

# <Patiala Zoo Patiala>

Annual Report for the year  
2018-19

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1. **Report of the Officer-in-charge :-** Year 2018-19 presented many challenges and constraints regarding management of Patiala Zoo, but we managed to deal with this situation and saw many positive advancements during the financial year 2018-19. The recognition of Patiala Zoo as a small category zoo is renewed upto 22/03/2020 and the period after 31/01/2014 was also regularised by Central Zoo Authority. The Master Layout Plan of Zoo was also approved by Central Zoo Authority (Ministry of Environment, Forest & Climate Change, Govt. of India.) The process of construction of new pheasantry, small bird cages was initiated during the year 2018-2019. I hope, in coming years the Patiala Zoo wood becomes a major tourist spot for the public and wildlife lovers.
2. **History of the Zoo :-** Patiala Zoo, Patiala popularly known previously as Moti Bagh Deer Park was established in 1968 within the Bir Moti Bagh Wild Life Sanctuary. It was initially given the status of a Deer Park. It has now been recognized as a Small Zoological Zoo by Central Zoo Authority, Ministry of Environment, Forest & Climate Change, Govt. of India. It was the first deer park of Punjab Forest & Wild Life Preservation Department.
3. **Vision:-** To lay emphasis for the conservation of wildlife.
4. **Mission:-** Secure a better world for wild animals through human understanding.
5. **Objective:-**
  - A) Introduce wildlife to the public.
  - B) Ensuring animal welfare.
  - C) Conservation of wild animals.
  - D) Research and Education relating to wildlife.
  - E) Recreation of public.

## 6. **About us**

| S.No.                                  | Particulars           | Information  |
|--|-----------------------|--|
| <b>Basic Information about the Zoo</b> |                       |  |
| 1                                      | Name of the Zoo       | Patiala Zoo Patiala  |
| 2                                      | Year of Establishment | 1968   |
| 3                                      | Address of the Zoo    | Dakala Road, Patiala   |
| 4                                      | State                 | Punjab   |
| 5                                      | Telephone Number      | 0175-2970801   |
| 6                                      | Fax Number            | Nil  |
| 7                                      | E-mail address        | <a href="mailto:dfowildlifepatiala@gmail.com">dfowildlifepatiala@gmail.com</a> |
| 8                                      | Website               | <a href="http://pbforests.gov.in/">http://pbforests.gov.in/</a>                |

| S.No.                                  | Particulars                                    | Information   |
|--|--|---|
| 9                                      | Distance from nearest                          | Airport: 50 K.M from Chandigarh   |
|  |  | Railway Station: 8 K.M from Patiala   |
|  |  | Bus Stand: 8 K.M from Patiala   |
| 10                                     | Recognition Valid upto (Date)                  | 22.03.2020  |
| 11                                     | Category of zoo                                | Small Zoo   |
| 12                                     | Area (in Hectares)                             | 23 Hect.  |
| 13                                     | Number of Visitors (Financial Year)            | Adult :61831  |
|  |  | Children :14649   |
|  |  | Total Indian : 74600  |
|  |  | Total Foreigners : 1880   |
|  |  | Total Visitors: 76480   |
| 14                                     | Visitors' Facilities Available in Zoo          | a) Drinking water facility<br>b) Reset area/sit outs/visitor shed at convenient location<br>c) First aid facility<br>d) Wheel chairs for physically handicapped person<br>e) Signages<br>f) Toilets<br>g) Interpretation centre<br>h) Canteen |
| 15                                     | Weekly Closure Day of the Zoo                  | Monday  |
| <b>Management Personnel of the zoo</b> |  |   |
| 16                                     | Name with designation of the Officer in-charge | Sh.Arun Kumar, PFS  |
|  | Name of the Veterinary Officer                 | Dr.Amit Khurana & Dr.M.P.Singh  |
|  | Name of the Curator                            | —   |
|  | Name of the Biologist                          | —   |
|  | Name of the Education Officer                  | —   |
|  | Name of the Compounder/ Lab Assistant          | Sh.Surinder Singh, Vet.Pharm.   |
| <b>Owner / Operator of the Zoo</b>     |  |   |

| S.No. | Particulars                              | Information  |
|-------|--|--|
| 17    | *Name of the Operator                    | Additional Chief Secretary, Punjab Forest & Wildlife Preservation Deptt. Punjab. |
| 18    | Address of the Operator                  | Room No.10, Floor 8, Punjab Civil Secretariat, Chandigarh.                       |
| 19    | Contact details/Phone number of Operator | 2742771  |
| 20    | E-mail address of Operator               | acsfccoop@gmail.com  |

*\* Rule 2(m) of the Recognition of Zoo Rules, 2009.*

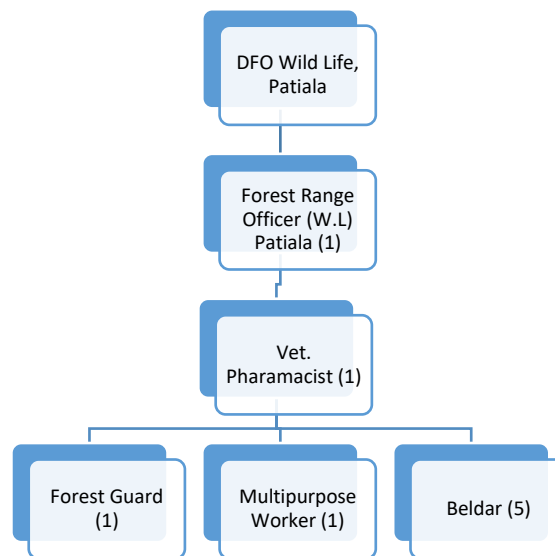
*“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that\_\_\_\_\_*

*I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or*

*II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or*

*III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.*

## 7. Organizational Chart



## 8. Human Resources

### Manpower of the Zoo\*

| Sl.No. | Designation                     | Number of Sanctioned Posts | Names of the incumbent |
|--------|---------------------------------|----------------------------|------------------------|
| 1      | Divisional Forest Officer (W.L) | 1                          | 1                      |
| 2      | Forest Range Officer            | 1                          | 1                      |
| 3      | Vet. Pharmacist.                | 1                          | 1                      |
| 4      | Forest Guard                    | 1                          | 1                      |
| 5      | Multipurpose Worker             | 1                          | 1                      |
| 6      | Beldar                          | 5                          | 5                      |

\*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

## 9. Capacity Building of zoo personnel

| Sr.No. | Name and designation of the zoo personnel | Subject matter of Training | Period of Training       | Name of the Institution where the Training attended |
|--------|---|----------------------------|--------------------------|---|
| 1      | Sh.Ravinder Kumar, Zoo Keeper             | Zoo Keeper                 | 26/11/2018 to 09/12/2018 | Etawah (Uttar Pardesh)                              |
| 2      | Sh.Jaipal, Zoo Keeper                     | Zoo Keeper                 | 18/03/2019 to 22/03/2019 | M.C.Z.P, Chhatbir Zoo                               |

**10. Zoo Advisory Committee** – The Zoo advisory committee will be constituted soon after consultation with Chief Wildlife Warden, Punjab

**a. Date of constitution**

**b. Members**

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

**11. Health Advisory Committee**– The Zoo advisory committee will be constituted soon after consultation with Chief Wildlife Warden, Punjab

**a. Date of constitution**

**b. Members**

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

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

| Income    | Expenditure |
|-----------|-------------|
| 13,83,110 | 1,10,87,000 |

**13. Daily feed Schedule of animals**

| Sr. No. | Species   | Feed item  | Quantity  |   | Day of fasting |
|---------|---|--|---|---|----------------|
|         |   |  | Winter  | Summer  |                |
| 1       | Black Buck<br>Hog Deer<br>Barking Deer<br>Spot Deer | Black Gram, Cattel Feed, Green Fooder & Gur.             | Soaked Gram 150 gm for each animal and 100 gm Cattel feed for each animal in the morning, 15 K.g Green Fooder for each animal in evening. 100 gm Gur once a week for each animal. | Soaked Gram 150 gm for each animal and 100 gm Cattel feed for each animal in the morning, 15 K.g Green Fooder for each animal in evening. 100 gm Gur once a week for each animal. | Nil            |
| 2       | Samber, Nilgai                                      | Black Gram, Cattel Feed, Green Fooder & Gur Once a week. | Soaked Gram 200 gm for each animal and 150 gm. Cattel feed for each animal in the morning, 25 K.g Green Fooder for each animal in the evening & 100                               | Soaked Gram 200 gm for each animal and 150 gm. Cattel feed for each animal in the morning, 25 K.g Green Fooder for each animal in the evening & 100                               | Nil            |



|    |           |  |   |   |         |
|----|-----------|--|---|---|---------|
|    |           |  | gm. Gur once a week   | gm. Gur once a week   |         |
| 3  | Crocodile | Fish   | 2 K.g Fish daily  | 2 K.g Fish daily  | Nil     |
| 4  | Civet Cat | Meat, Banana   | 500 gm Meat and 1 Banana for each animal  | 500 gm Meat and 1 Banana for each animal  | Tuesday |
| 5  | Porcupine | Ground nuts, Apple, Potato, Onion, Palak, Cucumbe, Green peas.                     | 100 gm Ground nuts, 100 gm Apple, 100 gm Potato, 25 gm Onion, 200 gm Palak, 100 gm Cucumber, 50 gm Green Peas for each animal.        | 100 gm Ground nuts, 100 gm Apple, 100 gm Potato, 25 gm Onion, 200 gm Palak, 100 gm Cucumber, 50 gm Green Peas for each animal.        | Nil     |
| 6  | Monkey    | Black gram, Ground nuts, Green peas, Papaya, Musami, Onion, Palak, Cucumbe, Garlic | 50 gm Black gram, 50 gm Ground nuts, 50 gm Green peas, 20 gm Papaya, ½ Musami, 50 gm Onion, 50 gm Palak, 50 gm Cucumber, 10 gm Garlic | 50 gm Black gram, 50 gm Ground nuts, 50 gm Green peas, 20 gm Papaya, ½ Musami, 50 gm Onion, 50 gm Palak, 50 gm Cucumber, 10 gm Garlic | Nil     |
| 7  | Bird      | Parakeet   | Ground nuts 20 gm, Zeeri 10 gm Apple 10 gm, Green Chilly 10 gm, Cucumber 10 gm, Green Peas 10 gm for each Bird                        | Ground nuts 20 gm, Zeeri 10 gm Apple 10 gm, Green Chilly 10 gm, Cucumber 10 gm, Green Peas 10 gm for each Bird                        | Nil     |
| 8  | Bird      | Grey Partridge,  | Mixed crushed 100 gm, Palak 10 gm, Cucumber 10 gm for each bird   | Mixed crushed 100 gm, Palak 10 gm, Cucumber 10 gm   | Nil     |
| 9  | Bird      | Emu,   | Mixed crushed 300 gm, Onion 100 gm, Papaya 1 Kg, Palak 200 gm, Cucumber 50 gm, Garlic 40 gm and Banana 2 No. for each bird            | Mixed crushed 300 gm, Onion 100 gm, Papaya 1 Kg, Palak 200 gm, Cucumber 50 gm, Garlic 40 gm and Banana 2 No. for each bird            | Nil     |
| 10 | Bird      | Peacock  | Sabat Dana 100  | Sabat Dana 100  | Nil     |

|    |      |             |  |  |     |
|----|------|-------------|--|--|-----|
|    |      |             | gm, Papya 50 gm, Cucumber 10 gm, Garlic 50 gm for each bird                      | gm, Papya 50 gm, Cucumber 10 gm, Garlic 50 gm for each bird                      |     |
| 11 | Bird | Budgerige   | Kangni 10 gm, Bajra 10 gm, Papya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird   | Kangni 10 gm, Bajra 10 gm, Papya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird   | Nil |
| 12 | Bird | Fincher     | Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird  | Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird  | Nil |
| 13 | Bird | Munia       | Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird  | Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird  | Nil |
| 14 | Bird | Love Bird   | Kangni 10 gm, Bajra 10 gm, Papaya 20 gm, Palak 5 gm, Cucumber 2 gm for each bird | Kangni 10 gm, Bajra 10 gm, Papaya 20 gm, Palak 5 gm, Cucumber 2 gm for each bird | Nil |
| 15 | Bird | Silver Dove | Kangni 10 gm, Bajra 10 gm for each bird  | Kangni 10 gm, Bajra 10 gm for each bird  | Nil |
| 16 | Bird | Cockteal    | Kangni 10 gm, Bajra 10 gm, Papaya 10 gm, Palak 5 gm for each bird                | Kangni 10 gm, Bajra 10 gm, Papaya 10 gm, Palak 5 gm for each bird                | Nil |

#### 14. Vaccination Schedule of animals

| Sr.No. | Species | Disease vaccinated for | Name of the Vaccine and dosage/ quantity used | Periodicity | Remarks                                |
|--------|---------|------------------------|---|-------------|--|
|        | Nil     |                        |   |             | As Zoo does not have any big Carnivore |

### 15. De-worming Schedule of animals

| Sr.No. | Species  | Drug used                                    | Month              |
|--------|--|--|--------------------|
| 1      | Black Buck, Hog Deer Barking Deer<br>Spot Deer, Sambar, Nilgai, Civet<br>Cat, Porcupine and Monkey | Panacur 3 gm<br>and 150mg<br>Panacur tablets | 03/2018<br>11/2018 |

### 16. Disinfection Schedule

| Sr. No | Species  | Type of enclosure                     | Disinfectant used and method   | Frequency of disinfection   |
|--------|--|---------------------------------------|--|---|
| 1      | Black Buck,<br>Hog Deer,<br>Barking Deer<br>Spot Deer,<br>Sambar, Nilgai,<br>Civet Cat,<br>Porcupine and<br>Monkey | Animal enclosure<br>and Bird<br>Cages | Physical Removal of<br>Organic Matter,<br>Pressure Cleaning with<br>Plain Water, Cleaning<br>of Watering Bowls,<br>Removal of Excreta<br>from open Enclosure,<br>Cleaning of Foot Dips<br>and their Mats and<br>Disinfectant used in<br>Foot-Dip (Alternately)<br>A) 1% KMNO <sub>4</sub><br>Washing with Plain<br>water<br>Hot water Cleaning | Daily Protocol<br><br><br><br><br><br><br><br>Weekly Protocol<br><br>Fortnightly Protocol |

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

| Sr.No. | Name             | Designation | Date of Health Check up | Findings of Health Check up |
|--------|------------------|-------------|-------------------------|-----------------------------|
| 1      | Sukhwinder Singh | Beldar      | 02/11/2018              | Fit                         |
| 2      | Jaipal Singh     | Beldar      | 06/10/2018              | Fit                         |
| 3      | Bhajna           | Beldar      | 02/10/2018              | Fit                         |
| 4      | Ravinder Kumar   | Beldar      | 01/09/2018              | Fit                         |

### 18. Development Works carried out in the zoo during the year :-

1. Construction of Pheasantry.
2. Repair of animal sheds (4).
3. Construction of small birds enclosure.
4. Installation of visitor benches.

**19. Education and Awareness programmes during the year :-**

1. Educating the School Children and public about importance of Wild life during Celebration of Wild life week 2 October to 10 October/2018.
2. Educating and increasing the awareness about Wild life during Celebration of World Wild life Day on 03/03/2019
3. Educating the public against plastic pollution during Celebration of Environment Day on 05/06/2018

**20. Important Events and happenings :-**

1. Exhibition on Wildlife was arranged during Celebration of Wild life week from 2 October to 10 October/2018.
2. Painting completion was held during Celebration of Wild life week World Environmental Day and World Wild life Day.
3. Quiz completions were held during Celebration of Wild life week.

**21. Seasonal special arrangements for upkeep of animals :-** A) Seasonal fruits/fodder were provided for feeding the different birds and herbivores. B) A water sprinkling/showers were provided in various enclosures during summer season. C) Agronets/Jute mats were provided in different enclosure for providing shades during summer season. D) Mud wallows are provided in samber in enclosure. E) The planting of trees, shrubs species was done inside the birds and deer enclosures. F) Hay and dry grasses are provided in the sheds as enrichment during the winter. G) Visibility of animals are improved by painting fencing with black colour.

**22. Research Work carried out and publications :-** Nil

**23. Conservation Breeding Programme of the Zoo :-** Nil

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

|    |                             |
|----|-----------------------------|
| A. | Animals arriving in the Zoo |
|    | NIL                         |
| B. | Animals going from the zoo  |
|    | NIL                         |

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

| Sr.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 |
|        | Nil            |  |               |  |   |  |

## 26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year : 2018-2019

### Inventory of Wild Animals/Birds between 01/04/2018 to 31/03/2019 Patiala Zoo, Patiala Wild Life Division

#### Endangered Species

| Sr. No.                          | Animal Name | Scientific Name     | Opening Stockas on 01/04/2018 |           |          |           | Births   |          |          | Acquisitions |          |          | Disposals by death |          |          | Disposal by transfer |          |          | Closing Stock as on 31/03/2019 |           |          |           |
|----------------------------------|-------------|---------------------|-------------------------------|-----------|----------|-----------|----------|----------|----------|--------------|----------|----------|--------------------|----------|----------|----------------------|----------|----------|--------------------------------|-----------|----------|-----------|
|                                  |             |                     | M                             | F         | U        | T         | M        | F        | U        | M            | F        | U        | M                  | F        | U        | M                    | F        | U        | M                              | F         | U        | T         |
| <b>Mammal</b>                    |             |                     |                               |           |          |           |          |          |          |              |          |          |                    |          |          |                      |          |          |                                |           |          |           |
| 1                                | Black Buck  | Antilope cervicapra | 41                            | 47        | 7        | 95        | 0        | 0        | 0        | 0            | 0        | 0        | 1                  | 1        | 0        | 0                    | 0        | 0        | 40                             | 46        | 7        | <b>93</b> |
| 1                                | White Buck  |                     | 0                             | 0         | 0        | 0         | 0        | 0        | 1        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 0                              | 0         | 1        | <b>1</b>  |
|                                  |             |                     |                               |           |          |           |          |          |          |              |          |          |                    |          |          |                      |          |          |                                |           |          |           |
| <b>Reptile/ Amphibians</b>       |             |                     |                               |           |          |           |          |          |          |              |          |          |                    |          |          |                      |          |          |                                |           |          |           |
| 1                                | Crocodile   | Crocodylus          | 1                             | 0         | 0        | 1         | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 1                              | 0         | 0        | <b>1</b>  |
| <b>Total Reptile/ Amphibians</b> |             |                     | <b>42</b>                     | <b>47</b> | <b>7</b> | <b>96</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b>     | <b>0</b> | <b>0</b> | <b>1</b>           | <b>1</b> | <b>0</b> | <b>0</b>             | <b>0</b> | <b>0</b> | <b>41</b>                      | <b>46</b> | <b>8</b> | <b>95</b> |

#### Schedule-1 Animals

**Inventory of Wild Animals/Birds between 01/04/2018 to 31/03/2019**  
**Patiala Zoo, Patiala Wild Life Division**

**Other than Endangered Species**

| Sr. No. | Animal Name      | Scientific Name         | Opening Stockas on 01/04/2018 |           |           |            | Births   |          |          | Acquisitions |          |          | Disposals by death |          |          | Disposal by transfer |          |          | Closing Stock as on 31/03/2019 |           |           |            |
|---------|------------------|-------------------------|-------------------------------|-----------|-----------|------------|----------|----------|----------|--------------|----------|----------|--------------------|----------|----------|----------------------|----------|----------|--------------------------------|-----------|-----------|------------|
|         |                  |                         | M                             | F         | U         | T          | M        | F        | U        | M            | F        | U        | M                  | F        | U        | M                    | F        | U        | M                              | F         | U         | T          |
| 1       | Hog Deer         | Axis porcinus           | 5                             | 5         | 15        | 25         | 0        | 0        | 2        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 5                              | 5         | 17        | 27         |
| 2       | Barking Deer     | Muntaicus muntjak       | 1                             | 1         | 0         | 2          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 1                              | 1         | 0         | 2          |
| 3       | Civet Cat        | Viverridae              | 1                             | 0         | 0         | 1          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 1                              | 0         | 0         | 1          |
| 4       | Porcupine        | Hystriidae              | 1                             | 1         | 1         | 3          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 1        | 0                    | 0        | 0        | 1                              | 1         | 0         | 2          |
| 5       | Assamese Macaque | Macaca assamensis       | 3                             | 2         | 0         | 5          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 3                              | 2         | 0         | 5          |
| 6       | Sambar           | Cervus unicolor         | 3                             | 4         | 8         | 15         | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 3                              | 4         | 8         | 15         |
| 7       | Spotted Deer     | Axis axis               | 10                            | 17        | 40        | 67         | 0        | 0        | 3        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 10                             | 17        | 43        | 70         |
| 8       | Nilgai           | Boselaphus tragocamelus | 1                             | 4         | 3         | 8          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 1                              | 4         | 3         | 8          |
| 9       | Rhesus Macaque   | Macaca mulatta          | 2                             | 1         | 0         | 3          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 2                              | 1         | 0         | 3          |
|         | <b>Total</b>     |                         | <b>27</b>                     | <b>35</b> | <b>67</b> | <b>129</b> | <b>0</b> | <b>0</b> | <b>5</b> | <b>0</b>     | <b>0</b> | <b>0</b> | <b>0</b>           | <b>0</b> | <b>1</b> | <b>0</b>             | <b>0</b> | <b>0</b> | <b>27</b>                      | <b>35</b> | <b>71</b> | <b>133</b> |

**Inventory of Wild Animals/Birds between 01/04/2018 to 31/03/2019**  
**Patiala Zoo, Patiala Wild Life Division**

| Sr. No.     | Animal/Bird Name | Scientific Name | Opening Stockas on 01/04/2018 |   |   |   | Births |   |   | Acquisitions |   |   | Disposals by death |   |   | Disposal by transfer |   |   | Closing Stock as on 31/03/2019 |   |   |   |
|-------------|------------------|-----------------|-------------------------------|---|---|---|--------|---|---|--------------|---|---|--------------------|---|---|----------------------|---|---|--------------------------------|---|---|---|
| Bird        |                  |                 | M                             | F | U | T | M      | F | U | M            | F | U | M                  | F | U | M                    | F | U | M                              | F | U | T |
| 1           | Peafowl          | Pavo cristatus  | 1                             | 1 | 3 | 5 | 0      | 0 | 0 | 0            | 0 | 0 | 0                  | 0 | 0 | 0                    | 0 | 0 | 1                              | 1 | 3 | 5 |
| Total Birds |                  |                 | 1                             | 1 | 3 | 5 | 0      | 0 | 0 | 0            | 0 | 0 | 0                  | 0 | 0 | 0                    | 0 | 0 | 1                              | 1 | 3 | 5 |

**Schedule-I Birds**



**Inventory of Wild Animals/Birds between 01/04/2018 to 31/03/2019**  
**Patiala Zoo, Patiala Wild Life Division**

**Other than Endangered Species**

| Sr. No. | Bird Name            | Scientific Name              | Opening Stockas on 01/04/2018 |           |           |            | Births   |          |          | Acquisitions |          |          | Disposals by death |          |          | Disposal by transfer |          |          | Closing Stock as on 31/03/2019 |           |           |            |
|---------|----------------------|------------------------------|-------------------------------|-----------|-----------|------------|----------|----------|----------|--------------|----------|----------|--------------------|----------|----------|----------------------|----------|----------|--------------------------------|-----------|-----------|------------|
|         |                      |                              | M                             | F         | U         | T          | M        | F        | U        | M            | F        | U        | M                  | F        | U        | M                    | F        | U        | M                              | F         | U         | T          |
| 1       | Emu                  | Dromains Navachollundiae     | 1                             | 1         | 0         | 2          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 1                              | 1         | 0         | 2          |
| 2       | Red headed parakeet  | Psittacidae                  | 1                             | 1         | 0         | 2          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 1        | 0        | 0                    | 0        | 0        | 1                              | 0         | 0         | 1          |
| 3       | Alexander parakeet   | Psihacula Eupatria           | 3                             | 4         | 9         | 16         | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 3                              | 4         | 9         | 16         |
| 4       | Rose Ringed parakeet | Psittacidae                  | 7                             | 7         | 0         | 14         | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 7                              | 7         | 0         | 14         |
| 5       | Grey headed parakeet | Psittacidae                  | 0                             | 1         | 0         | 1          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 0                              | 1         | 0         | 1          |
| 6       | Budgriger            |                              | 23                            | 25        | 37        | 85         | 0        | 0        | 2        | 0            | 0        | 0        | 0                  | 1        | 0        | 0                    | 0        | 0        | 23                             | 24        | 39        | 86         |
| 7       | Cockteal             | Nymphicus hollandicus (Kerr) | 3                             | 4         | 7         | 14         | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 3                              | 4         | 7         | 14         |
| 8       | Munia                | Estrildinae                  | 1                             | 1         | 0         | 2          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 1        | 0        | 0                    | 0        | 0        | 1                              | 0         | 0         | 1          |
| 9       | Finches              | Fringillidae                 | 6                             | 6         | 0         | 12         | 0        | 0        | 0        | 0            | 0        | 0        | 2                  | 2        | 0        | 0                    | 0        | 0        | 4                              | 4         | 0         | 8          |
| 10      | Love Bird            | Agapornis cana (Gmelin)      | 1                             | 2         | 0         | 3          | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 0        | 0                    | 0        | 0        | 1                              | 2         | 0         | 3          |
| 11      | Grey Partridge       | Francolinus Pondicerianus    | 1                             | 1         | 10        | 12         | 0        | 0        | 0        | 0            | 0        | 0        | 0                  | 0        | 1        | 0                    | 0        | 0        | 1                              | 1         | 9         | 11         |
|         | <b>Total</b>         |                              | <b>47</b>                     | <b>53</b> | <b>63</b> | <b>163</b> | <b>0</b> | <b>0</b> | <b>2</b> | <b>0</b>     | <b>0</b> | <b>0</b> | <b>2</b>           | <b>5</b> | <b>1</b> | <b>0</b>             | <b>0</b> | <b>0</b> | <b>45</b>                      | <b>48</b> | <b>64</b> | <b>157</b> |

## 27. Mortality of animals

| Sr.No. | Animal Name<br>(with individual<br>identification<br>mark, if any) | Sex     | Date of Death | Reason of Death<br>as per the Post-<br>mortem report |
|--------|--|---------|---------------|--|
| 1      | Black Buck   | M       | 13/05/2018    | Gastro entrits                                       |
| 2      | Grey Partridge   | M       | 30/06/2018    | Gastro entrits                                       |
| 3      | Finches  | M and F | 19/09/2018    | Gastro entrits                                       |
| 4      | Budgerigar   | F       | 22/09/2018    | Penumonia  |
| 5      | Red Headed<br>Parkeet  | M       | 14/10/2018    | Penumonia  |
| 6      | Porcupine  | M       | 15/02/2019    | Cold Climate   |
| 7      | Black Buck   | M       | 15/03/2019    | Gastro entrits                                       |

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

| Sr. No                                 | Norm No.<br>under RZR,<br>2009 | Condition Stipulated  | Time Period<br>to Comply         | Since when pending | Remarks  |
|--|--------------------------------|---|----------------------------------|--------------------|--|
|  |                                |   |                                  |                    | Status with regard to compliance of the<br>conditions as submitted by the Officer-in-<br>charge of the Zoo   |
| 1. General requirements                |                                |   |                                  |                    |  |
| 1.                                     | 10.1(7)                        | The Zoo shall initiate efforts towards proper arrangements for managing liquid waste and storm water as per approved Master (Layout) Plan and complete it   | One year                         | 15.10.2017         | The proper Sewage disposal unit has been constructed in new enclosure (small birds enclosures, two Pheasantry and new Public toilet and water birds enclosures. The solid feed waste is removed manually and dumped in pits towards boundary wall away from display area.  |
| 2. Administrative and Staffing Pattern |                                |   |                                  |                    |  |
| 2                                      | 10.2(1)                        | The Veterinary Pharmacist appointed as in-Charge of the Zoo should be delegated adequate financial and administrative powers for taking immediate decisions concerning health and welfare of the captive wild animals | Immediately                      | 15.10.2017         | The Veterinary Pharmacist appointed as Incharge of the Zoo works under Range Officer Patiala who has administrative and financial power for taking immediate decisions concerning health and welfare of the captive wild animals.  |
| 3                                      | 10.2(2)                        | The zoo shall deploy veterinary officer, biologists & education officer at zoo as housing endangered species animals.   | One year or as early as possible | 15.10.2017         | Dr. M.P Singh Senior Veterinary officer, MCZP Chhatbir is working as consultant /visiting vet for Patiala Zoo. The local vet of Civil Veterinary Hospital and the specialist(s) of Veterinary Polyclinic, Patiala are regularly providing technical/specialized services to Patiala Zoo. The services of the Biologist and Education Officer of MCZP, Chhatbir are being taken for Patiala Zoo as and when needed. |

|  |             |  |                        |            |  |
|--|-------------|--|------------------------|------------|--|
| 4.   | 10.3(1)     | The zoo should prepare Master Plan for its development and got it approved by the Central Zoo Authority.   | Immediately            | 15.10.2017 | The Master Lay Out Plan of the Zoo has been approved by the CZA. The Master Plan of Zoo is being prepared according to Master Lay Out Plan and will be sent to CZA for approval shortly.   |
| 4. Animal housing, display of animal and animal enclosures |             |  |                        |            |  |
| 5  | 10.4(1,2&5) | The zoo should demolish the old enclosures housing birds and civet etc. Which are quite small in size with lesser height. The zoo should construct new enclosure as per the approved master (layout) plan following prescribed minimum size dimensions of the Central Zoo Authority for each species. The animal enclosure in the Deer Park shall be designed as to fully ensure the safety of animals, caretakers and visitors. | One year or phase wise | 15.10.2017 | The old enclosures of small birds and pheasants have been demolished and new enclosures for small birds, two new pheasantry have been constructed as per dimension of CZA.<br>The new enclosure for water birds is being constructed during this Financial year and will be completed in March 2021. |
| 6  | 10.4(7)     | The proper screening space and appropriate screening should be provided in each adjacent enclosure while re-developing enclosures as per approved Master (Layout) Plan. At present the enclosure are separated only by chain-link fence in-between.  | One year               | 15.10.2017 | The proper screening between adjacent enclosures has been done. The new small bird enclosures and two new pheasantry have been developed with proper screening. The New enclosure of water birds is being constructed with proper screening.   |

|                                     |          |   |             |            |  |
|-------------------------------------|----------|---|-------------|------------|--|
| 7                                   | 10.4(10) | The Signages needs improvement in terms of displaying adequate detailed scientific information (Bilingual) about species on proper display board. It should be placed appropriate with access to visitors.                          | Three Month | 15.10.2017 | The improved signages have been provided at the enclosures.  |
| 5. Upkeep and healthcare of animals |          |   |             |            |  |
| 8                                   | 10.5(4)  | The provision of feeding cells and kraal as per the dimensions, designs and the standards specified by the CZA should be made available.  | Three month | 15.10.2017 | The provision of feeding cells and kraal as per dimensions, designs and the standards specified by the CZA has been provided in new enclosures of small birds, pheasants , water birds and old herbivore enclosures. |
| 9                                   | 10.5(8)  | A schedule should be prepared for periodical health monitoring of animals and should be strictly followed. The schedule of vaccination and de-worming of different species of the zoo animals should be displayed at the enclosure. | Immediately | 15.10.2017 | A schedule for periodical health monitoring of animals is being strictly followed. The schedule of de- worming of different species of the Zoo animal is being displayed at the enclosures.                          |
| 10                                  | 10.5(9)  | All the staff handling animals shall be screened against zoonotic diseases at least once in a year and records should be maintained.  | Immediately | 15.10.2017 | The staff handling animals had been screened against diseases and records have been maintained.  |
| 11                                  | 10.5(10) | The zoo should prepare and maintain keeper's diary. Daily reports, animal history cards and treatment cards, as per standards specified by the Central Zoo Authority  | Immediately | 15.10.2017 | The keeper's diary, daily register and treatment register are being prepared and maintained.   |

|  |         |  |                  |            |   |
|--|---------|--|------------------|------------|---|
| 6. Veterinary and infrastructure Facilities        |         |  |                  |            |   |
| 12   | 10.6(1) | The Zoo should construct fully fledged veterinary unit including treatment room, operation theatre and in patient wards as per the approved Master(Layout) Plan with all basic diagnostic facilities, pharmacy diagnostic and comprehensive range of drugs. Isolation ward and quarantine facilities located away from the hospital should also be developed | One year         | 15.10.2017 | The veterinary hospital as per Master Lay Out Plan will be constructed in next Financial Year.<br>The local vet of Civil Veterinary Hospital and the specialist(s) of Veterinary Polyclinic, Patiala are regularly providing technical/specialized services to Patiala Zoo.   |
| 13   | 10.6(5) | A veterinary support staff shall deployed in the zoo.  | At the earliest. | 15.10.2017 | Dr. M.P Singh Senior Veterinary officer, MCZP Chhatbir is working as consultant/ visiting vet for Patiala Zoo.<br>Also the routine veterinary care and the specialized technical support are being rendered by the The local vet of Civil Veterinary Hospital and the specialist(s) of Veterinary Polyclinic, Patiala |
| 7 Post-mortem and disposal of carcasses of animals |         |  |                  |            |   |
| 14   | 10.7    | The zoo should construct a post-mortem room as per the approved master (layout)plan  | Six month        | 15.10.2017 | The post mortem room will be constructed during current financial year.   |
| 8. Acquisition and breeding of animals             |         |  |                  |            |   |
| 15   | 10.9(4) | The civet & Crocodile housed single sexed should be provided mate or be shifted to nearby recognised zoo having appropriate housing facility   | Three Month      | 15.10.2017 | The process of pairing the animals (civet & Crocodile is under way.   |

|   |          |  |             |            |  |
|---|----------|--|-------------|------------|--|
| 16  | 10.9(9)  | The zoo shall strictly follow the measures of population control in prolific breeding species i.e. deer and antelope and bring down the population to a minimum as prescribed by the Central Zoo Authority | Immediately | 15.10.2017 | Separation of sexes has been done to prevent uncontrolled growth of black buck.  |
| 17  | 10.9(10) | The zoo shall practice mock drills towards disaster management plan for managing any such incidence in future  | Immediately | 15.10.2017 | The disaster management plan has been included in the Master Plan of the Patiala Zoo. Mock drills with respect to floods had been done as area is prone to floods.   |
| <b>9 Research Activities</b>                |          |  |             |            |  |
| 18  | 10.10(1) | The zoo should also initiate research activities by involving nearby university or related institution.  | One year    | 15.10.2017 | The students of Punjabi University Patiala and different colleges of Patiala visited Patiala Zoo for research activities.  |
| <b>10 Education and Outreach Activities</b> |          |  |             |            |  |
| 19  | 10.11(1) | The zoo should carryout various educational activities for the awareness of the public   | Immediately | 15.10.2017 | Various activities like awareness camps, quizzes , Painting and free entry during wildlife week etc are being carried out in interpretation center of the Zoo for awareness of the Public and School/College students. |
| <b>11 Visitor Facilities</b>                |          |  |             |            |  |
| 20  | 10.12(2) | The snake anti-venom and lifesaving drugs should be procured and maintained by the zoo for safety of its employees and visitors  | Immediately | 15.10.2017 | The snake anti-venom and life saving drugs have been kept in the Zoo for its employees and visitor.  |
| 21  | 10.12(3) | The provision of ramps should be made available for the physically challenged persons for viewing wild animals in all enclosures and urinal etc.   | One year    | 15.10.2017 | The ramps for physically challenged person have been made.   |

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

- a. Mammals: - Monkeys, Porcupine, Hare and Mongoose etc.
- b. Birds:- Peacock, Parakeets, Shikra and Owls etc.
- c. Reptiles:- Monitor Lizard, Rat Snake and Cobra etc.

---- Sd/----  
Divisional Forest Officer  
Wildlife Division,  
Patiala.