

GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE DIRECTOR
BIOLOGICAL PARK, ITANAGAR (A.P)

NO.DBP/ 84 / 2019 /874

Dated Itanagar, the 14th Dec 2020

To,

The Member Secretary,
Central Zoo Authority,
B 1 Wing, 6th Floor,
Pandit Dindayal Antyodaya Bhawan,
CGO Complex, Lodhi Road, New Delhi-110003.

Sub:- **Submission of Annual Report for the year 2019-20 of Biological Park, Itanagar.**

Sir/Madam,

I am submitting herewith the annual Report for the year 2019-20 of Biological Park, Itanagar, Arunachal Pradesh as per new format for your needful please.

Yours faithfully,

Sd/-
(JORAM DOPUM)
DIRECTOR
BIOLOGICAL PARK, ITANAGAR

Copy to :-

The Principal Chief Conservator of Forests (Wildlife & Biodiversity), Government of Arunachal Pradesh, Itanagar for information please.

(JORAM DOPUM)
DIRECTOR
BIOLOGICAL PARK, ITANAGAR

BIOLOGICAL PARK ITANAGAR

ANNUAL REPORT FOR THE YEAR 2019 – 20

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1. Report of the Officer-in-Charge

Biological Park is one of the few centres of attraction in the Capital of Arunachal Pradesh Itanagar. Most of the people in the Capital love to visit our Zoo very often. It has its own beauty, cleanliness and pristine environment. We have completed another outstanding year of Bio-diversity Conservation and zoo Management. The Zoo is recognized under Small zoo Category by the Central Zoo Authority, New Delhi. It has an area of 250 Ha in the vicinity of the capital.

During the year 2019 – 20, Education Awareness Programme including Celebration of Wildlife Week were Organized. Many enclosures and visitor amenities were renovated and supplemented with enclosure enrichment/signages wherever necessary. Creation of Veterinary Hospital, Construction of Feed Store completed. This year two nos of vehicles i.e. Bolero and TATA Ace are purchased. New enclosures of Tiger, Serow Tortoise and Python are constructed, installation of CC TV camera at different locations, creation of children park, providing drinking water facility and Construction of Suspension Bridge for canopy walk at Children park are worth mentioning.

There is a substantial improvement in the field of animal healthcare and overall Zoo Management because of sincere efforts by Dr. Sorang Tadap, Veterinary Officer, Shri Raya Flago, Curator and their respective team members. I would like to extend thanks to all my staff for their dedication and hard work.

The senior officers of Department of Env. & Forests, Government of Arunachal Pradesh, Central Zoo Authority, New Delhi, local committee members, stake holders etc deserve appreciations for their Support and Cooperation in successfully Managing Itanagar Zoo in a best possible way.

Shri. Joram Dopum,
Director
Biological Park, Itanagar.

2. History of the Zoo

A Small rescue centre was established in Naharlagun during 1978 to deal with the problem of displaced and injured animals. This small rescue facility gradually became the epicenter for displaced and orphaned animals coming from all parts of the State. Having realized the importance of a permanent holding facility particularly those animals unfit to release in the wild due to one or other reason, the department decided to upgrade the rescue centre to a full-fledged Zoological Park in 1987, with the broader objective of education recreation, conservation breeding programme and rescue and rehabilitation of wild animal. Now, Itanagar Zoo has an approved master plan by CZA and with the approval of Master Plan the name of Itanagar Zoo was also been changed to Biological Park, Itanagar considering the richness of floral species in the park area.

The Biological Park, Itanagar has very good ecological parameters including topography, forest coverage, acoustic, natural perennial streams and pollution free atmosphere which are suitable for different species of animals and birds. It is 3 Km away from Itanagar, the capital city of Arunachal Pradesh.

The unique configuration represented with the characters of rain fed areas of foot hills of Arunachal Pradesh. The Eastern boundary of the Zoo is Chimpu river adjoining to Dokoso river on the Southern side of Park. The Northern boundary passes through hill ridge and Western boundary passed through a stream joining Dokoso river and located within Itanagar Wildlife Sanctuary. The area has been curbed out from the Sanctuary and handed over the Zoo authority. The entire area is hilly broken and undulating crisscrossed with perennial streams. The beauty of the park is due to its tropical evergreen forest, hillock and natural streams.

3. Vision

The Zoo was basically started for rescue and recreation, however with the advancement of time, the need to protect and conserve global biodiversity and wildlife was realized, therefore it was shifted to present located with the following vision:

- I. A scientific institution engaged in Animal Welfare, Research, Conservation, Education and Sustainability.
- II. Best business practice, being efficient, focused on productive motive with close attention paid to planning, ecologically sound design and pollution free environment.
- III. Outstanding “Value for Money” for all who visit the Zoo. Providing fund, entertainment and learning.

4. Mission

1. To act as Rescue Centre by receiving and keeping orphaned, seized, rescued and injured wild animals.
2. Develop amongst the visitors and outstanding about the ecological linkages with the life supporting processes of nature and the need for keeping them intake by adopting sustainable life styles and living in harmony with nature.
3. Develop amongst visitor’s sympathy for wildlife and motivate them to support to cause of conservation of wildlife.

4. Compliment the national effort in conservation of wildlife through planned coordinated conservation breeding of endangered wild animal species of the region.
5. Enhancing the role of the Zoo in conservation of wildlife through collaborated research aiming at attaining management skilled for in-situ population and carrying out advocacy for protecting the wild animals and their natural habitat.

5. Objective

The Biological Park, Itanagar was established with the following objectives:-

1. Ex-situ conservation breeding of critically endangered wild animals of the State.
2. Scientific research on wild fauna and flora.
3. Rescue and rehabilitation of wild animals in distress.
4. Educating people about wild animals and the need for their conservation.
5. Providing recreation for Zoo visitors.

6. About us

| S.No. | Particulars | Information |
|--|--|--|
| Basic information about the Zoo | | |
| 1 | Name of the Zoo | Biological Park, Itanagar |
| 2 | Year of Establishment | 1987 |
| 3 | Address of the Zoo | Director, Biological Park, Itanagar P.O-R. K. Mission, Itanagar, Dist – Papum Pare, Arunachal Pradesh, PIN – 791123 |
| 4 | State | Arunachal Pradesh |
| 5 | Telephone number | Director – 9436040147 Curator – 9436630791 Vety. Officer - 9436272895 |
| 6 | Fax number | Nil |
| 7 | E-mail address | zoodirector2019@rediffmail.com rayaflago@gmail.com sorangtadap@gmail.com |
| 8 | Website | www.arunachalforests.gov.in |
| 9 | Distance from nearest | Airport: Lilabari Airport (69.8 KM) Railway Station : Naharlagun (12.8 Km) Bus Stand : Ganga Main Market (3 Km) |
| 10 | Recognition Valid upto date | 19 th August 2022 |
| 11 | Category of Zoo | Small Zoo |
| 12 | Area (In Hectare) | 250 Hectares. |
| 13 | Number of Visitors | Indian : 76,520 Foreigners : 21 Total Visitors : 76,541 |
| 14 | Visitor's Facilities available in Zoo | Proper toilets, resting shed at different locations, Decorative benches, Chairs, desk etc. |
| 15 | Weekly close Day of the Zoo | Every Tuesday |
| Management Personnel of the Zoo | | |
| 16 | Name with Designation of the Officer-in-Charge | Shri. Joram Dopum, Director, Biological Park, Itanagar |
| | Name of the Vety. Officer | Dr. Sorang Tadap, Veterinary Officer |
| | Name of the Curator | Shri Raya Flago, Curator |
| | Name of the Biologist | Shri Khandu Tana, Biologist |
| | Name of the Education Officer | Shri Raya Flago, Curator cum Education Officer. |
| | Name of the Compounder/Lab Assistant | Shri. S. K. Saikia |

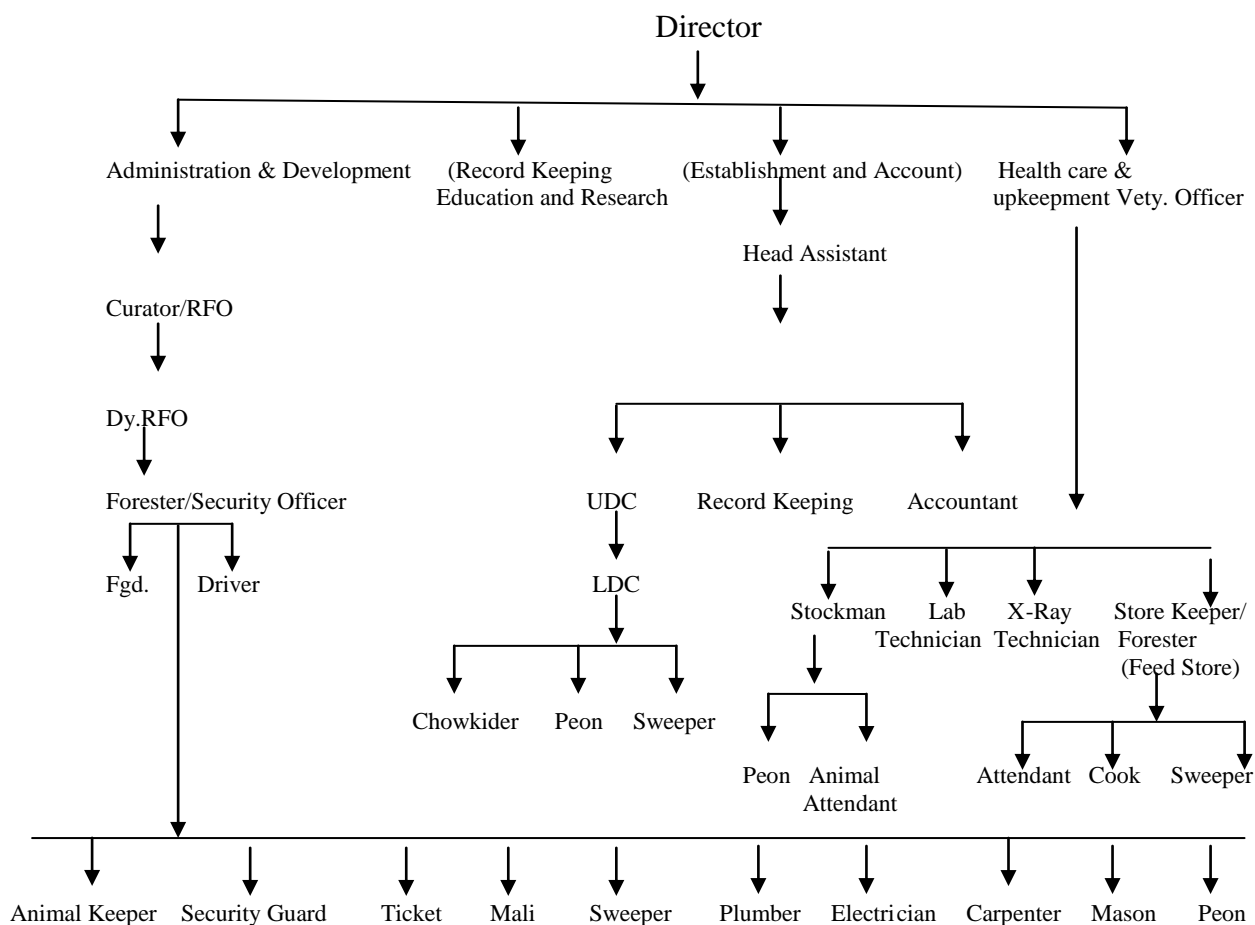
| Owner /operator of the Zoo | | |
|----------------------------|--|--|
| 17 | Name of the Operator | PCCF & Principal Secretary, Deptt. of Env. & Forests, Govt. of Arunachal Pradesh |
| 18 | Address of the Operator | O/o the PCCF, 0-Point, Itanagar Dist-Papum Pare, A.P, PIN – 791111 |
| 19 | Contact details/Phone number of Operator | 0360 – 2212310 / 2291193 (Fax) 9436249212 (Mob) |
| 20 | E-mail address of the Operator | pccfnsecy-arn@nic.in |

*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 case of a company, any director, manager, secretary or other officer, who is in-charge of an responsible to the company of 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*

| S. No. | Designation | Number of sanctioned post | Name of the incumbent |
|--------|-------------------|---------------------------|--|
| 01. | D.C.F. | 01 | Shri. Joram Dopum |
| 02. | V.O. | 01 | Dr. Sorang Tadap |
| 03. | F. R. | 01 | Shri Raya Flago |
| 04. | Dy. F. R. | 01 | Shri P. Chandup |
| 05. | U.D.C. | 01 | Shri Hibu Taara |
| 06. | L.D.C. | 02 | 1. Shri Mathew Abraham 2. Shri. Sartam Taka |
| 07. | Artist | 01 | Shri A. Dasgupta |
| 08. | Stock Man | 01 | Shri S. K. Saikia |
| 09. | Forester | 04 | 1. Shri Tadar Bandey 2. Shri Nabam Tacho 3. Shri S. C. Paul 4. Shri Rajen Baruah |
| 10. | Driver | 01 | Shri Mapo Don |
| 11. | Handyman | 01 | Shri Suresh Boraik |
| 12. | Forestguard | 04 | 1. Shri Kabak Tapak 2. Shri Teli Kulo 3. Smti. Pema Ladon 4. Smti Tana Junaki |
| 13. | Forest Watcher | 02 | 1. Shri. Tech Nitar 2. Shri L. Jamik |
| 14. | O. Peon | 01 | Smti Tadar Yamin |
| 15. | Medical Attendant | 01 | Smti Chukhu Asinta |
| 16. | Game Watcher | 01 | Smti Taw Yezi (Taba) |
| 17. | Animal Attendants | 08 | 1. Sri Rameswar Pkukan 2. Md Abdul Munaf 3. Shri Tashi Boje 4. Shri Bei Bame 5. Shri Phassang Semi 6. Shri Dungda Taniang 7. Shri Tajar Hanning 8. Shri Yomdo Lalik |
| | TOTAL | 32 | |

*please give above mentioned information in respect of all zoo personnel, from the Officer-in-charge upto the Animal Keeper.

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. Sorang Tadap, V.O | International seminar and 4 th Asia Working Group meeting on Elephant endotheliotropic herpes virus | 28 to 30 th Nov 2019 | College of Veterinary Science, Khanapara, Guwahati, Assam |

10. Zoo Advisory Committee-

- a. Date of constitution :- 11. 05. 2011
b. Members

| | | |
|-----|--|------------------|
| 01. | PCCF & Prl Secretary (E & F) & HOFF, Govt. of Arunachal Pradesh. | Chairman |
| 02. | P.C.C.F. (WL & BD), Govt. of Arunachal Pradesh. | Vice Chairman |
| 03. | The Commissioner, Finance A.P. or Representative. | Member |
| 04. | Secretary, Urban Development, Govt. of A.P. or representative. | Member |
| 05. | The Secretary, Tourism or representative. Govt. of A.P. | Member |
| 06. | The Secretary, Veterinary & Animal Husbandry, Govt. of AP. | Member |
| 07. | The Addl. P.C.C.F. (P & D). | Member |
| 08. | HoD, NERIST (Forestry). | Member |
| 09. | The Director, Itanagar, Zoo. | Member Secretary |

- c. Date on which meeting held during the year :- No meeting was held during the reporting period.

11. Health Advisory Committee-

- a. Date of constitution – Yet to constitute.
b. Members – 1. State Veterinary Department, Govt. of Arunachal Pradesh.
2. College of Veterinary Science, Khanapara, Gauhati, Assam.
c. Dates on which Meetings held during the year –

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

- a. Revenue from entry ticket 2019-20 = 24.288 Lakhs
b. CZA Grants = 0.000 Lakhs
c. State Plan = 215.000 Lakhs
d. Non Plan = 80.000 Lakhs

B. Expenditure

- a. CZA Grants = 135.000 Lakhs
b. State Plan = 215.000 Lakhs
c. Non Plan = 80.000 Lakhs

13. Daily Feed schedule of animals

| Sl.No. | Species | Feed Items | Quantity | | Day of fasting |
|--------|------------------------|-------------------|----------|--------|----------------|
| | | | Winter | Summer | |
| 1 | Barking Deer and Goral | Concentrated feed | 0.5 kg | 0.5 kg | Once daily |
| | | Sweet potato | 0.2 kg | 0.2 kg | |
| | | Chana | 0.2 kg | 0.2 kg | |
| | | Banana | 4 nos | 4 nos | |
| | | Green Fodder | Ad lib | Ad lib | |

| | | | | | |
|---|------------------------------|---|----------|----------|---|
| 2 | Sambar | Concentrated feed | 2 kg | 2 kg | Once daily |
| | | Sweet potato | 0.3 kg | 0.3 kg | |
| | | Chana | 0.3 kg | 0.3 kg | |
| | | Banana | 6 nos. | 6 nos. | |
| | | Green Fodder | Ad lib | Ad lib | |
| 3 | Himalayan Black Bear | Banana | 12 nos. | 12 nos. | Salt @ 15 kg per month for washing, leaning & sanitation |
| | | Cucumber | 0.5 kg. | 0.5 kg. | |
| | | Seasonal fruits like Mango, Pears, Pine apple | 0.250 kg | 0.250 kg | |
| | | Atta (for Bread) | 0.7 kg | 0.7 kg | |
| | | Rice (cooked) | 0.4 kg | 0.4 kg | |
| | | Sweet potato (boiled) | 0.4 kg | 0.4 kg | |
| | | Pumpkin (boiled) | 0.5 kg | 0.5 kg | |
| | | Carrot, tomato, green pea | 0.250 kg | 0.250 kg | |
| | | Green Maize | 2 nos | 2 nos | |
| 4 | Monkey | Banana | 4 nos | 4 nos | For twice daily Salt-15 kg per month for the purpose of sanitation, washing, cleaning etc. |
| | | Cucumber | 0.4 kg | 0.4 kg | |
| | | Seasonal fruits like Mango, Pears, Guava, Pine apple, Bogori etc. | 0.2 kg | 0.2 kg | |
| | | Rice (cooked) | 0.2 kg | 0.2 kg | |
| | | Atta | 0.2 kg | 0.2 kg | |
| | | Pumpkin(boiled) | 0.4 kg | 0.4 kg | |
| | | Chana | 0.2 kg | 0.2 kg | |
| | | Green Maize | 1 no. | 1 no. | |
| | | Sweet potato (boiled) | 0.2 kg | 0.2 kg | |
| | | Green Maize | 0.4 kg | 0.4 kg | |
| | | Cabbage | 0.1 kg | 0.1 kg | |
| 5 | Civet | Minced meat (Mutton or chicken) | 0.1 kg | 0.1 kg | For twice feeding daily |
| | | Banana | 2 nos | 2 nos | |
| | | Sweet Potato | 0.2 kg | 0.2 kg | |
| | | Mango, Pears, Pumpkin & other available seasonal fruits | 0.2 kg | 0.2 kg | |
| 6 | Jackal | Beef & minced chicken in every fortnight | 0.3 kg | 0.3 kg | |
| 7 | Jungle Cat, Leopard Cat etc. | Mutton | 0.2 kg | 0.2 kg | Twice per month |
| | | Minced chicken in every fortnight | 0.2 kg | 0.2 kg | |
| 8 | Eagles, Wood Owl | Minced meat (mutton or chicken) | 0.250 kg | 0.250 kg | |

| | | | | | | | | |
|----|--------------------------|---|--------------------------|---|--|------|------|---------------------------|
| 9 | Fishing Owl | Live fish (Magur) | 0.250 kg | 0.250 kg | | | | |
| 10 | Python | Live chicken | 2 nos each weighing 2 kg | 2 nos each weighing 2 kg | Twice per month | | | |
| 11 | Bengal Tiger (Adult) | Beef | 10 kg | 10 kg | Once daily and one day fasting in a Week | | | |
| | | Live chicken (dressed) every fortnight | 15 kg | 15 kg | | | | |
| | | Salt | 20 kg | 20 kg | For sanitation & washing, cleaning of cubicles | | | |
| 12 | Bengal Tiger (Sub-adult) | Beef | 5 kg | 5 kg | One day fasting in a Week | | | |
| | | Live chicken (dressed) in every fortnight | 7 kg | 7 kg | | | | |
| | Bengal Tiger (Cub) | From the 5 th months age | | | | | | |
| | | (Dressed) chicken 6 th months | 1.250 kg | 1.250 kg | | | | |
| | | Dressed chicken 7 month | 2.5 kg | 2.5 kg | | | | |
| | | Dressed chicken | 3 kg | 3 kg | | | | |
| | | Beef 8 th to 9 th month age | 2 kg | 2 kg | | | | |
| | | Chicken | 4 kg | 4 kg | | | | |
| | | Beef | 3 kg | 3 kg | | | | |
| | | 10 to 12 th month age | | | | | | |
| | | Chicken | 2kg | 2kg | | | | |
| | | Beef | 6 kg | 6 kg | | | | |
| | | 13 | Common Leopard | Beef | | 5 kg | 5 kg | One day fasting in a week |
| | | | | Live chicken (dressed) in every fortnight | | 7 kg | 7 kg | |
| 14 | Clouded Leopard | Mutton | 2.5 kg | 2.5 kg | One day fasting in a week | | | |
| | | Chicken (live) (dressed) in every fortnight | 3 kg | 3 kg | | | | |

| | | | | | |
|----|----------------|--|------------|------------|----------------------|
| 15 | Hoolock Gibbon | In the Morning | | | Twice feeding daily. |
| | | Banana | 4 nos | 4 nos | |
| | | Soaked Channa | 0.150 kg | 0.150 kg | |
| | | Apple | 1 no | 1 no | |
| | | Orange/citrus fruit cucumber | 1 no. | 1 no. | |
| | | Watermelon, pears etc. | 0.3 kg | 0.3 kg | |
| | | Egg/Silk work | 1 no. each | 1 no. each | |
| | | In the evening | | | |
| | | Rice mixed with pumpkin (boiled) | 0.3 kg | 0.3 kg | |
| | | Litchi, Guave, Plum | 0.250 kg | 0.250 kg | |
| | | Grapes, pine apple | 0.100 Kg | 0.100 Kg | |
| | | Mango | 1 no. | 1 no. | |
| | | Green pea, carrot | 0.250 kg | 0.250 kg | |
| 16 | Slow-loris | Apple | 0.2 kg | 0.2 kg | Alternate day |
| | | Banana | 2 nos | 2 nos | |
| | | Mango | 0.2 kg | 0.2 kg | |
| | | Sweet potato (boiled) | 0.1 kg | 0.1 kg | |
| | | Mince meat/Egg (boiled) | 1 no. | 1 no. | |
| 17 | Gharial | Live fish (Magur, Singi) required qnty. to introduce into the pond | 1 kg. | 1 kg | Each daily |
| 18 | Tortoise | Live fish Goroi | 0.20 kg | 0.20 kg | |
| 19 | Porcupine | Banana | 2 nos | 2 nos | |
| | | Chana | 0.1 kg | 0.1 kg | |
| | | Sweet potato | 0.1 kg | 0.1 kg | |
| | | Cabbage | 0.250 kg | 0.250 kg | |
| | | Carrot | 0.2 kg | 0.2 kg | |
| | | Cucumber, pears, pumpkin | 0.3 kg | 0.3 kg | |
| 20 | Hornbill | Fish/Chicken/Liver | 0.250 Kg | 0.250 kg | On alternate day |
| | | Banana | 2 nos | 2 nos | |
| | | Apple | 0.250 kg | 0.250 kg | |
| | | Bogori, Plum, Pear, Guava, Mango, Pineapple & Tomato etc. | 0.050 kg | 0.050 kg | |
| | | | | | |
| 21 | Peafowl | Paddy | 0.2 kg | 0.2 kg | |
| | | Chana | 0.050 kg | 0.050 kg | |
| | | Cabbage | 0.1 kg | 0.1 kg | |
| | | Poultry feed | 0.1 kg | 0.1 kg | |
| | | Garlic | 0.025 kg | 0.025 kg | |

| | | | | | |
|----|-------------------------|-----------------|-------------------|-------------------|---|
| 22 | Goose | Paddy | 0.2 kg | 0.2 kg | |
| | | Channa | 0.1 kg | 0.1 kg | |
| | | Duck feed | 0.2 kg | 0.2 kg | |
| 23 | Parakeet, Mynah, Barbet | Banana | 1 no | 1 no | |
| | | Apple | 0.050 kg | 0.050 kg | |
| | | Green maize | 1 no | 1 no | |
| | | Green Chilli | 0.010 kg | 0.010 kg | |
| | | Paddy | 0.020 kg | 0.020 kg | |
| | | Channa | 0.015 kg | 0.015 kg | |
| | | G/pea | 0.050 kg | 0.050 kg | |
| | | Ground nut | 0.025 kg | 0.025 kg | |
| | | Guava | 0.050 kg | 0.050 kg | |
| 24 | Jungle Fowl & Pheasants | Paddy | 0.1 kg | 0.1 kg | |
| | | Chana | 0.015 kg | 0.015 kg | |
| | | Poultry feed | 0.050 kg | 0.050 kg | |
| 25 | Dove | Paddy | 0.020 kg | 0.020 kg | |
| | | Channa | 0.015 kg | 0.015 kg | |
| 26 | Duck, Morhen & Teals | Paddy | 0.050 kg | 0.050 kg | |
| | | Channa | 0.015 kg | 0.015 kg | |
| | | Duck feed | 0.050 to 0.100 Kg | 0.050 to 0.100 Kg | |
| 27 | Red Jungle Fowl | G.V.Leave | 0.020 kg | 0.020 kg | |
| | | Bread | 0.010 kg | 0.010 kg | |
| | | Kima bason/egg | 0.050/0.5 Kg/no | 0.050/0.5 Kg/no | |
| | | Mixed dana | 0.010 kg | 0.010 kg | |
| | | Garlic | 0.002 kg | 0.002 kg | |
| | | Guava | 0.020 kg | 0.020 kg | |
| | | Sattu | 0.025 kg | 0.025 kg | |
| 28 | Blue and Yellow Macaw | Banana | 1 no | 1 no | Except May, June & July (crt. W.e.f. 1 st Nov to 31 st Mar) |
| | | G.nut | 0.050 kg | 0.050 kg | |
| | | Papaya | 0.050 kg | 0.050 kg | |
| | | Chillies | 0.005 kg | 0.005 kg | |
| | | Maize crusted | 0.050 kg | 0.050 kg | |
| | | Apple | 0.050 kg | 0.050 kg | |
| | | Carrot/cucumber | 0.050 kg | 0.050 kg | |
| | Seasonal diet | Peas green | 0.050 Kg | 0.050 Kg | 1 st Dec to 30 th Apr |
| | | Ber | 0.050 Kg | 0.050 Kg | 1 st Feb to 30 th Mar |
| | | Chicku | 0.050 Kg | 0.050 Kg | 1 st Feb to 30 th Apr |
| | | Guava | 0.050 Kg | 0.050 Kg | 1 st Oct to 30 th Jan |
| | | Water melon | 0.050 Kg | 0.050 Kg | 1 st Apr to 30 th Jun |

| | | | | | |
|--------|------------|------------------|----------------------|----------|---|
| | | Melon | 0.050 Kg | 0.050 Kg | 1 st May to 30 th Jun |
| | | Pears | 0.050 Kg | 0.050 Kg | 1 st Jul to 30 th Sep |
| | | Bhutta | 0.050 Kg | 0.050 Kg | 1 st Jun to 30 th Jul |
| 29 | Pheasants | Lettuce | 0.050 kg | 0.050 kg | |
| | | C maize | 0.050 Kg | 0.050 Kg | |
| | | Onion | 0.010 Kg | 0.010 Kg | |
| | | Mousambi | 0.030 Kg | 0.030 Kg | |
| | | Green vegetable | 0.050 Kg | 0.050 Kg | |
| | | Garlic | 0.005 Kg | 0.005 Kg | |
| | | Apple | 0.030 Kg | 0.030 Kg | |
| | | Marble chips | 0.010 Kg | 0.010 Kg | |
| | | Mutton heart | 0.020 Kg | 0.020 Kg | |
| | | Wheat | 0.050 Kg | 0.050 Kg | |
| | | Sattu(gram) | 0.010 Kg | 0.010 Kg | |
| | | Egg | 1.5 pcs. | 1.5 pcs. | |
| | | 30 | Himalayan Palm Civet | Bun | |
| Egg | 1 pc | | | 1 pc | |
| Banana | 4 pcs | | | 4 pcs | |
| Apple | 0.500 Kg | | | 0.500 Kg | |
| Mutton | 0.100 Kg | | | 0.100 Kg | |
| 31 | Slow Loris | Bun | 1 pc | 1 pc | |
| | | Egg | 1 pc | 1 pc | |
| | | Banana | 3 pcs | 3 pcs | |
| | | Apple | 0.500 Kg | 0.500 Kg | |
| | | Mutton | 0.100 Kg | 0.100 Kg | |
| 32 | Langur | Gram | 0.100 Kg | 0.100 Kg | |
| | | Banana | 4 pcs | 4 pcs | |
| | | Groundnut | 0.200 Kg | 0.200 Kg | |
| | | Potato | 0.100 Kg | 0.100 Kg | |
| | | Green vegetables | 0.100 Kg | 0.100 Kg | |
| | | Boiled egg | 1 pc | 1 pc | |
| | | Apple | 0.200 kg | .200 kg | |
| | | Bun | 1 pc | 1 pc | |
| | | Seasonal fruits | | | |
| | | Tomato | 0.400 Kg | 0.400 Kg | |
| 33 | Emu | Onion | 0.100 kg | 0.100 kg | |
| | | Garlic | 0.050 kg | 0.050 kg | |
| | | G V leaves | 0.500 kg | 0.500 kg | |
| | | Mixed dana | 0.500 kg | 0.500 kg | |
| | | Kima bason | 0.250 kg | 0.250 kg | |
| | | Banana | 10 nos | 10 nos | |
| | | Gram soaked | 0.500 kg | 0.500 kg | |
| | | Egg boiled | 1 no. | 1 no. | |
| | | Marble chips | 0.050 kg | 0.050 kg | |

| | | | | | |
|----|-----------|---------------|-----------|-----------|--|
| 34 | Red Panda | Bun | 1 pc | 1 pc | |
| | | Egg | 1 pc | 1 pc | |
| | | Banana | 4 pcs | 4 pcs | |
| | | Sugar | 0.020 kg | 0.020 kg | |
| | | Apple | .500 kg | .500 kg | |
| | | Milk (Amul) | 0.500 ltr | 0.500 ltr | |
| | | Bamboo leaves | 3 kg | 3 kg | |

14. Vaccination schedule of animals

| Sl.No. | Species | Disease vaccinated for | Name of the vaccine and dosage/quantity used | Periodicity | Remarks |
|--------|------------------|--------------------------------|--|-------------|---------|
| 1 | Tigers | 1.Rabies 2.Canine Distemper | 1.Raksharab 1 ml IM 2.Megabvac 7- 1 ml IM | Annually | |
| 2 | Common leopards | 1.Rabies 2.Canine Distemper | 1.Raksharab 1 ml IM 2.Megabvac 7- 1 ml IM | Annually | |
| 3 | Clouded Leopards | 1.Rabies 2.Canine Distemper | 1.Raksharab 1 ml IM 2.Megabvac 7- 1 ml IM | Annually | |
| | | | | | |

15. De-worming Schedule of animals

| Sl.No. | Species | Drug used | Month |
|--------|------------|--|-----------|
| 1 | Carnivores | Fenbendazole, Albendazole, Praziquantel and Pyrantel pamoate | quarterly |
| 2 | Hervivores | Fenbendazole, Albendazole and Ivermectin | quarterly |
| 3 | Reptiles | Fenbendazole, Albendazole, Ivermectin | quarterly |
| 4 | Birds | Fenbendazole, Albendazole | quarterly |

16. Disinfection schedule

| Sl.No. | Species | Type of enclosure | Disinfectant used and method | Frequency of disinfection |
|--------|------------|-------------------|--|---------------------------|
| 1 | Carnivores | All enclosures | Gluteraldehyde potassium permanganate solution | 1.Biweekly 2.Daily |
| 2 | Hervivores | All enclosures | Gluteraldehyde potassium permanganate solution | 1.Biweekly 2.Daily |
| 3 | Reptiles | All enclosures | Gluteraldehyde potassium permanganate solution | 1.Biweekly 2.Daily |
| 4 | Birds | All enclosures | Gluteraldehyde potassium permanganate solution | 1.Biweekly 2.Daily |
| | | | | |

17. Health check up of employees for zoonotic diseases

| Sl.No. | Name | Designation | Date of Health Check up | Findings of Health Check up |
|--------|------------------------------|-------------|-------------------------|-----------------------------|
| | Not done due to lack of fund | | | |

18. Developmental works carried out in the Zoo during the year

Construction of Zoo Hospital completed

Construction of Feed store completed

Construction of Serow enclosure completed

Black topping of road from FRH to Director office 300 mtr completed.

19. Education and Awareness programmes during the year

1. Organized Essay and painting competition during Wildlife week celebration during October 2019.
2. Organize debate competition on World Environment day celebration.
3. Organized mass tree plantation program during Vanamahotsava celebration.
4. Organized essay writing competition on World Forestry Day.
5. Film show on World Water Day.
6. Painting competition on Earth Day etc.

20. Important Events and happenings

Organized various programs on different occasions viz. Wildlife week celebration, World Environment day celebration, Vanamahotsava celebration, World Forestry Day, World Water Day, Earth Day involving VVIP visits and general public.

21. Seasonal special arrangements for upkeep of animals

During peak winter season straws and wooden beds are provided to different animals apart from providing heating etc as per requirement. During summer wet gunny bags are provided to reptiles and other species as per requirements. As such Itanagar is located in sub tropical zone consequently climate is moderate so it does not require special seasonal arrangements except for certain specialized animals.

Apart from above physical arrangements special dietary schedule is maintained to provide seasonal fruits, vegetables etc with necessary supplements during summer and winter.

22. Research work carried out and publications

Research work is continuously carried out at Hoolock gibbon Conservation Breeding Centre by engaging full time Biologist to study different aspects of H.Gibbon. Apart from Hoolock Gibbon Conservation Breeding Centre, no other research related works was carried out during the reporting period.

23. Conservation Breeding programme of the Zoo

Conservation of Hoolock Gibbon breeding programme is going on.

24. Animal acquisition/transfer/exchange during the year

| | | | | | |
|---|----------------------------|---------|--------------|--------------------|-----------------------------|
| A | Animal arriving in the Zoo | | | | |
| | H.No. | Species | Number (M/F) | From which Zoo | Date of arriving in the Zoo |
| | Not done | | | | |
| B | Animal going from the Zoo | | | | |
| | H.No. | Species | Number (M/F) | Going to which Zoo | Date of arriving in the Zoo |
| | Not done | | | | |

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

| S.No. | Date of rescue | Species with number of animal rescued with their sex(M.F/U/T) | Received from | Date of submission of Report of the CWLW/ CZA | Action taken | |
|-------|----------------|---|---------------------------------|---|---|--|
| | | | | | Date and place of rehabilitation in their habitat | Reason for housing in the Zoo if not released in their habitat |
| 1 | 19.04.2019 | Himalayan Black Bears (1:1:0) | Donated by Bamang Taji Itanagar | | | Hand raised |
| 2 | 27.06.2019 | Wreathed Hornbill 0:0:1 | Pakke Tiger Reserve | | | Hand raised |
| 3 | 11.07.2019 | Himalayan Griffon 0:0:1 | Donated by Nabam Nikum | | | Injured |
| 4 | 29.09.2019 | Serow 0:1:0 | Donated by Tumme Lamra Hollongi | | | Injured |
| 5 | 21.03.2020 | Serow 1:0:0 | Donated by Tech Suraj Khamir | | | Hand raised |

26. Annual Inventory of animals

Form – II [See Rule 11(1)] Part – A

Inventory Report for the year 2019 – 20

Endangered species *

| S.No. | Animal Name | Scientific Name | Opening Stock as on 01.04.2019 | | | | Births | | | Acquisitions | | | Disposals | | | Death | | | Closing Stock as on 31.03.2020 | | | | |
|-----------------------------------|------------------------|-------------------------|--------------------------------|-----------|-----------|------------|----------|----------|----------|--------------|----------|----------|-----------|----------|----------|----------|----------|----------|--------------------------------|-----------|-----------|-----------|------------|
| | | | M | F | U | T | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T | |
| Birds | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Oriental Pied Hornbill | Anthracoceros coronatus | 1 | 0 | 0 | 1 | | | | | | | | | | | | | 1 | 0 | 0 | 1 | |
| Total Birds | | | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| Mammals | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Himalayan Black Bear | Selenarctos thibetanus | 5 | 4 | 0 | 9 | | | | | | | | | | | 1 | | 5 | 3 | 0 | 8 | |
| 2 | Civet Common Palm | P. Hermaphroditus | 0 | 1 | 0 | 1 | | | | | | | | | | | | | 0 | 1 | 0 | 1 | |
| 3 | Civet Indian Palm | | 0 | 1 | 0 | 1 | | | | | | | | | | | | | 0 | 1 | 0 | 1 | |
| 4 | Hoolock Gibbon | Hoolock leuconyds | 9 | 3 | 6 | 18 | | | | | | | | | 1 | 1 | | 8 | 2 | 6 | 16 | | |
| 5 | Leopard Clouded | Neofelis nebulosa | 1 | 1 | 0 | 2 | | | | | | | | | 1 | 1 | | 0 | 0 | 0 | 0 | | |
| 6 | Leopard Common | panthera parduse | 2 | 2 | 0 | 4 | | | | | | | | | | 1 | | 2 | 1 | 0 | 3 | | |
| 7 | Macaque rhesus | Macaca mulatta | 16 | 8 | 16 | 40 | | | | | | | | | | | | 16 | 8 | 16 | 40 | | |
| 8 | Tiger Bengal | Pathera tigris tigris | 4 | 2 | 0 | 6 | | | | | | | | | | | | 4 | 2 | 0 | 6 | | |
| 9 | Assamese Macaque | Macaca assamensis | 4 | 3 | 0 | 7 | | | | | | | | | | | | 4 | 3 | 0 | 7 | | |
| 10 | Capped Langur | Presbytis pileatus | 1 | 0 | 0 | 1 | | | | | | | | | | | | 1 | 0 | 0 | 1 | | |
| 11 | Slow loris | Nyctiebus coucang | 2 | 0 | 5 | 7 | | | | | | | | | | | | 2 | 0 | 5 | 7 | | |
| 12 | Leopard Cat | Felis bengalensis | 4 | 1 | 2 | 7 | | | | | | | | | | | | 4 | 1 | 2 | 7 | | |
| 13 | Jackal | Canis aureus | 2 | 2 | 3 | 7 | | | | | | | | | | | | 2 | 2 | 3 | 7 | | |
| Total Mammals | | | 50 | 28 | 32 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 48 | 24 | 32 | 104 |
| Reptiles/Amphibians | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Gharial | Ghavalis gangeticus | 1 | 1 | 0 | 2 | | | | | | | | | | | | | 1 | 1 | 0 | 2 | |
| 2 | Tortoise | | 4 | 1 | 1 | 6 | | | | | | | | | | | | | 4 | 1 | 1 | 6 | |
| Total Teptiles /Amphibians | | | 5 | 2 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 1 | 8 | |
| Invertebrates | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 | |
| Total Invertebrates | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Animals | | | 56 | 30 | 33 | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 54 | 26 | 33 | 113 |

* Animals under Sch-I and Sch-II of Wildlife (Protection), Act, 1972

Other Species

| S.No. | Animal Name | Scientific Name | Opening Stock as on 01.04.2019 | | | | Births | | | Acquisitions | | | Disposals | | | Death | | | Closing Stock as on 31.03.2020 | | | |
|---|---------------------|----------------------------------|--------------------------------|-----------|-----------|------------|----------|----------|----------|--------------|----------|----------|-----------|----------|----------|----------|----------|----------|--------------------------------|-----------|-----------|------------|
| | | | M | F | U | T | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T |
| 1 | Brown wood Owl | <i>Bubo zeylonensis</i> | 0 | 1 | 0 | 1 | | | | | | | | | | | | | 0 | 1 | 0 | 1 |
| 2 | Blue & Yellow Macaw | <i>Ara araravna</i> | 1 | 0 | 0 | 1 | | | | | | | | | | | | | 1 | 0 | 0 | 1 |
| 3 | Spotted Dove | <i>Streptopella senegalensis</i> | 19 | 10 | 3 | 32 | | | | | | | | | | | | | 19 | 10 | 3 | 32 |
| 4 | Silver Pheasant | <i>Lophura nycthemera</i> | 2 | 5 | 0 | 7 | | | | | | | | | | | | | 2 | 5 | 0 | 7 |
| 5 | Love Birds | <i>Melopsittacus undulatus</i> | 1 | 1 | 0 | 2 | | | | | | | | | | | | | 1 | 1 | 0 | 2 |
| 6 | Red jungle Fowl | <i>Gallus gallus</i> | 6 | 6 | 0 | 12 | | | | | | | | | 1 | | | | 5 | 6 | 0 | 11 |
| 7 | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| Total Birds | | | 29 | 23 | 3 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 28 | 23 | 3 | 54 |
| Mammals | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Deer Barking | <i>Muntiacus muntjak</i> | 7 | 12 | 7 | 26 | | | | | | | | | | | | | 7 | 12 | 7 | 26 |
| 2 | Deer Sambar | <i>Cervus unicolor</i> | 4 | 3 | 2 | 9 | 2 | | | | | | | | | | | | 6 | 3 | 2 | 11 |
| 3 | Indian porcupine | <i>Hystrix indica</i> | 1 | 0 | 0 | 1 | | | | | | | | | | | | | 1 | 0 | 0 | 1 |
| 4 | Serro | | 0 | 0 | 0 | 0 | | | | 1 | | | | | | | | | 0 | 1 | 0 | 1 |
| 5 | Wild Pig | <i>sus scrofa</i> | 1 | 1 | 0 | 2 | | | | | | | | | | | | | 1 | 1 | 0 | 2 |
| 6 | Hog Deer | | 0 | 0 | 0 | 0 | | | | 1 | 1 | | | | | | | | 1 | 1 | 0 | 2 |
| 7 | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| Total Mammals | | | 13 | 16 | 9 | 38 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 18 | 9 | 43 |
| Reptiles/Amphibians | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| Total Teptiles /Amphibians | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Invertrabrates | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| 1 | | | | | | 0 | | | | | | | | | | | | | 0 | 0 | 0 | 0 |
| Total Invertrabrates | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Animals (Other species) | | | 42 | 39 | 12 | 93 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 44 | 41 | 12 | 97 |
| GRAND TOTAL (Endangered species and Other species) | | | 98 | 69 | 45 | 212 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 98 | 67 | 45 | 210 |

27. Mortality of animals

| S.No. | Animal name (With individual identification mark if any) | Scientific name | Sex | Date of Date | Reason of death (Death as per the post mortem report) |
|-------|---|---------------------------|-----|-----------------|--|
| 1 | Common Leopard | Panthera pardus | F | 02.01.2020 | Old age related issued with high retention of urinary fluids. |
| 2 | Clouded Leopard | Neofelis nebulosa | M | 10.10.2020 | Plural effusion suggestive of CHF. |
| 3 | Hoolock Gibbon | Hoolock leuconedys | M | 12.10.2019 | Accidental asphyxiation due to strangulation of neck. |
| 4 | Clouded Leopard | Neofelis nebulosa | F | 07.10.2019 | Suggestive of multiple organ failure due to old age. |
| 5 | Himalayan black bear | Selenarctos thibetanus | F | 24.12.2019 | Cerebral stroke and hypovolemic shock. |
| 6 | Red jungle fowl | Gallus gallus | M | 24.06.2019 | Old age |

28. Compliance with conditions stipulated by the Central Zoo Authority

| S.No. | Norm No. under TZR 2009 | Condition stipulated | Time period to comply | Since when pending | Status with regard to compliance of the condition |
|-------|---|-------------------------|--------------------------|-----------------------|--|
| | During this reporting period no conditions was stipulated by CZA for its compliance so it may be treated as nil. | | | | |
| | | | | | |

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

- a. Mammals – Barking deer, Jackal, Leopard cat, Flying squirrel, Squirrel, Flying fox etc.
- b. Birds – Red jungle fowl, Racket tail Drongo, Myena, Jungle crow, Owls, Kingfisher etc.
- c. Reptiles – King cobra, Python, Cat snake, Rat snake, Viper, Monitor Lizard etc-.