

**NAHARGARH BIOLOGICAL PARK,
JAIPUR**

**Annual Report
Year
2018-19**



DEPUTY CONSERVATOR OF FORESTS (WILDLIFE), ZOO, JAIPUR

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1. Report Of The Officer-In-Charge

Shri Sudarshan Sharma

Deputy Conservator of Forests (Wildlife), Zoo, Jaipur

Nahargarh Zoological Park is one of the main tourist attraction in Jaipur, the second world heritage city of India. It was opened for public in June, 2016. It has gained a lot of popularity among the locals as well as the visitors from other places. It is the most successful zoological park of Rajasthan in terms of conservation breeding. Many species like tiger, asiatic lion, porcupine, Indian wolf, hyena apart from various antelopes and deer have bred successfully here.

The zoological Park has completed one more year of Bio-diversity conservation, zoo management and education. Various public awareness programs were organised during the year like Wildlife week, World Tiger Day, Bio-diversity Day, World Sparrow day, Ozone day and Earth Day. Two day National Birding Fair was organised by us at the beautiful Mansagar lake. A number of bird experts participated in this fair and imparted valuable information and skills of bird watching to the school children and other emerging bird enthusiasts.

Our rescue team led by our senior veterinary officer did a commendable job by rescuing a number of wild animals straying out of forest and involved in man-animal conflict, especially the leopards. Quick and effective response by rescue team has paid great dividends in terms of avoiding casualties of humans or animals and instilling the feeling of trust in the people for wildlife wing.

2. History of the Zoo

Jaipur zoo was established in the year 1876 by the Ruler of Jaipur State Sawai Ram Singh II. It is a part of Ram Niwas Bagh, an extensive park planned by Maharaja Sawai Ram Singh as a famine relief project.

Jaipur Zoo is the fifth oldest zoo in the country. During the state time , it was managed by the Shikarkhana Department, which also managed the Shikar or hunting reserves. After Independence , it came under the forest department and continues to be managed by us.

To maintain uniform pattern of management and legal enforcement of Government of India established the Central Zoo Authority (CZA) in year 1992. The wildlife (Protection Act 1972 has also been amended to provide proper legal cover to the zoos. Zoos are considered a forestry activity. To fulfil the CZA rules or guidelines , a detailed layout plan of Nahargarh Zoological Park in the area of Nahargarh biological Park was approved by the Central Zoo Authority vide letter No. F.No. 23-18/ 97-CZA (397)(NA) dated 18.10.2006 for satellite facility of Jaipur Zoo.

3. Vision

One of the main leading park in conservation and breeding of endangered species as well as other species. To provide healthy naturalistic environment to wild animals and also to visitors. Inspire the visitors towards wildlife conservation.

4. Mission

Sustainable ex-situ conservation of wild animals and in the process creates awareness of wild habitants and their inhabitants among visitors. The park also provides opportunities for recreation and scientific studies related to conservation and animal behaviour.

5. Objective

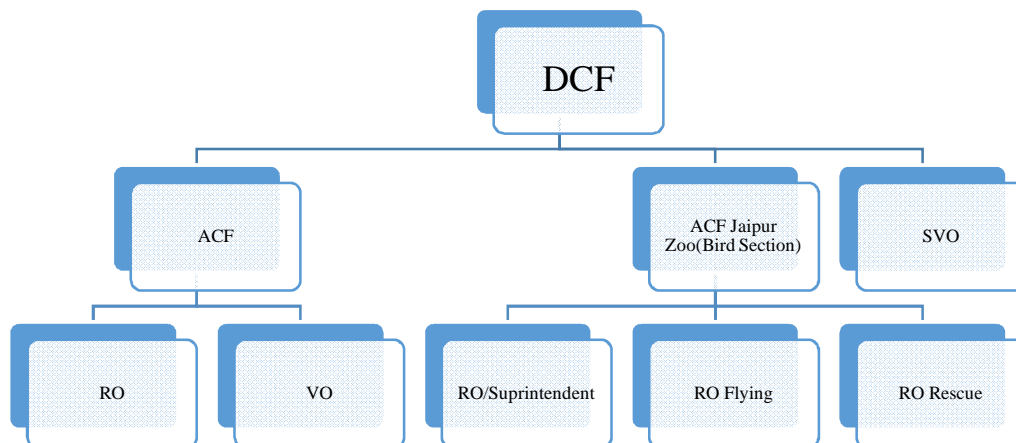
- a) Conservation of wild fauna
- b) Awareness
- c) Research on broad taxonomical endangered wild animals
- d) Education
- e) Recreation / Eco tourism
- f) Rescue and rehabilitation of sick / orphaned wild animals
- g) Display of important species of desert, wet land and aravali eco system in their natural surroundings.

6. About us

| S.No. | Particulars | Information |
|--|--|--|
| BASIC INFORMATION ABOUT THE ZOO | | |
| 1 | Name of the Zoo | Nahargarh Biological Park |
| 2 | Year of Establishment | 2016 |
| 3 | Address of the Zoo | Deputy Conservator of Forests (Wildlife), Zoo, Jaipur |
| 4 | State | Rajasthan |
| 5 | Telephone Number | 0141 2617319 |
| 6 | Fax Number | 0141 2617319 |
| 7 | E-mail address | Jaipur_zoo@rediffmail.com dcfwl.zoo.forest@rajasthan.gov.in |
| 8 | Website | |
| 9 | Distance from nearest | Airport: 26 km |
| | | Railway Station: 15 km |
| | | Bus Stand: 15 km |
| 10 | Recognition Valid up to (Date) | |
| 11 | Category of zoo | Medium |
| 12 | Area (in Hectares) | 26 hectare |
| 13 | Number of Visitors (Financial Year 2018-19) Nahargarh Biological Park | Adult : 373077 |
| | | Student : 152821 |
| | | Total Indian :525898 |
| | | Total Foreigners :735 |
| | | Total Visitors:526633 |
| | Number of Visitors (Financial Year 2018-19) Jaipur Zoo(Bird section) | Adult : 487179 |
| | | Children : 32660 |
| | | Total Indian :519839 |
| | | Total Foreigners :518 |
| | | Total Visitors:520357 |
| 14 | Visitors' Facilities Available in Zoo | <ol style="list-style-type: none"> 1. Wash room 2. Drinking water 3. Resting shelter 4. E-Rickshaw 5. Golf cart 6. Cafeteria 7. Souvenir shop 8. Parking |

| S.No. | Particulars | Information |
|--|--|--|
| | | 9. Wheel chair 10. Information kiosk 11. CCTV cameras 12. Machan 13. Children Park |
| 15 | Weekly Closure Day of the Zoo | Tues day |
| MANAGEMENT PERSONNEL OF THE ZOO | | |
| 16 | Name with designation of the Officer in-charge | Shri Sudarshan Sharma Deputy Conservator of Forests (Wildlife), Zoo, Jaipur |
| | Name of the Veterinary Officer | 1. Dr. Arvind Mathur 2. Dr. Ashok Tanwar |
| | Name of the Curator | Shri Prem Shankar Meena Range officer |
| | Name of the Biologist | - |
| | Name of the Education Officer | - |
| | Name of the Compounder/ Lab Assistant | - |
| OWNER / OPERATOR OF THE ZOO | | |
| 17 | *Name of the Operator | Principal Secretary, Forest Department, Rajasthan, Jaipur |
| 18 | Address of the Operator | Principal Secretary, Forest Department, Secretariat, Rajasthan, Jaipur |
| 19 | Contact details/Phone number of Operator | 0141-2227635 |
| 20 | E-mail address of Operator | pstrajasthan@gmail.com |

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

| Sl.No. | Designation | Number of Sanctioned Posts | Names of the incumbent |
|--------|----------------------------------|----------------------------|------------------------|
| 1 | Deputy Conservator of Forests | 2 | 1 |
| 2 | Assistant Conservator of Forests | 3 | 2 |
| 3 | Veterinary Officer | 4 | 2 |
| 4 | Superintendent | 1 | 0 |
| 5 | Range Officer I | 2 | 1 |
| 6 | Range Officer II | 2 | 2 |
| 7 | Supervisor | 1 | 0 |
| 8 | Steno | 1 | 1 |
| 9 | AAO | 1 | 1 |
| 10 | Assistant Adm. Officer | 1 | 1 |
| 11 | Senior Assistant | 2 | 2 |
| 12 | Junior Assistant | 4 | 4 |
| 13 | Forester | 6 | 6 |
| 14 | Assistant Forester | 27 | 22 |
| 15 | Forest Guard | 23 | 13 |
| 16 | Head caretaker | 1 | 1 |
| 17 | Caretaker | 7 | 4 |
| 18 | Pump Driver | 1 | 0 |
| 19 | Driver | 1 | 0 |
| 20 | Carpenter | 1 | 1 |
| 21 | Watch man | 5 | 5 |
| 22 | IV Class | 10 | 10 |
| 23 | Bhisti | 2 | 2 |
| 24 | Sweeper | 1 | 0 |

9. Capacity Building of zoo personnel

| S.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. Ashok Tanwar Veterinary officer | Intervention wildlife animal health | 27.01.2019 to 14.02.2019 | Sariska |

10. Zoo Advisory Committee – Not constituted

A. Date of constitution

B. Members

C. Dates on which Meetings held during the year

11. Health Advisory Committee– Not constituted

A. Date of constitution

B. Members

C. Dates on which Meetings held during the year

12. Statement of income and expenditure of the Zoo

(A) Income

| S. No. | Name | Amount (in Rs.) |
|--------|-----------------------------------|-----------------|
| 1 | Nahargarh Biological Park, Jaipur | 26105688.00 |
| 2 | Jaipur Zoo (Bird Section) | 10274455.00 |
| | Total | 36380143.00 |

(B) Expenditure

(a) RFBP Budget head

| S. No. | Activity Name | Package | Sanctioned Amount (in Rs.) | Expenditure (in Rs.) |
|--------|--|------------|----------------------------|----------------------|
| 1. | Livelihood Improvement Activities | Package -5 | 5000.00 | 50000.00 |
| 2. | Community Mobilization (General publicity and documentation) | Package-7 | 940000.00 | 942866.00 |
| 3. | Hiring for Vehicles | Package-8 | 100000.00 | 99998.00 |
| 4. | VFPMC Expenses | Package-8 | 10000.00 | 9950.00 |
| 5. | Office Expenses | Package-8 | 100000.00 | 99960.00 |
| 6. | Audit by CA | Package-8 | 5000.00 | 5000.00 |
| 7. | Solar Power plant | Package-8 | 3400000.00 | 2550000.00 |
| | Total:- | | 4605000.00 | 3757774.00 |

(b) Eco tourism Head

| S.No. | Name of Activity | No. of item | Sanctioned amount (in Rs.) | Expenditure (in Rs.) |
|-------|----------------------------|--------------|----------------------------|----------------------|
| 1 | Solar pump | 1 | 1500000 | 630000 |
| 2 | Fencing work for Hippo | 90 m | | 247686 |
| 3 | Eco trail | 2 km | | 49600 |
| 4 | Signage and Awareness camp | | | 529807 |
| 5 | Cleaning of Ram Sagar | | | 30000 |
| 6 | Bird fair | | 500000 | 505119 |
| | | Total | 2000000 | 1992212 |

(c) State Plan budget

| S.No. | Budget Head | Name of Activity | Sanctioned amount (in Rs.) | Expenditure (in Rs.) |
|-------|--------------|----------------------|----------------------------|----------------------|
| 1 | 2406-02-111- | Cleaning of unwanted | 350000.00 | 296625.00 |

| | | | | |
|--------------------|-------------------|---|-------------------|-------------------|
| | 02-00 | bushes in and around enclosures | | |
| | | Electricity bills | 1298000.00 | 1253633.00 |
| | | Diesel, Petrol and other expenses | 275000.00 | 274600.00 |
| | | Total | 1923000.00 | 1824858.00 |
| 2 | 4406-02-111-01-00 | Construction of Fencing work in NZP Park, Jaipur | 250000.00 | 248631.00 |
| | | Repairing fencing work on exiting wall in NZP, Jaipur | 190000.00 | 189294.00 |
| | | Electricity bills | 450000.00 | 447810.00 |
| | | Diesel, Petrol and other expenses | 310000.00 | 274527.00 |
| | | Total | 1200000.00 | 1180262.00 |
| Grand Total | | | 3123000.00 | 3005120.00 |

13. Daily feed Schedule of animals

| S.No. | Species | Feed item | Quantity | | Day of fasting |
|-------|------------|--|--|---|----------------|
| | | | Winter | Summer | |
| 1 | Panther | Buffalo Meat Chicken Egg | 4.0 kg 2.0 kg 2.0 no. | 4.0 kg - - | Friday |
| 2 | Tiger | Buffalo Meat Chicken Egg | 8.0 kg 2.0 kg 2.0 no. | 8.0 kg - - | Friday |
| 3 | Hyena | Buffalo Meat Chicken Egg | 3.0 kg 1.0 kg 1.0 no. | 3.0 kg - - | |
| 4 | Gharial | Dead Fish | 1.0 kg | 1.5kg | |
| 5 | Lion | Buffalo Meat Chicken Egg | 8.0 kg 2.0 kg 2.0 no. | 8.0 kg - - | Friday |
| 6 | Sloth Bear | Roti Apple Banana Milk Honey Gud(sugar) Pindkhajoor Sattu | 1.5 kg 0.5 kg 0.5 kg 2.0 Litre 0.1 kg 0.1 kg 0.1 kg - | --- 0.5 kg 0.5 kg 2.0 Litre 0.1 kg 0.1 kg - 1.5 kg | |

| | | | | | |
|----|-------------|---|--------------------------------------|---|---|
| 7 | Sika deer | Carrot Hara Rinjka Dal chana Dal Folra Water melon/ cucumber | 2 kg 4 kg 0.1 kg 0.1 kg | - 4 kg 0.1 kg 0.1 kg 2.0 kg | |
| 8 | Chinkara | Carrot Hara Rinjka Dal chana Dal Folra Water melon/ cucumber | 2.0 kg 4.0 kg 0.1 kg 0.1 kg | 4.0 kg 0.1 kg 0.1 kg 2.0 kg | |
| 9 | Jackal | Buffalo Meat Chicken Egg | 1.0 kg 1.0 kg 1.0 no. | 1.0 kg - - | |
| 10 | Black buck | Carrot Hara Rinjka Dal chana Dal Folra Water melon/ cucumber | 2.0 kg 4.0 kg 0.1 kg 0.1 kg | 4.0 kg 0.1 kg 0.1 kg 2.0 kg | - |
| 11 | Wild Boar | Ata wheat Palak Carrot Water melon/ cucumber | 1.0 kg 0.5 kg 2.0 kg | 1.0 kg 0.5 kg 2.0 kg | |
| 12 | Indian wolf | Buffalo Meat Chicken Egg | 2.0 kg 1.0 kg 1.0 no. | 2.0 kg - - | |
| 13 | Palm civet | Buffalo Meat Chicken Egg | 0.5 kg 0.5 kg 1.0 no. | 0.5 kg - - | |
| 14 | Hog Deer | Carrot Hara Rinjka Dal chana Dal Folra Water melon/ cucumber | 2.0 kg 4.0 kg 0.1 kg 0.1 kg | 4.0 kg 0.1 kg 0.1 kg 2.0 kg | |
| 15 | Porcupine | Roti Apple Banana palak | 0.2 kg 0.1 kg 0.1 kg 0.5 kg | 0.2 kg 0.1 kg 0.1 kg 0.5 kg | |
| 16 | Crocodile | Dead Fish | 1.0 kg | 1.5 kg | |
| 17 | Emu | Makka Wheat Chana Palak | 0.2 kg 0.2 kg 0.1 kg 0.5 kg | 0.2 kg 0.2 kg 0.1 kg 0.5 kg | |

| | | | | | |
|----|-------------|--|---|---|--------|
| 18 | Chital | Carrot Hara Rinjka Dal chana Dal Folra Water melon/ cucumber | 2.0 kg 4.0 kg 0.1 kg 0.1 kg | 4.0 kg 0.1 kg 0.1 kg 2.0 kg | |
| 19 | Sambar | Carrot Hara Rinjka Dal chana Dal Folra Water melon/ cucumber | 2.0 kg 8.0 kg 0.1 kg 0.1 kg | 8.0 kg 0.1 kg 0.1 kg 2.0 kg | |
| 20 | Indian Fox | Buffalo Meat Chicken Egg | 0.5 kg 0.5 kg 1.0 no. | 0.5 kg - - | |
| 21 | Jungle cat | Buffalo Meat Chicken Egg | 0.5 kg 0.5 kg 1.0 no. | 0.5 kg - - | |
| 22 | Desert fox | Buffalo Meat Chicken Egg | 0.5 kg 0.5 kg 1.0 no. | 0.5 kg - - | |
| 23 | Ratel | Buffalo Meat Chicken Egg | 0.5 kg 0.5 kg 1.0 no. | 0.5 kg - - | |
| 24 | Swamp Deer | Carrot Hara Rinjka Dal chana Dal Folra Gud (sugar) Water melon/ cucumber | 2.0 kg 15.0 kg 0.1 kg 0.1 kg 0.1 kg | 15.0 kg 0.1 kg 0.1 kg 0.1 kg 2.0 kg | |
| 25 | White tiger | Buffalo Meat Chicken Egg | 8.0 kg 2.0 kg 2.0 no. | 8.0 kg - - | Friday |

14. Vaccination Schedule of animals

| Sl.No. | Species | Disease vaccinated for | Name of the Vaccine and dosage/ quantity used | Periodicity | Remarks |
|--------|---|--|---|--------------------------|---------|
| 1 | Indian wolf puppy | Puppy D P | Puppy D P dose 1 ml | 09.05.18 | |
| 2 | Indian wolf, Jackal, Indian fox, Desert fox, Hyaena | 1.Rabies 2. Canine distemper 3.Parvo 4. Hepatitis I | 1.Raksharab Dose 1 ml 2. Megabac six | 03.07.18 once in year | |

| | | | | | |
|---|--|--|-------------------------|-----------------------------|--|
| | | 5. Hepatitis 2 6. Leptospira 7. Parinfluenza | | | |
| 3 | Lion, Tiger, Panther, Jungle cat | Combined fcb,Frb,Fpb | Feligencrp dose 1 ml | 18.07.18 once in year | |

15. De-worming Schedule of animals

| S.No. | Species | Drug used | Month |
|-------|-------------|--------------------|----------|
| 1 | All species | Tab. Prazisam plus | 21.04.18 |
| 2 | All species | Tab. Sky worm | 28.07.18 |
| 3 | All species | Tab. Eazypet | 27.10.18 |
| 4 | All species | Tab. Skyworm | 19.01.19 |

16. Disinfection Schedule

| S.No. | Species | Type of enclosure | Disinfectant used and method | Frequency of disinfection |
|-------|--|------------------------|------------------------------|---------------------------|
| 1 | All carnivores like tiger, panther, lion etc | Retiring rooms | Khorsollin, Brikon, PP wash | Alternate day |
| 2 | Herbivores | Karaal, retiring rooms | lime powder | Every day |

17. Health Check-up of employees for zoonotic diseases

All the employees underwent general health check by the medical team of Santokba Durlab hospital on 20.01.19. No employee was found with any zoonotic disease.



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

- a) Solar Pump
- b) Fencing Work for Hippo
- c) Eco trail
- d) Cleaning of Ram Sagar

19. Education and Awareness programmes during the year

- A. Wildlife Week:** Wildlife week was celebrated from October 1 to October 7. School children were allowed to visit the park with free entry. Various competitions like Quiz, Essay writing, Extempore, Picture identification and Spot painting were organised for various categories. These competition were judged by subject experts from various departments of University of Rajasthan. Winners of these competitions were felicitated on the last day of the week. School children of various school participated in great numbers. Wildlife week has become a popular event among the school children of Jaipur and has proved to be very effective in inculcating the love for nature and biodiversity conservation in the young minds.





Essay Writing Competition in NBP



Visit tour of school Students

- B. Indian Birding Fair:** 22nd Indian Birding Fair was organised at the beautiful Mansagar lake of Jaipur in close coordination with Tourism & Wildlife Society of India on 7 and 8 February, 2019. Various bird experts attended this fair and were instrumental in inculcating the interest for bird watching among the school children.



- C. International Sparrow Day:** It was observed on March 20, 2019 at the Central park. People were made aware about the dwindling population of sparrows and the need to save it.



20. Important Events and happenings

- | | |
|------------|-------------------------|
| 22 April - | World Earth Day |
| 5 June - | World Environmental Day |
| 29 July - | Tiger Day |



On above mentioned days, various competition such as wildlife quiz, drawing, speech, collage making ,essay writing etc. were conducted for students of Jaipur district. Winning students got awards as well as certificates. During these days thousands of students visits the park having free entry except on Tiger day.

21. Seasonal special arrangements for upkeep of animals Summer season

A. For big carnivores

1. Retiring rooms - ducting facility for cooling of rooms , dropping of water front of gates and curtains on windows to avoid direct hot wind pressure,
2. Paddock area – sprinkler, rain gun for cooling the open area and for development of grass, shed for resting

B. Small carnivores

3. Retiring rooms - fans for cooling of rooms , dropping of water front of gates and curtains on windows to avoid direct hot wind pressure,
4. Paddock area – sprinkler, rain gun for cooling the open area and for development of grass, shed for resting
5. Herbivores -sprinkler, rain gun for cooling the open area and for development of grass, shed for resting

Winter season : –

Heater for carnivores animals in retiring rooms and curtains to cover windows in all enclosures.

22. Research Work carried out and publications

No research work was carried out during the year.

23. Conservation Breeding Programme of the Zoo

CZA has declared Nahargarh Biological Park as a participatory zoo for conservation breeding program of Indian wolf. A conservation breeding centre for wolf breeding has been set up in the erstwhile rescue centre situated inside the Nahargarh Biological Park by modifying it to suit the requirements.



24. 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 |
| | | | Nil | | |
| B. | Animals going from the zoo | | | | |
| | H.NO. | Species | Number (M:F) | Going to which Zoo | Date of deposition from the zoo |
| | | | Nil | | |

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 |
|----|------------|-----------------------|--------------------------------|--|---|------------------|
| 1. | 09.04.18 | Panther M | Village-Parwa, (Churu) | | Tranquilized, Rescued and rehabilitated in wild on dated 09.04.18 | |
| 2. | 07.05.2018 | Panther M | Village-Nawalgarh, (Jhunjhunu) | | Tranquilized, Rescued and rehabilitated in wild on dated 07.05.18 | |
| 3. | 13.05.18 | Tiger F ST-9, Sariska | Sariska | | Tranquilized, Rescued and rehabilitated in wild on dated 07.05.18 | |
| 4. | 11.06.18 | Monkey M | Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 11.06.18 | |
| 5. | 13.06.18 | Panther M | Khandela Sikar | | Tranquilized, Rescued and rehabilitated in wild on dated 13.06.18 | |
| 6. | 16.07.18 | Blue bull M | Tunga Bassi, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 16.07.18 | |
| 7. | 15.09.18 | Blue bull M | Shikarpur Sanganer, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated | |

| | | | | | | |
|-----|----------|-----------------------------|-------------------------------|--|---|--|
| | | | | | 15.09.18 | |
| 8. | 7.10.18 | Tiger M ST-6 Sariska | Sariska | | Tranquilized, Rescued and rehabilitated in wild on dated 7.10.18 | |
| 9. | 24.10.18 | Blue bull F | Hathoj Road, Sirsi, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 24.10.18 | |
| 10. | 28.10.18 | Blue bull M | Kalwar road, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 28.10.18 | |
| 11. | 14.11.18 | Tiger M ST-4, Sariska | Sariska | | Tranquilized, Rescued and rehabilitated in wild on dated 14.11.18 | |
| 12. | 16.11.18 | Tiger F ST-4, Sariska | Sariska | | Tranquilized, Rescued and rehabilitated in wild on dated 16.11.18 | |
| 13. | 19.11.18 | Blue bull M | NCC Campus, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 19.11.18 | |
| 14. | 26.11.18 | Tiger F ST-3 Sariska | Sariska | | Tranquilized, Rescued and rehabilitated in wild on dated | |

| | | | | | | |
|-----|----------|-----------------|---|--|---|--|
| | | | | | 26.11.18 | |
| 15. | 29.11.18 | Blue bull M | Malpura Road, Sanganer, jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 29.11.18 | |
| 16. | 12.01.19 | Blue bull M | Sheopur Road Sanganer, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 16.01.19 | |
| 17. | 25.01.19 | Blue bull M | Thikria, Bagru, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 25.01.19 | |
| 18. | 28.01.19 | Tiger M MT-2 | MHTR, Kota | | Tranquilized, Rescued and rehabilitated in wild on dated 28.01.19 | |
| 19. | 30.01.19 | Hyena M | Ntata Road, Amer, Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 30.01.19 | |
| 20. | 12.02.19 | Hyena M | Lalsot, Dausa | | Tranquilized, Rescued and rehabilitated in wild on dated 12.02.19 | |
| 21. | 13.02.19 | Panther F | Jhalana Jaipur | | Tranquilized, Rescued and rehabilitated in wild on dated 1.02.19 | |

| | | | | | | |
|-----|----------|-----------------|-------------------------------------|--|---|--|
| 22. | 27.02.19 | Tiger M MT-2 | MHTR, Kota | | Tranquilized, Rescued and rehabilitated in wild on dated 27.02.19 | |
| 23. | 9.03.19 | Tiger M MT-3 | MHTR, Kota | | Tranquilized, Rescued and released in wild on dated 9.03.19 | |
| 24. | 12.03.19 | Blue bull F | Gandhinagar, Jaipur | | Tranquilized, Rescued and released in wild on dated 12.03.19 | |
| 25. | 22.03.19 | Blue bull F | Gandhi Path, Vaisjali, jaipur | | Tranquilized, Rescued and released in wild on dated 22.03.19 | |



LION SAFARI

26. Annual Inventory of animals

Nahargarh Biological Park, Jaipur

Part-A

Inventory for the year 2018-19

Endangered species

| S.NO. | SPECIES | Scientific name | OPENING STOCK | | | | BIRTH | | | ACQUISITION | | | SELL | | | DISPOSALS | | | DEATH | | | CLOSING STOCK | | | |
|-------|-------------------|----------------------------|------------------|-----------|-----------|-----------|----------|----------|-----------|-------------|-----------|----------|----------|----------|----------|-----------|----------|----------|-----------|-----------|----------|------------------|-----------|-----------|------------|
| | | | As on 01-04-2018 | | | | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | as on 31-03-2019 | | | |
| | | | M | F | U | T | | | | | | | | | | | | | | | | M | F | U | M |
| | Animals | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Panther (leopard) | Panthera pardus | 4 | 3 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 0 | 6 |
| 2 | Asiatic Lion | Panthera leo persica | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 5 |
| 3 | Tiger | Panthera tigris | 1 | 1 | 0 | 2 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 |
| 4 | Indian Wolf | Canis lupas | 8 | 3 | 0 | 11 | 3 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 8 | 4 | 2 | 14 |
| 5 | Jackal | Canis aureus | 4 | 4 | 3 | 11 | 0 | 0 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 3 | 4 | 8 | 15 |
| 6 | Sloth Bear | Melursus ursinus | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 |
| 7 | Desert Fox | Vulpes bucapus | 1 | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 |
| 8 | Indian Fox | Vulpes bengalensis | 0 | 0 | 3 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 5 |
| 9 | Palm Civet | Paradoxurus hermaphroditus | 1 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 5 |
| 10 | Jungle Cat | Felis chaus | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 3 |
| 11 | Ratel | Mellivora capensis | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 12 | Chinkara | Gazella gazella bennetti | 2 | 2 | 0 | 4 | 1 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 5 | 5 | 0 | 10 |
| 13 | Black Buck | Antelope cervicapra | 9 | 6 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 6 | 0 | 12 |
| 14 | Hog deer | Axis porcinus | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 |
| 15 | Swamp deer | Rucervus duvaucelli | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 16 | Crocodile | crocodilus porosus | 2 | 3 | 1 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 6 |
| 17 | Gharial | Gravialis gangeticus | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 18 | White Tiger | Panthera tigris | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | TOTAL | | 43 | 36 | 17 | 96 | 6 | 4 | 16 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 13 | 2 | 45 | 44 | 23 | 112 |

Nahargarh Biological Park, Jaipur
Part -B
Species other than Endangered

| S.NO. | SPECIES | Scientific Name | OPENING STOCK | | | | BIRTH | | | ACQUISITION | | | SELL | | | DISPOSALS | | | DEATH | | | CLOSING STOCK | | | |
|--------------|----------------------|--------------------------|------------------|-----------|-----------|-----------|----------|----------|----------|-------------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|---------------|-----------|-----------|-----------|
| | | | As on 01-04-2018 | | | | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T |
| | | | M | F | U | T | | | | | | | | | | | | | | | | | | | |
| | Animals | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Striped Hyena | Hyaena hyaena | 3 | 5 | 0 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 0 | 8 |
| 2 | Porcupine | Hystrix indica | 1 | 1 | 2 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 5 |
| 3 | Wild boar (Wild Pig) | Sus scrofa | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 4 | Cheetal | Axis axis | 9 | 9 | 0 | 18 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 7 | 8 | 0 | 15 |
| 5 | Sambar | Cervus unicolor | 9 | 10 | 0 | 19 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 10 | 9 | 0 | 19 |
| 6 | Sika Deer | Cervus nippon | 1 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 4 |
| 7 | Emu | dromaius novaehollandiae | 0 | 0 | 14 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 8 | 8 |
| TOTAL | | | 24 | 30 | 16 | 70 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 6 | 22 | 27 | 11 | 60 |

Jaipur Zoo (Bird section)
Inventory for the year 2018-19

| S.NO. | SPECIES | OPENING STOCK | | | | BIRTH | | | ACQUISITION | | | SELL | | | DISPOSALS | | | DEATH | | | CLOSING STOCK | | | |
|-------|-------------------|------------------|---|---|---|-------|---|---|-------------|---|---|------|---|---|-----------|---|---|-------|---|---|---------------|---|---|---|
| | | As on 01-04-2018 | | | | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T |
| | | M | F | U | T | | | | | | | | | | | | | | | | | | | |
| | BIRDS | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | EMU | 1 | 1 | 3 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 8 |
| 2 | ROSY PELICAN | 2 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 5 |
| 3 | DELMATIAN PELICAN | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 4 | PAINTED STORK | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 3 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------------------------|-----------|-----------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|------------|
| 5 | WHITE IBIS | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 6 | FLAMINGO | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| 7 | BARHEADED GOOSE | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 8 | COMMON GOOSE | 0 | 0 | 173 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 171 | 171 |
| 9 | COMB DUCK | 0 | 1 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 5 |
| 10 | GREYPARTRIDGE | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 |
| 11 | SILVER PHEASANT | 2 | 3 | 1 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 7 |
| 12 | GOLDEN PHEASANT | 2 | 2 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 8 |
| 13 | COMMON INDIAN PEAFOWL | 4 | 7 | 8 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 8 | 19 |
| 14 | DEMOISELLE CRANE | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 15 | ALEXANDRINE PARAKEET | 1 | 1 | 15 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 13 | 15 |
| 16 | ROSE RINGED PARAKEET | 0 | 0 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 18 |
| 17 | BUDGERIGAR | 0 | 0 | 90 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 90 |
| 18 | INDIAN PIED HORNBILL | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 19 | LOVE BIRD | 5 | 5 | 11 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 10 | 20 |
| 20 | BARE EYED COCKATOO | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 21 | COCKTAIL | 0 | 0 | 37 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 32 | 32 |
| 22 | VULTURE | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 23 | JUNGLE FOWL | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 24 | SPOT BILL DUCK | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| 25 | LADY AMHRREST PHEASONT | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 26 | OSTRICH | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| | TOTAL BIRDS | 23 | 28 | 379 | 430 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 11 | 23 | 25 | 373 | 421 |

Jaipur Zoo
Part -A
Inventory for the year 2018-19
Endangered Species in Jaipur Zoo

| S.NO | SPECIES | OPENING STOCK | | | | BIRTH | | | | ACQUISITION | | | | DISPOSALS | | | | DEATH | | | | CLOSING STOCK | | | |
|------|------------------------|------------------|-----------|-----------|------------|----------|----------|----------|----------|-------------|----------|----------|----------|-----------|----------|----------|----------|------------------|----------|----------|----------|---------------|-----------|-----------|-----------|
| | | As on 01-04-2018 | | | | | | | | | | | | | | | | as on 31-03-2019 | | | | | | | |
| | | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T |
| 1 | RHESUS MACAQUE | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 5 | BLACK BUCK | 4 | 8 | 12 | 24 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 16 | 28 |
| | Total A | 5 | 9 | 12 | 26 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 9 | 16 | 29 |
| 1 | MARSH CROCODILE | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| 2 | GHARIAL | 4 | 3 | 17 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 3 | 2 | 16 | 21 |
| 3 | STARRED TORTOISE | 0 | 0 | 40 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 36 | 36 |
| 4 | FRESH WATER TORTOISE | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 5 | 5 |
| 5 | PYTHON (INDIAN ROCK) | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| | Total B | 5 | 6 | 68 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 8 | 8 | 4 | 4 | 61 | 69 |
| | Grand Total A+B | 10 | 15 | 80 | 105 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 1 | 0 | 8 | 9 | 8 | 13 | 77 | 98 |

Part B
Inventory for the year 2018-19
Species other than Endangered in Jaipur Zoo

| S.NO. | SPECIES | OPENING STOCK | | | | BIRTH | | | | ACQUISITION | | | | DISPOSALS | | | | DEATH | | | | CLOSING STOCK | | | |
|-------|-------------------|------------------|-----------|-----------|-----------|----------|----------|-----------|-----------|-------------|----------|----------|----------|-----------|----------|----------|----------|------------------|----------|----------|----------|---------------|-----------|-----------|------------|
| | | As on 01-04-2018 | | | | | | | | | | | | | | | | as on 31-03-2019 | | | | | | | |
| | | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T |
| 2 | HAMADRAYAS BABOON | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 3 | SAMBAR | 1 | 5 | 4 | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 11 |
| 4 | CHEETAL | 8 | 39 | 28 | 75 | 0 | 0 | 25 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 | 13 | 36 | 46 | 95 |
| | Total A | 10 | 44 | 32 | 86 | 0 | 0 | 26 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 6 | 14 | 41 | 51 | 106 |

27. Mortality of animals

| S.No. | Animal Name (with individual identification mark, if any) | Scientific Name | Sex | Date of Death | Reason of Death as per the Post-mortem report |
|-------|---|---------------------|-----|---------------|---|
| 1 | Wild boar | Sus scrofa | M | 12.04.18 | Septicaemia |
| 2 | Sika deer | Cervus nippon | F | 24.04.18 | Cardiac arrest |
| 3 | IndianWolf (puppy) | Canis lupus | F | 31.05.18 | Shock |
| 4 | Indian wolf | Canis lupus | M | 04.06.18 | Cardiac arrest due to old age |
| 5 | Sambar | Rusa unicolor | F | 10.06.18 | Cardiac arrest |
| 6 | IndianWolf (puppy) | Canis lupus | M | 03.07.18 | Haemorrhagic shock |
| 7 | Hyaena | Hyaena hyaena | F | 09.08.18 | Septicaemia |
| 8 | Sloth bear | Melursus ursinus | F | 27.08.18 | Asphyxia |
| 9 | Black buck | Antelope cervicapra | M | 10.09.18 | Cardiac arrest |
| 10 | Sambar | Rusa unicolor | F | 16.09.18 | Septicemia shock |
| 11 | Sika deer | Cervus nippon | F | 30.09.18 | Haemorrhagic shock |
| 12 | Black buck | Antelope cervicapra | M | 30.10.18 | Asphyxia |
| 13 | Jackal | canis aureus | F | 25.10.18 | Haemorrhagic shock |
| 14 | Chinkara | Gazelle benettii | M | 26.11.18 | Haemorrhagic shock |
| 15 | Chinkara | Gazelle benettii | M | 27.11.18 | Shock resulting from fracture |
| 16 | Sambar | Rusa unicolor | F | 28.11.18 | Shock resulting from fracture |
| 17 | Chinkara | Gazelle benettii | F | 29.11.18 | Shock |
| 18 | Black buck | Antelope cervicapra | M | 30.11.18 | Cardiac arrest |
| 19 | Chinkara | Gazelle benettii | M | 2.12.18 | Shock |
| 20 | Tiger cub | Panthera tigris | F | 11.12.18 | Cardiopulmonary failure |
| 21 | Jackal | canis aureus | M | 12.12.18 | Haemorrhagic shock |
| 22 | Jackal | canis aureus | M | 14.12.18 | Haemorrhagic shock |
| 23 | Jackal | canis aureus | F | 18.12.18 | Haemorrhagic shock |
| 24 | Jackal | canis aureus | F | 26.12.18 | Kidney failure |
| 25 | Cheetal | Axis axis | M | 01.01.19 | Asphyxia |
| 26 | Cheetal | Axis axis | M | 05.01.19 | Asphyxia |
| 27 | Chinkara | Gazelle benettii | F | 11.01.19 | Haemorrhagic shock |
| 28 | Cheetal | Axis axis | F | 22.01.19 | Asphyxia |

| | | | | | |
|----|--------------------|-------------------------|---|----------|----------|
| 29 | Jackal | canis aureus | M | 10.02.18 | Asphyxia |
| 30 | Cheetal | Axis axis | F | 08.03.19 | Asphyxia |
| 31 | Emu | Dromaiushovaehollandiae | M | 13.03.19 | Shock |
| 32 | Emu | Dromaiushovaehollandiae | M | 13.03.19 | Shock |
| 33 | Indian wolf(puppy) | Canis lupus | F | 15.03.19 | Asphyxia |
| 34 | Indian wolf(puppy) | Canis lupus | F | 15.03.19 | Asphyxia |
| 35 | Indian wolf(puppy) | Canis lupus | F | 15.03.19 | Asphyxia |
| | | | | | |

28. Compliance with conditions stipulated by the Central Zoo Authority

| Sr. No | Norm Under RZR, 2009 | Particular of suggestions/recommendation | compliance |
|--|----------------------|--|---|
| NAHARGARH BIOLOGICAL PARK, NAHARGARH, JAIPUR, RAJASTHAN | | | |
| 1 | 10(2.2) | The Veterinary Officer who has attended several trainings organized by CZA has been in-charge for birds housed at old site and looking after wild animals rescue works as assigned by the Forest Department. He should be asked to help the Veterinary Officer at nahargarh Biological Park to keep updated mandatory records. | Senior Veterinary Officer Dr. Arvind Mathur has been directed vide letter no. 2163 dated 2.05.2018 to help in keeping updated mandatory records by going to Nahargarh Biological Park twice every week. |
| 2 | 10(2.2) | The Zoo has not posted one Biologist and one Education Officer as mandatory under the Rules. | Correspondence with the higher officers has been initiated for allotment of one post each for Biologist, Curator and education Officer. |
| 3 | 10(3.5) | The water body provided in mugger and gharial enclosure should be provided with an outlet for easy cleaning and filling of water body. | To fill the water bodies of Gharial and Muger enclosures an inlet pipe of 2" diameter has been provided from main tank for smooth functioning. To clean the water |

| | | | |
|---|------------|--|--|
| | | | bodies, seperate pump set has been installed. Outlet pipe will be provided shortly. |
| 4 | 10(3.7 &8) | <p>The Zoo received Leopard 4 (2:2) from Sariska Tiger Reserve However approval of CWLW of the state and the CZA has not been obtained. A clarification to this violation should be submitted to CZA. Further on perusal of the inventory records submitted to the CZA for the financial year 2016-17 it is observed that the zoo has acquired Sloth Bear 1:1, Indian Gazell (0:1) Leopard (1:0) without obtaining approval from the CZA, Therefore, details should be submitted with regard to its source of acquisition. whether prior permission of the Chief Wild Life Warden of the State and the CZA have been obtained, if so copies of the letter be provided to the CZA.</p> <p>The Zoo operator is directed to stop acquiring rescued animals without observations of statutory requirements. Further, the zoo is also directyed not to use any rescued animals for display to visitor and animal exchange between Zoos.</p> | <p>No rescued animal has been displyed in Nahargarh biological park. The rescued leopards 2:2 from Sariska Tiger reserve are kept in Rescue Center with permission from CWLW, Rajasthan. The Sloth bear (1:1) were brought frm Bilaspur Zoo under animal exchange with prior permission from CZA. One Leopard named Krishna is being displayed with permission from CZA.</p> <p>No rescued animal has been displayed in Nahargarh Biological Park.</p> |
| ANIMAL HOUSING, DISPLAY OF ANIMALS AND ANIMAL ENCLOSURES | | | |
| 5 | 10(4.1) | In animal enclosures (White tiger, Sloth bear and others) the feeding and retiring cells are visible to the visitors. The efforts should be made by the zoo to provide dense plantation in between the animal houses, so that the feeding and retirnig cells shall not be visible to the visitors. | Plantations were done between animal houses for hiding feeding and retiring cells but the plants were destroyed by the animals. More planting will be done in the coming monsoon. |

| | | | |
|---|--------------|---|--|
| 6 | 10(4.2) | The temporary chain link mess partition in the Sloth bear enclosure should be removed. | The temporary chain link mess partition in the Sloth bear enclosure has been removed |
| 7 | 10(4.2) | The chain link fence in the Mugger enclosure provided on moat wall is not required. It should be removed. | Chain link fence in the Mugger enclosure on the moat wall has been removed. |
| 8 | 10(4.2) | The water body provided to Mugger inside the Zoo is too deep. Its shape should be mde as saucer shape and with gentle slope. | The design of the water body provided to Mugger was duely approved by CZA. Necessary steps will be taken to convert it in to saucer shaped water body with much gentler slope. |
| 9 | 10(4.2 &9.9) | <p>The Zoo has failed to provide animal enclosure for the following species as per standards and norms prescribed by CZA :-</p> <ol style="list-style-type: none"> 1. Desert fox - Schedule I species (Existing enclosure area 15 sq. mts.) 2. Indian fox - Schedule II species (Existing enclosure area 15 sq. mts.) 3. Small Indian civet - Schedule II species (Existing enclosure area 15 sq. mts.) 4. Jungle cat - Schedule II species (Existing enclosure area 15 sq. mts.) <p>The Desert Fox and Jungle Cat has been exhibited in the zoo. However, the details are not submitted in the Animal Inventory submitted to the CZA for the year 2016-17. Details should be submitted on source of acquisition of these species.</p> <p>The above Animal exhibits are also not part of approved Animal Collection Plan and Master (Layout) Plan of the Zoo.</p> <p>The Zoo has also not obtainned approval of CZA on design of Animal exhibits as mandatory under Rule 10 4(8) of RZR 2009</p> | Revised plan will be submitted shortly. |

| | | | |
|----|-----------|---|--|
| 10 | 10(4.3&9) | The visitor viewing are in the Gharial enclosure should not be more than 25 % of perimeter of enclosure. | The visitor viewing are in the Gharial enclosure is as per the CZA approved design and is not more then 25 % of the perimeter of the enclosure. |
| 11 | 10(4.3&9) | The visitor viewing are in the Mugger enclosure should not be more than 25 % of perimeter of enclosure. | The visitor viewing are in the Mugger enclosure is as per the CZA approved design and is not more then 25 % of the perimeter of the enclosure. |
| 12 | 10(4.3&9) | The visitor viewing are in the Sambar enclosure should not be more than 25 % of perimeter of enclosure. | The visitor viewing are in the Sambar enclosure is as per the CZA approved design and is not more then 25 % of the perimeter of the enclosure. |
| 13 | 10(4.3&9) | The visitor viewing are in the Sikka deer enclosure should not be more than 25 % of perimeter of enclosure. | The visitor viewing are in the Sikka deer enclosure is as per the CZA approved design and is not more then 25 % of the perimeter of the enclosure. |
| 14 | 10(4.3&9) | The visitor viewing are in the tiger enclosure should not be more than 25 % of perimeter of enclosure. | The visitor viewing are in the Tiger enclosure is as per the CZA approved design and is not more then 25 % of the perimeter of the enclosure. |
| 15 | 10(4.3) | The Baboon and Assamese macaque enclosure should be provided open naturilistic enclosure at new site. | Assamese macaque died in 2011 and Baboon has already surpassed average life span for Baboons. In our opinion it would |

| | | | |
|---|-----------|---|--|
| | | | not be good for him shift to new site. |
| 16 | 10(4.6) | The Zoo has failed to provide the Gharial enclosure with enough sand for basking. | Enough sand for basking has been provided in the Gharial enclosure. |
| 17 | 19(4.9) | The Zoo has failed to provide Stand-off barrier for the swamp deer enclosure as prescribed by the CZA. | Stand-off barrier for the swamp deer enclosure as prescribed by the CZA will be provided shortly. |
| UPKEEP AND HEALTHCARE OF ANIMALS | | | |
| 18 | 10(5.2) | The animal diet schedule for the animals housed at the zoo should be prepared by the Veterinary of the Zoo and followed. | Animal diet schedule for the animals housed at the zoo have been prepared by the Veterinary of the Zoo and are being followed. |
| 19 | 10(5.2&3) | At present the Sloth bear are primarily fed with Roti, Milk, Jaggery and Eggs. This should be replaced with natural food in consultation with the Veterinarian of the Zoo. | We have started providing more natural food as suggested by the Veterinary Officer to the Sloth bear by gradually reducing Roti, Milk, Jaggery and Eggs. |
| 20 | 10(5.4) | The Sloth bear have been provided with kraal of the size of 7x5 mts. only. It should be increased to 100 sq. mts. | The kraal size for Sloth bear is as per the design approved by CZA dated 20.09.2012 |
| 21 | 10(5.4) | The kraal area of 36 sq mts of Asiatic Lion is less than the prescribed size by the CZA. Similar observations are for the Leopard, the Tiger and the Sloth bear also. The Kraal area should be increased to 100 sq mts. | The kraal sizes for Asiatic Lion, Leopard, Tiger and Sloth bear are as per the design approved by CZA dated 20.09.2012 |
| 22 | 10(5.4) | It was observed that there is old Spotted deer Kraal existing next to the Sloth bear enclosure lying abandoned. It should be immediately removed. | Old fencing has been removed and kitchen for animals has been constructed at this site as per |

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| | | | direction. |
| 23 | 10(5.9) | The Zoo should screen all staff for zoonotic diseases. | Medical health check up of all zoo staff has been done on 04.01.2018. For medical check up office order 3875 dated 27.12.2017 was issued. |
| 24 | 10(5.10) | The zoo does not have any individual Animal History Sheet for the animal housed at the zoo. The zoo should maintain detailed records of observations of biological and social behaviour and health status of the animals including feed intake, medication and treatment provided in the Keeper's Diary, Daily Reports, Animal History Cards and Treatment cards, as per standard specified by the Central Zoo Authority. The Individual Animal history Sheet file may also include details on Vaccination and de-worming. | Keeper's Diary, Daily Reports, Animal History Cards and Treatment cards, as per standard specified by the Central Zoo Authority, are being maintained regularly since the day of inspection. Vaccination and de-worming are being recorded in individual Animal history Sheet. |
| VETERINARY AND INFRASTRUCTURE FACILITIES | | | |
| 25 | 10(6.1) | The Zoo has failed to provide veterinary Unit with basic facilities to carry out the routine test . | The zoo is taking help of State Disease Center for routine tests. |
| 26 | 10(6.3) | The Zoo failed to provide squeeze cage for the White tiger feeding & retiring cells . | squeeze cage for the White tiger feeding & retiring cells will be provided within 1 month. |
| 27 | 10(6.5) | The Zoo does not have any para -Vet staff mandatory under the Rules | Correspondance with higher officer has been started for allotment of Para -Vet staff posts |
| POST-MORTEM AND DISPOSAL OF CARCASSES | | | |
| 28 | 10(7.1,2&3) | The Zoo has failed to maintain Post Mortem reoprt for last 6 years. | All Post Mortem reports are being maintained. |
| 29 | 10(7.1,2&3) | The Zoo has also failed to maintain | Current Post |

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| | | current Post Mortem report in the prescribed format of the CZA. | Mortem report are being maintained in the prescribed format of the CZA |
| ACQUISITION AND BREEDING OF ANIMALS | | | |
| 30 | 10(9.10) | The present Veterinary Officer has been staying 30 Km away from the Zoo .Thus in case of emergency the zoo has failed to arrange local veterinary care facility for animals. | Veterinary Officer has shifted to a new residence which is just two kilometers from the Nahargarh Biological Park. |
| 31 | 10(9.12) | The Zoo has failed to keep the Asiatic lion and the hybrid lion separately . | Asiatic lion and the hybrid lion are neither kept nor displayed together. |
| VISITOR FACILITIES | | | |
| 32 | 10(12.1) | The Zoo has failed to solve the problem of acute water scarcity in the Zoo . | |
| OTHERS | | | |
| 33 | | The Zoo has failed to remove unutilized angle iron lying in the Sloth bear enclosure . | Unutilized angle iron lying in the Sloth bear enclosure have been removed. |
| 34 | | The Zoo has failed to shift " keeper-entry " in the Gharial enclosure from front to the appropriate place in the side . | " Keeper-entry " in the Gharial enclosure is being shifted from front to the appropriate place in the side as per direction. |
| 35 | | The Zoo has failed to cover Water tank located on top of animal house of Asiatic lion enclosure having bright colour by thatch or painted with appropriate place in the side . | Water tank located on top of animal house of Asiatic lion enclosure has been camouflaged |
| 36 | | The Zoo has failed to made functional hydraulic system of Operation Table . | Hydraulic system of Operation Table is fully functional. |
| 37 | | The Zoo has failed to ensure fly proof meat room . | Meat room has been made fly proof. |
| 38 | | The Zoo has failed to cover appropriately the inlet water pipe line in the Black Buck enclosure for the Safety of animal. | Inlet water pipe line in the Black Buck enclosure has been appropriately |

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| | | | covered. |
| 39 | | The Zoo has failed to protect trees existing in the Spotted deer enclosure from debarking to maintain shade and green cover in the enclosure . | The trunks of the trees present in Spotted deer enclosure have been covered appropriately to avoid debarking. |
| 40 | | The Zoo has failed to provide foot-bath in the feeding cells of all carnivores and other animals . | Foot-bath in the feeding cells of all carnivores and other animals is being followed. |
| JAIPUR ZOO, JAIPUR, RAJASTHAN | | | |
| 41 | 1.2 | The Zoo has failed to provide to increase overall greenery in the Zoo to provide natural conditions | Steps are being taken to increase overall greenery in the Zoo to provide natural conditions. New plants including shrubs and trees will be planted in the coming monsoon. |
| 42 | 1.3 | The Zoo has failed to regulate movement of visitors and also failed to provide prominent directional signages at appropriate location . | Prominent directional sinages have been installed at appropriate places and movement of visitors is being regulated properly. |
| 43 | 1.9 | The Zoo has failed to stop displaying Barheaded goose with domestic ducks .These domestic ducks br removed immediatly from the enclosure .The CC floor should be dismantled and replaced by earthen floor.The enclosure be enriched by plantation of appopriate species . | Domestic ducks have been removed from the enclosure and are not being displayed. CC floor will be been dismantled and replaced by earthen floor. |
| ANIMAL HOUSING DISPLAY OF ANIMALS AND ANIMAL ENCLOSURES | | | |
| 44 | 4.2 | The Zoo has failed shift Gharial & Muggar to the new site -Nahargarh Biological Park ,Nahargarh in spite of the fact that the enclosure has been constructed and ready to shift animal at new site . | Gharial & Muggar are being shifted to Nahargarh Biological Park. |

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| 45 | 4.3 | The Zoo has failed to paint Chain link fences and grills in some enclosures. | All the chain link fences have been painted |
| 46 | 4.6 | The Zoo has failed to enrich the bird enclosure appropriately. | Bird enclosures are being enriched. |
| UPKEEP AND HEALTHCARE OF ANIMALS | | | |
| 47 | 6.3 | The Zoo has failed to appoint trained compounder and x-ray technician for veterinary facilities including latest dart guns ,x-ray ,operation table, latest medicines. | Correspondance with higher officer has been started for allotment of compounder and x-ray technician. |
| ACQUISITION AND BREEDING OF ANIMALS | | | |
| 48 | | The Zoo has failed to pair the single animals like Ratel,Baboon ,Assamese Macaque, Kalij Pheasant and Sarus crane. | Assamese Macaque died in 2011. Baboon is too old to pair. Ratel, Kalij Pheasant and Sarus crane will be paired soon. |
| 49 | 9.9 | The Zoo has failed to take population control measures for spotted deer and black bucks | A number of Spotted deers and black bucks have been shifted to Mukundra Tiger Researve. Necessary steps are being taken in this regard to keep the population at appropriate level. |
| EDUCATION AND OUTREACH ACTIVITIES | | | |
| 50 | | The Zoo has failed to improve animal's and directional signage's | Proper signages have been installed. |
| VISITOR'S FACILITIES | | | |
| 51 | | The Zoo has failed to improve public amenities like toilets ,Water points. | Public amneties like toilets, drinking water etc are being improved. |
| OTHERS | | | |
| 52 | | The Zoo has failed to shift all the animals from old site to the Nahargarh Biological Park ,Nahargarh. | Most of the mammals barring black bucks, sambar and baboon have been already shifted to Nahargarh |

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| | | | Biological Park. |
| 53 | | The Zoo has failed to shift black bucks (18nos.) from old site to Nahargarh Biological Park ,Nahargarh | All the black buck will be shifted to Nahargarh Biological Park shortly. |
| 54 | | The Zoo has failed to provide enclosures with minimum dimensions as prescribed by the CZA to the Birds . 1. White ibis 2.white Stock 3. Rosy pelican 4.Spot billed duck 5.Greater Flamingo 6.Grey hornbill 7.Pied hornbill 8. Peafowl etc Reptiles 1. Soft shell turtles | Bird Aviary plan for the old zoo site has already been submitted to CZA. |

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

A. MAMMALS

1. Panther
2. Striped Hyaena
3. Jackal
4. Sambar
5. Nilgai
6. Porcupine
7. Langoor
8. Indian Hare
9. Grey Mongoose
10. Indian Fox
11. Palm civet
12. Squirrel
13. Small indian Mongoose

B. BIRDS:- More than 280 types of birds are identified in the Nahargarh Biological Park area. List as follows:

A. RARE BIRDS IN NBP

| S.No. | Name of Birds | S.No. | Name of Birds |
|-------|----------------------|-------|---------------------------|
| 1 | Striated heron | 18 | White naped woodpecker |
| 2 | Darter | 19 | Black winged cuckooshrike |
| 3 | Red necked falcon | 20 | Marwshall'siora |
| 4 | White rumped vulture | 21 | White bellied minivet |
| 5 | Griffon vulture | 22 | White naped tit |
| 6 | Red headed vulture | 23 | Spotted creeper |

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|----|-------------------------|----|---------------------|
| 7 | Northern goshawk | 24 | Taiga flycatcher |
| 8 | Common buzzard | 25 | Verditer flycatcher |
| 9 | Eastern imperial eagle | 26 | Spanish sparrow |
| 10 | Baillon'crake | 27 | Streaked weaver |
| 11 | Little tern | 28 | White rumped munia |
| 12 | Grey bellied cuckoo | 29 | Olive backed pipit |
| 13 | Dusk eagle owl | 30 | Common rosefinch |
| 14 | Brown fish owl | 31 | Grey necked bunting |
| 15 | Mottled wood owl | 32 | Striolated bunting |
| 16 | Brown hawk owl | 33 | Red headed bunting |
| 17 | Stork billed kingfisher | | |

B. UNCOMMON BIRDS

| S.No. | Name of Birds | S.No. | Name of Birds |
|-------|----------------------|-------|--------------------------------|
| 1 | Black francolin | 23 | Brown capped pygmy wood pecker |
| 2 | Rain quail | 24 | Brown shrike |
| 3 | Greylag goose | 25 | Isabelline shrike |
| 4 | Bar headed goose | 26 | Ashy drongo |
| 5 | Eurasian wigeon | 27 | Indian jungle crow |
| 6 | Mallard | 28 | Barn swallow |
| 7 | Red crested pochard | 29 | Greater short toed lark |
| 8 | Ferruginous duck | 30 | Crested lark |
| 9 | Great crested grebe | 31 | Blyth's reed warbler |
| 10 | Eurasian hobby | 32 | Booted warbler |
| 11 | Osprey | 33 | Sykes's warbler |
| 12 | pallid harrier | 34 | Dusky warbler |
| 13 | Besra | 35 | Brook's leaf warbler |
| 14 | Eurasian sparrowhawk | 36 | Hume's leaf warbler |
| 15 | Bonelli's eagle | 37 | Hume's white throat |
| 16 | Booted eagle | 38 | Orange headed thrush |
| 17 | Water rail | 39 | Desert wheatear |
| 18 | Spotted redshank | 40 | Ultramarine flycatcher |
| 19 | Spotted dove | 41 | Scaly breasted munia |
| 20 | Short eared owl | 42 | Black headed munia |
| 21 | Indian scops owl | 43 | Blyth's pipit |
| 22 | Sykes's nightjar | | |

C. COMMON BIRDS

| S.No. | Name of Birds | S.No. | Name of Birds |
|-------|-----------------------|-------|---------------------------|
| 1 | Grey francolin | 102 | Little swift |
| 2 | Common quail | 103 | Common hoopoe |
| 3 | Jungle bush quail | 104 | Indian roller |
| 4 | Rock bush quail | 105 | Eurasian roller |
| 5 | Indian peafowl | 106 | White throated kingfisher |
| 6 | Lesser whistling duck | 107 | Common kingfisher |
| 7 | Knob billed duck | 108 | Pied kingfisher |

| | | | |
|-----------|----------------------------|------------|----------------------------|
| 8 | Ruddy shel duck | 109 | Green bee eater |
| 9 | Cotton pygmy goose | 110 | Blue cheeked bee eater |
| 10 | Gadwall | 111 | Blue tailed bee eater |
| 11 | Indian spot billed duck | 112 | Indian grey hornbill |
| 12 | Northern shoveler | 113 | Brown headed barbet |
| 13 | Norther pintail | 114 | Coppersmith barbet |
| 14 | Garganey | 115 | Eurasian wryneck |
| 15 | Common teal | 116 | Yellow crowned wood pecker |
| 16 | Common pochard | 117 | Lesser goldenback |
| 17 | Tufted duck | 118 | Indian pitta |
| 18 | Little grebe | 119 | common woodshrike |
| 19 | Painted stork | 120 | Large cuckooshrike |
| 20 | Black crowned night heron | 121 | Black headed cuckooshrike |
| 21 | Indian pond heron | 122 | Common lora |
| 22 | Grey heron | 123 | Small minivet |
| 23 | Purple heron | 124 | Bay backed shrike |
| 24 | Cattle egret | 125 | Long tailed shrike |
| 25 | Great egret | 126 | Southern grey shrike |
| 26 | Intermediate egret | 127 | Black drongo |
| 27 | Little egret | 128 | White bellied drongo |
| 28 | Little cormorant | 129 | Indian golden oriole |
| 29 | Indian cormorant | 130 | White browed fantail |
| 30 | Great cormorant | 131 | Asian paradise flycatcher |
| 31 | Common kestrel | 132 | Rufous treepie |
| 32 | Laggar falcon | 133 | House crow |
| 33 | peregrine falcon | 134 | Great tit |
| 34 | Black winged kite | 135 | Plain martin |
| 35 | Black kite | 136 | Dusky crag martin |
| 36 | brahminy kite | 137 | Streak throated swallow |
| 37 | Oriental honey buzzard | 138 | Wire tailed swallow |
| 38 | Egyptian vulture | 139 | Red rumped swallow |
| 39 | Short toed snake eagle | 140 | Singing bushlark |
| 40 | Eurasian marsh harrier | 141 | Rufous tailed lark |
| 41 | Shikra | 142 | Indian bushlark |
| 42 | White eyed buzzard | 143 | Ashy crowned sparrow lark |
| 43 | Long legged buzzard | 144 | oriental skylark |
| 44 | Tawny eagle | 145 | White eared bulbul |
| 45 | Steppe eagle | 146 | Red vented bulbul |
| 46 | White breasted waterhen | 147 | Grey breasted prinia |
| 47 | Brown crake | 148 | Graceful prinia |
| 48 | Small button quail | 149 | Jungle prinia |
| 49 | Yellow legged button quail | 150 | Ashy prinia |
| 50 | Barred button quail | 151 | plain prinia |
| 51 | Purple swamp hen | 152 | Rufous fronted prinia |
| 52 | Common moorhen | 153 | Zitting cisticola |
| 53 | Eurasian coot | 154 | Common tailorbird |
| 54 | Eurasian thick knee | 155 | Clamorous reed warbler |
| 55 | Pheasant tailed Jacana | 156 | Common chiffchaff |

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|------------|------------------------------|------------|-------------------------------|
| 56 | Bronge winged jacana | 157 | Tickell's leaf warbler |
| 57 | Black winged stilt | 158 | Greenish warbler |
| 58 | pied avocet | 159 | Lesser white throat |
| 59 | Yellow wattled lapwing | 160 | Desert white throat |
| 60 | Red wattled lapwing | 161 | Orphean warbler |
| 61 | White tailed lapwing | 162 | Common babbler |
| 62 | Little ringed plover | 163 | Large grey babbler |
| 63 | Kentish plover | 164 | Jungle babbler |
| 64 | Greater painted snipe | 165 | Yellow eyed babbler |
| 65 | Ruff | 166 | oriental white eye |
| 66 | Common snipe | 167 | Bank myna |
| 67 | Black tailed godwit | 168 | Common myna |
| 68 | Common redshank | 169 | Asian pied starling |
| 69 | Marsh sand piper | 170 | Brahminy starling |
| 70 | Common green shank | 171 | Rosy starling |
| 71 | Green sand piper | 172 | Common starling |
| 72 | Wood sand piper | 173 | Blue throat |
| 73 | Common sand piper | 174 | Oriental magpie robin |
| 74 | little stint | 175 | Indian robin |
| 75 | Temminck's stint | 176 | Black redstart |
| 76 | River tern | 177 | Common stonechat |
| 77 | Whiskered tern | 178 | Pied bushchat |
| 78 | Chestnut bellied sand grouse | 179 | Isabelline wheatear |
| 79 | painted sand grouse | 180 | Variable wheatear |
| 80 | Common pigeon | 181 | Brown rock chat |
| 81 | Oriental turtle dove | 182 | Blue rock thrush |
| 82 | Eurasian collared dove | 183 | red breasted flyctcher |
| 83 | Red collared dove | 184 | Tickell's blue flycatcher |
| 84 | Laughing dove | 185 | Grey headed canavy flycatcher |
| 85 | Yellow footed green pigeon | 186 | Purple sunbird |
| 86 | Alexandrine parakeet | 187 | House sparrow |
| 87 | Rose ringed parakeet | 188 | Chestnut shouldered petronia |
| 88 | Plum headed parakeet | 189 | Baya weaver |
| 89 | Jacobin cuckoo | 190 | Indian silverbill |
| 90 | Common hawk cuckoo | 191 | Red avaduat |
| 91 | Indian cuckoo | 192 | Yellow wagtail |
| 92 | Asian koel | 193 | Citrine wagtail |
| 93 | Sirkeer malkoha | 194 | Grey wagtail |
| 94 | Southern coucal | 195 | White wagtail |
| 95 | Barn owl | 196 | White browed wagtail |
| 96 | Spotted owlet | 197 | paddyfield pipit |
| 97 | indian eagle owl | 198 | Tawny pipit |
| 98 | Jungle nightjar | 199 | Tree pipit |
| 99 | Indian nightjar | 200 | Long billed pipit |
| 100 | Savanaa nightjar | 201 | Crested bunting |
| 101 | Asian palm swift | 202 | White capped bunting |

C. REPTILES

1. Crocodile
2. Monitor lizard
3. Cobra
4. Vipers
5. Kraits
6. Barking gecko
7. Fat tailed gecko
8. John's Earth boa

FLORA-

Park is situated in Aravalli hills, natural flora of park is mainly aravalli like as

| S.No. | Name of Species | S.No. | Name of Species |
|-------|------------------------------|-------|-----------------|
| 1 | Dhonk | 14 | Sahajana |
| 2 | Salar | 15 | Neem |
| 3 | Kumtha | 16 | Peepal |
| 4 | Hingot | 17 | Bargad |
| 5 | kankera(Mytenus emarginata) | 18 | Shisham |
| 6 | Guggel | 19 | babool |
| 7 | Kair | 20 | Raunj |
| 8 | Ber | 21 | Satawar |
| 9 | Jal | 22 | Jal jamni |
| 10 | Gangeran | 23 | Hemkand |
| 11 | Falash | 24 | Badhara |
| 12 | Arani | 25 | Dhaman |
| 13 | Gondi | | |

TREE TRANSPLANTATION

In Nahargarh Biological Park four very old tree of Bargad (*Ficus bengalensis*) were transplanted from Badi chopad , Jaipur. These tree were planted at the time of initial phase of establishment of Jaipur, nearly 215 years ago. There were four such trees on all four corners of the Badi Chopad.

These trees were to be removed in order to create space for the development of Jaipur Metro. Instead of letting Jaipur Metro fell them, it was decided to transplant them in the biological park. Forest department approached Jaipur Metro for ensuring the transplantation of these wonderful specimens. Metro agreed to remove these trees in such a manner that they could be taken to Nahargarh Biological park and replanted. Lot of planning went into it as it was a risky business to remove these trees having girth more than 11 meters and weighing more than 34 tonnes. The task of transportation of such huge trees in congested walled city having defined gate size due to its historical heritage was a big challenge.

Tree was trimmed in such a fashion that they could be transported in easy way without any causing damage to the historical gates . The transportation work was carried out in night time. Heavy cranes and long trucks were used.

Proper removal of trees , lifting, transportation and unloading were quite difficult tasks. These tasks were carried out successfully because of proper planning and dedication of our team. All four tree were transplanted in the park. Out of these four trees two have established very well and are flourishing. These trees have become an added attraction for all the visitors coming to the park.

Common name of tree : Bargad

Botanical name : *Ficus bengalensis*

Tree no. 118

Girth of tree - 11.10 meter (36.4 feet)

Weight - 34 tonne (at the time of transportation)

Age -215 years (Approximately)

Date of transplantation: 16.02.2018



At the time of transplanting



After one year tree photo