13		
4	Hyaena		2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
5	Porcupine		3	5	4	12	0	0	0	0	0	0	0	0	0	0	0	0	3	5	4	12	
6	European Hedgehog		2	1	1	4	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	
7	Hippopotamus		1	1	0	2	0	0	0	1	1	0	0	0	0	0	0	0	1	2	0	3	
8	Polecat		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
9	Marmoset		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
10	Squirrel Monkey		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
11	Hamadrayan Baboon		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
12	Red Handed Tamarin		0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	2
13	Barking Deer		2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
<b>Total Mammals</b>			<b>37</b>	<b>48</b>	<b>23</b>	<b>108</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>35</b>	<b>49</b>	<b>22</b>	<b>106</b>		
<b>Reptile</b>																							
1	Indian Star Tortoise		11	14	18	43	0	0	0	0	0	0	0	0	0	0	0	0	10	11	14	35	
2	Iguana		1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
3	Reticulated Python		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
4	Red Ear Terrapin		1	1	0	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	

<b>Total Reptile</b>			<b>14</b>	<b>16</b>	<b>18</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>13</b>	<b>15</b>	<b>8</b>	<b>36</b>	
<b>Total Animals</b>			<b>196</b>	<b>214</b>	<b>132</b>	<b>542</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>14</b>	<b>187</b>	<b>211</b>	<b>128</b>	<b>620</b>

  
Curator (Animals)

  
Director

#### 4. Mortality of animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death  (Proposed) Actual reason
1	Hippopotamus	Hippopotamus Amphibius	1:0	30/9/2020	Damaged to Internal vital organs
2	Nilgai	<i>Boselaphus tragocamelus</i>	0:1	22/8/2020	Old Age
3	Sand grouse	Pteroclididae	1:0	7/7/2020	coccidiosis
4	Sand grouse	Pteroclididae	0:1	19/8/2020	coccidiosis
5	Jackal	<i>Canis auerus</i>	0:1 0:1 0:1	25/10/2020 27/10/2020 28/10/2020	Pneumonia & Respiratory arrest
6	Golden Pheasant	Chrysolophus pictus	1:0 1:0	3/3/2021 18/3/2021	Old Age
7	Imperial Pheasant	<i>Lophura imperialis</i>	1:0	16/8/2020	Old Age
8	Blue fronted Amazon	Amazona aestival	0:1	12/12/2020	Internal infection
9	Sloth Bear	Melursus ursinus	0:1	18/1/2021	Old Age
10	Monitor Lizard	Varanus bengalensis	0:1 0:1	11/2/2021 17/2/2021	Heat stroke Heat Stroke
11	Star Tortoise	Geochelone elegans	0:0:4	4/1/2021	Pneumonia
12	Star Tortoise	Geochelone elegans	0:0:3	7/1/2021	Pneumonia
13	Star Tortoise	Geochelone elegans	0:0:3	8/1/2021	Pneumonia
14	Hedgehog	Erinaceus europaeus	1:0 1:0 0:1 0:1	14/12/2020 9/12/2020 21/12/2020 27/12/2020	Old Age Old Age Old Age Heat Stroke

15	Red Slider	Ear	Trachemys scripta elegans	1:0 0:1	14/11/2020 21/11/2020	Internal organ damage Organ Damage
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## **5. Compliance with conditions stipulated by the Central Zoo Authority**

### **COMPLIANCE REPORT**

<b>Sno.</b>	<b>Rule 10 Norm No.</b>	<b>Conditions Stipulated</b>	<b>Time Period to Comply</b>	<b>Status with regard Compliance of the conditions</b>
1	10.1(7)	Sewage treatment Plant (STP) is under construction at a place where river Knan enters the Zoo. As the river carries sewage, the stink is unbearable and in due course Zoo may not be a desirable destination for the tourists. <b>STP must be completed and made functional so that the stink disappers.</b>	6 Months	STP is completed and now functional and the stink has also considerable reduced.
2	10.2 (2)	Biologist and Education Officer should be appointed by the Zoo Operator. Also, Curator should be appointed on regular basis.	3 Months	Education officer is already appointed by the Zoo Operator. Process for appointing Biologist and Curator has been started and is currently on standby due to Covid-19 lockdown.
3	10.3 (3)	Children Park in the Zoo is still functional. It must be shifted outside the Zoo premises	Immediately	The Children Park has been shifted outside the Zoo.
4	10.4(1)	After the approval of Master Plan, Zoo is remodelling its enclosures. Management should make efforts to get more allotment from IMC and implement the Master Plan early, maybe within next three years.	Three Years	Annual Plan for allotment of funds for new enclosures as per approved master plan is already under process. New enclosures designs



				are been sent to CZA for technical approval. The implementation and construction of same will be started as soon as we get the technical approvals from CZA.
5	10.5(10)	Treatment records should be maintained appropriately in form prescribed by the CZA. During evaluation it is observed by animal under treatment is not mentioned in records.	Immediately	Treatment records are now maintained as per CZA format.
6	10.6(3)	Quarantine and Isolation ward are located adjoining Zoo Hospital, which does not serve the purpose. Zoo management should take necessary steps so that the facilities are separated away from hospital.	As early as possible.	The same has been done. The same has been shifted as per our approved Master Plan location.
7	10.9(9)	Captive animals in surplus (Gharial) should be transferred to other zoos or their natural habitat. After ascertaining feasibility, proposal should be forwarded to the CZA	In due course	We have already started working on it. Gharials as part of Animal Exchange program approved by CZA were shifted to Dehradun and Nandankanan Zoo this year. Other proposals shall follow soon.

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

**a. Mammals of Indore Zoo :**

- Mongoose
- Palm Civet

**b. Birds of Indore Zoo :**

- Greater Coucal
- Jungle Babbler
- Peacock
- White breasted Waterhen

- Red Wattled Lapwing
- Purple Sunbird
- Purple rumped Sunbird/ Purple rumped Sunbird Ecilipse
- Green Beeater
- Oriental Magpie Robin
- Jungle Crow
- Pond Heron
- Rufuos Treepie
- White throated kingfisher
- Black Drongo
- Laughing Dove
- House Crow
- Rose ringed parakeet
- Alexandrine parakeet
- Black kite
- Ashy Prinia
- Copper smith barbet
- Grey Hornbill
- Common tailorbird
- Shikra
- Little Egret
- Rock pigeon
- Common Myna
- Eagle Owl
- Spotted owlet
- Asian Koel
- Red vented bul bul
- White browed fantail
- Common minivet
- Little Cormorant
- Paradise Flycatcher
- White crested cuckoo
- Black hooded oriole

### **Butterflies of Indore Zoo**

- Common Jezebel
- Yellow Grass
- Small Yellow Grass
- Plain tiger
- Common lime

### **c. Reptiles & Amphibians of Indore Zoo :**

- Rat snake

- Common Indian Cobra
- Russel's Viper
- Checkered Keelback
- Common Krait
- Common Sand Boa
- Garden Lizard
- Striped skink
- Common toad
- Bull Frog

### **LIST OF TREES AT INDORE ZOO**

General Name	Scientific Name
Slender Amaranthus	Amaranthus Viridis L
Wild oat	Avena fatua L
Prickly Chafflower	Achyranthus aspera
Scarlet Pimpernel	Anagallis arvensis
Mexican Poppy	Argemone maxicana
Bermuda grass	Cynodon dactylon
Dodder	Cuscuta Reflexa
Bind weed	Convolvulus arvensis
Nutsedge	Cyprus rotendus
Wild Jute	Corchorus acutangulus
Lambsquate	Chenopodium album
Australian spinach	Chenopodium murale
Thorne apple	Datura Fastoosa
Purslane	Portulaca alaracea
Cleome	Cleome icosandra
Black night shade	Solonum Nigrum
Wild ber	Zizypus rotundifolia
Niruri	Phyllanthus niruri
Carpet weed	Trianthema monogyna
Big spurge	Euphorbia hirto
Small spurge	Euphorbia Microphylla
Yellow sweet clover	Mehlotus alba
White sweet clover	Mehlotus indica
Canary grass	Phalaris minor
Caltrop	Tribulus terrastris
Tiger grass	Saccharum spontaneum
Lathyrus	Lathyrus sativus
Common Vetches	Vicia Hirsuta
Indian gum Arabic	Acacia Arabica
Baobab	Adansonia digitata
Davils tree	Alstonia scholaris
—	Anthocephalus kadamb
Araucaria	Araucaria cookil
Margosa tree	Azadirachta indica
Orchid tree	Bauhinia blakeana
Red silkcotton tree	Bombax ceiba

Flame of the forest	<i>Butea monosperma</i>
Golden bottle brush	<i>Melaleuca bracteata</i>
India laburnum , Golden shower	<i>Cassia fistula</i>
	<i>Cassia siamea</i>
Australian oak	<i>Casuarinas equisetifolia</i>
White cotton tree	<i>Ceiba pentandra</i>
South indian red wood	<i>Dalbergia sissoo</i>
Peacock flower, flame tree	<i>Delonix regia/Poinciana regia</i>
Eucalyptus	<i>Eucalyptus citriodora</i>
Banyan tree	<i>Ficus bengalensis</i>
Willow fig	<i>Ficus benjamina</i>
	<i>Ficus religiosa</i>
Black willow fig	<i>Ficus benjamina black</i>
	<i>Ficus retusa</i>
Mango	<i>Mangifera indica</i>
Indian cork or tree jasmine	<i>Millingtonia hortensis</i>
Indian medlar	<i>Mimusops elenge</i>
Rusty shield bearer	<i>Peltophorum pterocarpum</i>
Frangipani	<i>Plumeria obtuse</i>
Mast or Indian fir	<i>Polyalthia longifolia</i>
Indian beech	<i>Pongamia pinnata</i>
Childlife tree	<i>Putranjiva roxburghii</i>
	<i>Saraca asoca</i>
African tulip	<i>Spathodia companulata</i>
Rosy trumpet	<i>Tabebuia rosea</i>
Tamarind	<i>Tamarindus indica</i>
Indian tulip	<i>Thespesia populneus</i>
Indian tulip	<i>Thespesia populneus var.</i>
Oriental arborevitae	<i>Thuja orientails</i>
Guava	<i>Psidium guajava</i>
Lime	<i>Citrus aurantifolia</i>
Papaya	<i>Carica papaya</i>
Banana	<i>Musa paradisiacal</i>
Ber	<i>Zizyphus rotundifolia</i>
Aonla	<i>Embilica officinalis</i>
Mulberry	<i>Morus alba</i>
Golden apple	<i>Aegle mrmelos</i>
Java plum	<i>Eugeni clumini</i>
Rayan tree	<i>Manilkara hexandra</i>
Drum stick	<i>Moringa oleifera</i>
Date palm	<i>Phoenix dactylifera</i>
Almond	<i>Prunus amygdalus</i>
sandal wood	<i>Santalum album</i>
Wood apple	<i>Limonia acidissima</i>
Sweet tamarind	<i>Pithecellobium dulce</i>
Teak	<i>Tectona grandis</i>
White lead tree	<i>Leucaena leucocephala</i>
Bamboo	<i>Bambusa vulgaris</i>
River tea	<i>Melaleuca bracteata</i>
Cluster fig tree	<i>Ficus glomerata</i>

Indian cheery	<i>Cordia dichotoma</i>
Dyopsis Palm	<i>Dyopsis lutescens</i>
Date Palm	<i>Phoenix dactylifera</i>
Bismark palm	<i>Bismarckia nobilis</i>
Fishtail Palm	<i>Caryota urens</i>
Pygmy date palm	<i>Phoenix roebelenii</i>
Table Palm	<i>Livistona rotundifolia</i>
Milkweed	<i>Calotropis gigantea</i>
Acalypha	<i>Acalypha hispida</i>
Pride of Barbados	<i>Caesalpinia pulcherrima</i>
	<i>Caesalpinia pulcherrima flava</i>
Calliandra	<i>Calliandra emarginata</i>
Croton	<i>Codiaeum variegatum</i> “Glory”
Cuphea (False Heather	<i>Cuphea hyssopifolia</i>
Dombeya	<i>Dombeya wallichii</i>
Golden Duranta	<i>Duranta repens</i> “variegata”
Eranthemum	<i>Eranthemum albo maginatum</i>
Eranthemum	<i>Eranthemum bicolour</i>
Eranthemum	<i>Eranthemum nigrum</i>
Hierba mala	<i>Euphorbia cotinifolia</i>
Caricature plant	<i>Graptophyllum pictum</i>
Hamelia	<i>Hamelia patens</i>
China rose	<i>Hibiscus rosa sinensis</i>
Chinarose double	<i>Hibiscus rosa sinensis</i> Red satin
Ixora	<i>Ixora singaporensis</i>
Jatropha Red	<i>Jatropha duckfoot</i>
Lantana	<i>Lantana camara</i>
Chinese bux	<i>Murraya exotica</i>
Oleancler	<i>Nerium oleander</i> “Album”/Carnea
Aralia	<i>Polyscias balfouriana</i>
Aralia	<i>Polyscias guilfoylei</i>
Cape jasmine	<i>Tabernaemontana coronara</i>
Tecoma	<i>Tecoma gaudichaudi</i>
Orange tecoma	<i>Tecoma capensis</i>
Periwinkle	<i>Vinca rosea alba</i>
Bougainvillea	<i>Bougainvillea</i> sp.
Aglaonema	<i>Aglaonema</i> sp.
Alocasia	<i>Alocasia cadierei</i>
Asparagus marry	<i>Asparagus densiflorus</i> “Myers”
Asparagus	<i>Asparagus densiflorus</i> Sprengerii
Dumbcane	<i>Differnbachia amoena</i>
Dracaena	<i>Dracaena mahatma</i>
Ficus Yellow	<i>Ficus panda</i>
Var. Ficus	<i>Ficus benjamina</i> “Variegata”
Song of India	<i>Pleomele reflexa</i> “Variegata”
Syngonium	<i>Syngonium Podaphyllum</i>
Ferns	<i>Nephrolepis Biserrata</i>
Ferns	<i>Asplenium nidus</i>
Nolina	<i>Beaucarnea recurvata</i>

Crown of Thorns	<i>Euphorbia milii</i>
Giant false agave	<i>Furcraea gigantic</i>
Rose	Rose spp
Balsum	<i>Impatiens balsamina</i>
Canna	<i>Canna indica</i>
Castor	<i>Ricinus communis</i>
Pedilanthus	<i>Euphorbia tithymaloides</i>
Money plant	<i>Epipremnum aureum</i>
Spider lily	<i>Hymenocallis caribaea</i>
Var. Bamboo	<i>Bambusa multiplex</i> F. Variegata



**~ Thank You ~**