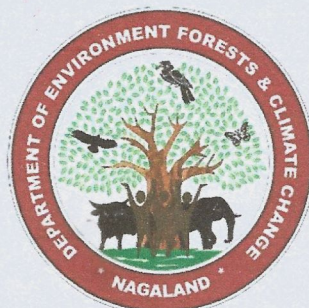


**NAGALAND ZOOLOGICAL PARK, RANGAPAHAR  
CHUMOUKEDIMA NAGALAND**



**Annual Report for the year 2021-22**



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## 1. Report of the Officer-in-Charge

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Located at about 8 km from the commercial city of Dimapur in the state of Nagaland, the Nagaland Zoological Park has a total area of 176 Hectares. It has a gentle rolling topography with a number of low-lying areas ideal for aquatic birds. The Dhansiri River flows on the western side of the zoo. Climate of this area is hot and humid in the summer months of April to May, from the month of June; rains commence and continue till the early part of October. Mild winter starts from November to February-March. The altitude of the area ranges from 45 – 163 m above mean sea level.



At present, the Park has a collection of about 350 captive wildlife comprising mammals, birds and reptiles mostly indigenous to the region including a number of threatened and endangered species. The species presently housed in the Zoo includes endangered species like Western Hoolock gibbon, Slow Loris, Asian Brown Tortoise, Royal Bengal Tiger and Black Soft-Shell Turtle. Others includes Sambar Deer Barking Deer, Spotted Deer, Common Leopard, Himalayan Black Bear, Macaques, Jackal, Leopard Cat, Porcupines and Civet. Reptiles includes Turtles, Tortoise and Burmese Python. The Zoo has among its collection Three different species of Hornbills namely, Oriental Pied Hornbill, Rufous necked Hornbill and Brown Hornbill. Birds of prey include Owls, Crested Serpent Eagle, and Black Kite. Other smaller bird on display includes Great Barbet, Pompadour Green Pigeon, spotted dove and Turtle Dove.

The Park has a rich diversity of plants species including a number of fruit-bearing species which attracts many species of birds during the fruiting season. Numerous species of flowering plants are also abundantly found inside the park. Some important tree species includes *Artocarpus sp*, *Terminalia chebula*, *Tectona grandis*, *Mesua ferea*, *Bischofia javanica*, *Ficus spp*, *Spondia ssp*, *Castinopsis sp*, *Anthocephalus kadamba*, *Bombax ceiba*, *Tetramelus nudiflora*, *Trevia nudiflora*, *Bauhunia sp*, *Largestromia sp*, etc. Trees especially fruit-bearing species are planted every year to increase tree cover and improve habitat of the park for the birds and animals. Some fruit species viz. *Mangifera indica*, *Melia azadirach*, *Terminalia tometosa*, *Embelica officinalis*, *Artocarpus heterophylus*, *Tamarindus indica*, *Erithryna sp*, *Bambusa sp*, *Gmelina arborea*, etc have been planted apart from the other tree species. Many species of medicinal plants are also found naturally inside the park.

The zoo also houses within its boundary wall some free-ranging species of birds and animals. About 56 species of birds that dwell in the forested areas of the park have already been recorded inside the park. More than 200 species of butterflies have also been recorded within the park. One can enjoy these fluttering insects amidst the hustle and bustle of the zoo in the specially created park called named as “Butterfly Park” adding to the natural beauty of the area.

As part of zoo education and research, during the year the zoo was able to impart training to Student Interns from various colleges and universities of India. Zoo Volunteer works were undertaken and open to any individual who wishes to contribute to the cause towards the conservation of wildlife. And for this many wildlife enthusiasts come forward to help the zoo during occasions such as World Environment Day, Wildlife Week, Cleanliness Drive, etc.

At present the Zoo is undertaking various animal exchange programs with other zoos in India. Notable exchanges include the exchange of a pair of Indian Wolf from Mysuru Zoo for a pair of Himalayan Black Bear from our zoo. Other similar exchange programs are being initiated with the different zoos in India. In addition, animal acquisition is also done to increase the number of specimens for ultimate display for the visitors. Efforts are being made to improve the conditions of wildlife within the zoo. Keeping pace with the need of the growing populace of the city and to create awareness as well as educate the mass about the conservation of wildlife, the zoo makes keen effort to improve management of our captive wildlife. Starting with 10 different species of animals and birds totalling upto 64 for display initially in the year 2008, in a span of 14 years, the zoo now houses 44 different species of animals and birds putting the total collection of 350 plus specimens in 2022.

The comprehensive Master Plan of Nagaland Zoological Park has been prepared and submitted to the Central Zoo Authority for approval. In this regard the Master (Layout) Plan has been approved in 12.08.2014. All the developmental works are being carried out according to the Master Plan Layout which had been approved by the Central Zoo Authority. The animal enclosures have been progressively designed to create large enclosures in the natural environment. The abundant space offered by the zoo has been targeted to setup various safaris in the future.

The animal keepers are regularly taken for medical check-ups to keep track of any zoonotic diseases they might acquire through the daily handling of animals. Other regular activities regarding the monitoring of animal healthcare are done with the monitoring staff led by in-house veterinary doctor to prevent any outbreak of diseases in the zoo.

The training of zoo keepers, orientation training of zoo guides, training for field staff on tranquilization techniques and exposure trips were organized during the year for capacity building of Zoo personnel.

This Annual Report provides various information on the management and development of Nagaland Zoological Park during the year 2021-22. The exciting relationship between the visitors and wildlife will be further strengthened in the future years to come. I hope, in the coming years, Nagaland Zoological Park will continue to grow as an outstanding centre for wildlife conservation, education and research.

*C. Zupeni*

**Dr. C. Zupeni Tsanglai, IFS**  
DIRECTOR  
Nagaland Zoological Park  
**Director**  
**Nagaland Zoological Park**  
**Rangapahar : Nagaland**

## 2. History of the Zoo

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In the year 1916 an area of 6816 acres of Rangapahar Forest was declared as reserved forest. An area of 7865 acres was later added to the reserved forest in the year 1919. In the year 1924 the total area was increased to 1768.4 acres. A portion of the reserved forest measuring 470 Hectares was declared as Rangapahar Wildlife Sanctuary in 1986 Vide. Govt. Notification No. FOR-84/84 dt. 17/06/86. An area of 176 Hectares was earmarked and was fully fenced with brick wall stretching upto nearly 7 km around for Zoological Park.

The Zoo was officially inaugurated on 28<sup>th</sup> of August 2008 and is currently recognized as a category **Medium Zoo** under the Central Zoo Authority.



An Aerial View of the Zoo

Apart from the wildlife in captivity, the park also has a rich biodiversity of plants, animals and birds species inhabiting the forest areas within it. Conservation and protection of biodiversity both flora and fauna forms an important function of the Zoo.

## 3. Vision

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The Nagaland Zoological Park envisage the need to protect conserve and rehabilitate the wildlife that are endemic to the state, and for this the zoo provides an ideal location to conserve, upkeep and breed the species that are now facing population decline and nearing extinction. It is the vision of Nagaland Zoological Park that all the animals find this place a safe haven for them to live and propagate for future existence. The zoo also wishes to become an integral part in the tourist map of Nagaland.

## 4. Mission

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The Mission of Nagaland Zoological Park is to inculcate and develop a sense of caring towards flora and fauna. To serve as a Conservation Centre for flora of North-East India in general and Nagaland in particular and to promote awareness, educate and provide recreation for the people of the State.

## 5. Objective

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1. *Ex-situ Conservation programme for the fauna of North-East India and Nagaland.*

2. *Initiate captive breeding of endangered species of the area.*

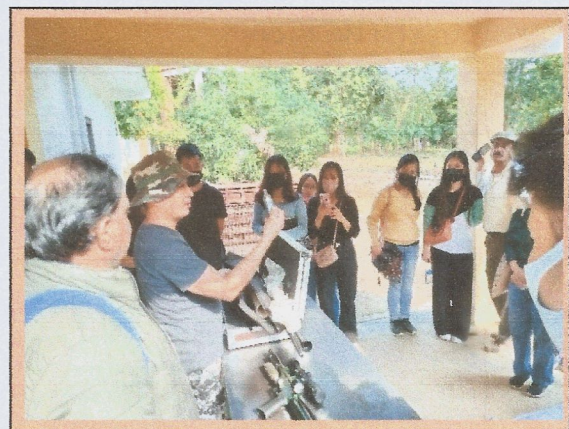


3. *Promoting Zoo as an institute for Conservation awareness education programme for the people of the state and thus enhance awareness on wildlife conservation.*



4. *As a Centre for conducting scientific studies on the fauna.*

5. *To provide educative and recreational facilities for the people of the state.*



## 6. About us

Sl. No	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	Nagaland Zoological Park
2	Year of Establishment	2008
3	Address of the Zoo	Nagaland Zoological Park Rangapahar, Dimapur - 797112
4	State	Nagaland
5	Telephone Number	9410572885
6	Fax Number	NA
7	E-mail address	zoomail.nzp@gmail.com
8	Website	www.nagalandzoologicalpark.org
9	Distance from Nearest	Airport : 9.8 km
		Railway Station : 7.4 km
		Bus Stand : 7.7 km
10	Recognition Valid upto (Date)	19 <sup>th</sup> August 2022
11	Category of zoo	Medium Zoo
12	Area (in Hectares)	176 Hectares
13	Number of Visitors (2021-22)	Adult :50998
		Children :9669
		Total Indian : NA
		Total Foreigners : NA
		Total Visitors :60667
14	Visitors' Facilities Available in Zoo	Toilets, Resting Sheds, Roadside Benches, Visitors Walkways, Visitors' Information Booth, Drinking Water Points, Route Direction Signboards, Guide Maps, Species

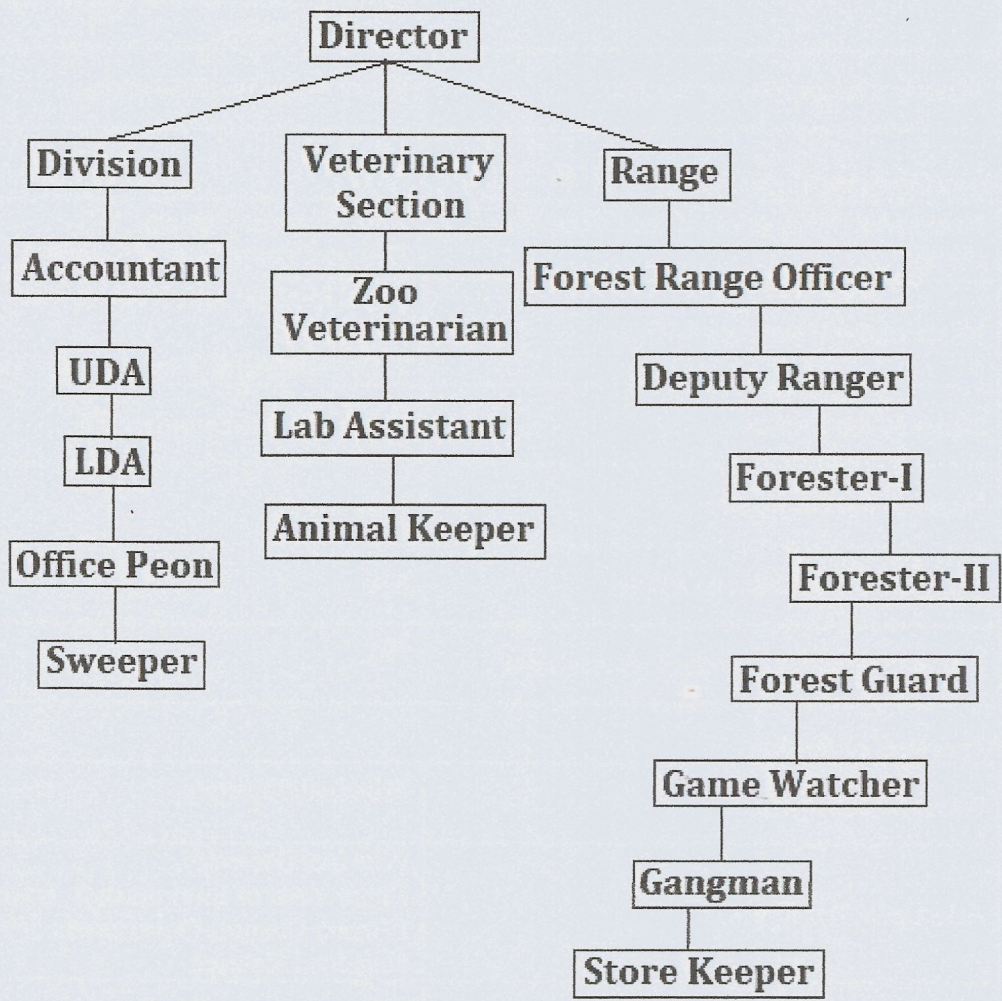


		Information Boards/Charts, Canteen, Recreational Area, and Battery-operated vehicle, Wheel Chairs, Umbrella, E-Rickshaw and Car Parking.
15	Weekly Closure Day of the Zoo	Every Monday of the week.
<b>Management Personnel the Zoo</b>		
16	Name with designation of the Officer-in-charge	Dr. C. Zupeni Tsanglai, IFS Deputy Conservator of Forests
	Name of the Veterinary Officer	1. Dr. Micheal Imti Imchen, VAS ( <i>On Deputation</i> ) 2. Dr. Micheal R Tsanglao, Zoo Vet ( <i>Honorarium</i> )
	Name of the Curator	Dr. C. Zupeni Tsanglai, IFS
	Name of the Biologist	NA
	Name of the Education Officer	NA
	Name of the Compounder/Lab Assistant	NA
<b>Owner/Operator of the Zoo</b>		
17	Name of the Operator	Principal Secretary,
18	Address of the Operator	Principal Secretary, Department of Environment, Forests & Climate Change, Government of Nagaland, Nagaland Kohima
19	Contact details/Phone number of Operator	09436001788
20	E-mail address of Operator	ng019@ifs.nic.in



A Male Western Hoolock Gibbon in the zoo

## 7. Organizational Chart



Asian Black Bear in the Zoo

## 8. Human Resources

### Manpower of the Nagaland Zoological Park, Rangapahar

Sl.No	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Director	1	1. Dr. C. Zupeni Tsanglai, IFS
2	Forest Range Officer	1	1. Smt. Watisungla Amer, SFS
3	Veterinary Officer	2	1. Dr. Micheal Imti Imchen, VAS ( <i>On Deputation</i> ) 2. Dr. Micheal R Tsanglao, Zoo Vet
4	Deputy Ranger	2	1. Shri. Thriping Sangtam 2. Shri. Tinukaba Ao
5	Forester-I	7	1. Shri. Hingcu Lungalang 2. Shri. Mughato L. Awomi 3. Smt. Maongkala Jamir 4. Shri. Vinoto. K. Rochill 5. Shri. Inoto G. Chophy 6. Shri. Disurai Kaurinta 7. Shri. Kevipule
6	Forester-II	1	1. Shri. Imlikaba Ao
7	Forest Guard	12	1. Shri. Tokugha Chishi 2. Shri. A. Hotovi Sumi 3. Shri. V. Zakato Chishi 4. Shri. Kapcha Singsit 5. Shri. Awangbo Rentta 6. Shri. Samzaiding 7. Shri. Zulutemjen Longkumer 8. Shri. M. Longyou Phom 9. Shri. Imtitongdang Ao 10. Shri. Vekuta 11. Shri. Longchi Konyak 12. Shri. Itovi Chishi
8	Store Keeper	1	1. Smt. T. Lhoshevi
9	Game Watcher	4	1. Shri. H. Nitoho Chishi 2. Shri. Asheto Kinimi 3. Shri. Temsuwati Jamir 4. Shri. Medolhoulie Mehta
10	Gangman	1	1. Shri. Lamthai Soncho
11	Animal Attendant	3	1. Shri. T. Ruchu 2. Shri. N. Bongkhao Konyak 3. Shri. Bir Bahadur Sunar
12	Mali	2	1. Shri. I. Hebo 2. Shri. Y. Khehoshe Sumi
13	Grass Cutter	2	1. Shri. Suko Khamnuingan 2. Shri. Hosheto

14	Cook	2	1. Shri. Kakupu Chishi 2. Shri. H. Kiyeto Chishi
15	Sweeper	2	1. Smt. Senia Jemu 2. Smt. A. Khutoli Achumi
16	Chowkidar	3	1. Shri. Neingumezo 2. Shri. Vighoto 3. Shri. Husheto Awomi
	Total	46	

**Manpower of the Blyth's Tragopan Conservation & Breeding Centre, Kohima under Nagaland Zoological Park, Rangapahar**

Sl.No	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Officer-in-Charge/ Deputy Ranger	1	1. Shri. Medolezo Kire
2	Veterinary Officer	1	1. Dr. Keviseto Kintso ( <i>On Honorarium</i> )
3	Forester-I	4	1. Smt. Vilhoutuonuo Theunuo 2. Smt. Kiukhenshi S Yimchunger 3. Smt. Mathiam T Hanso 4. Shri. Theja-o Rhutsa
4	Biologist	1	1. Smt. Kanili Rakho ( <i>On Honorarium</i> )
	Total	7	

## 9. Capacity Building of zoo personnel

Sl. No.	Name and designation of the zoo personnel	Subject matter of training	Period of Training	Name of the Institution where the Training attended
1	1. Shri. Tinukaba Dy/Ranger 2. Shri. Mughato L Awomi Fr 1 3. Shri. Kevipule Fr 1	Wildlife Law Enforcement and Counter Wildlife Trafficking and Biodiversity Conservation	7.02.2022 to 8.02.2022	WCS
2	Smt. Watisungla Amer RFO	Online Cyber Crime and Digital Forensics- Investigation Track	21.03.2022 TO 25.03.2022	NCRB, New Delhi
3	1. Shri. N. Itovi Chishi Forest Guard 2. Shri. Awangbo Rentta Forest Guard 3. Shri. Tokugha Chishi Forest Guard 4. Shri. Zulutemjen Longkumer Forest Guard	In-Service Training	Jan to Jun 2021	SEFTI, Dimapur, Nagaland

	5.Shri. Vekuta Forest Guard			
4	1.Shri. Hechilo Semy, Animal Attendant 2.Shri. Bushan, Animal	Zookeeper Training on Captive Management of Reptiles	30 <sup>th</sup> Nov to 4 <sup>th</sup> Dec 2021	Assam State Zoo cum Botanical Gardens, Guwahati
5	Shri. Disurai Kaurinta, Forester-I Shri. Hingcu Lungalang, Forester-I	Animal Exchange with GZRRC, Jamnagar	19 <sup>th</sup> to 24 <sup>th</sup> Dec 2021	Greens Zoological Rescue & Rehabilitation Centre Society, Jamnagar, Gujarat
6	1. Dr. Michael, Veterinarian 2.Shri. Inoto G Choppy, Forester-I 3.Shri. Kevipulie, Forester-I 4.Shri. Bushan Lam, Animal Attendant	Animal Exchange with Lucknow Zoo	7 <sup>th</sup> to 12 <sup>th</sup> Mar 2022	Nawab Wajid Ali Shah Zoological Gardens, Lucknow
7	Officers & Staffs of NZP	75 Week 75 Species	10 <sup>th</sup> March 2022	NZP Conference Hall
8	NZP & BTCBC Staff with TSA(India)	Hornbill Festival 2022	1 <sup>st</sup> to 10 <sup>th</sup> Dec 2022	Kisama Heritage Village, Kohima
9	Officers & Staffs of NZP	Zoo in Focus	7 <sup>th</sup> Mar 2022	Online Google Meet

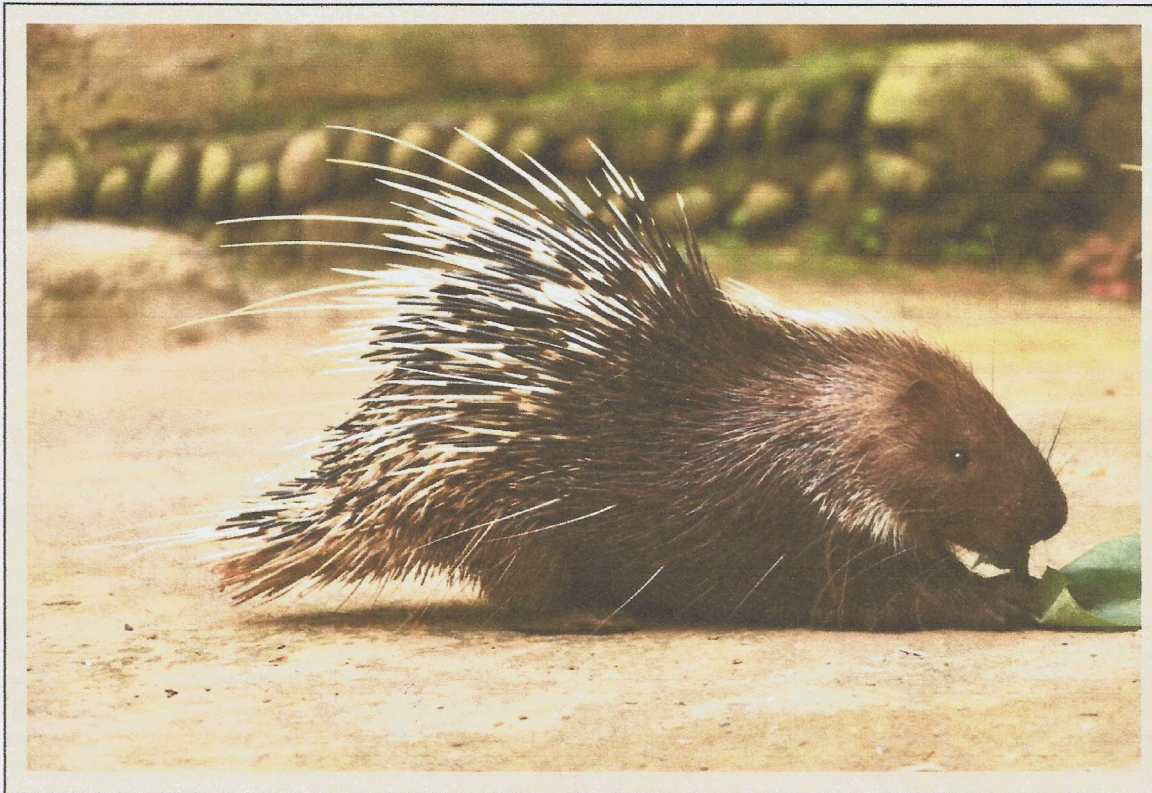


Indian Peafowl in the zoo

## 10. Zoo Advisory Committee

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- a. Date of Constitution :31<sup>st</sup> March 2016
- b. Chairman :The Principal Chief Conservator of Forests &Chief Wildlife Warden, Nagaland Dimapur
- c. Member Secretary :TheDirector, Nagaland Zoological Park
- d. Members :
  - i. Conservator of Forests (Wildlife & Biodiversity)
  - ii. The Deputy Commissioner, Dimapur
  - iii. The Commissioner of Police, Dimapur
  - iv. The Chief Executive Officer, Dimapur Municipal Council
  - v. The Deputy Director, Veterinary Hospital, Dimapur
  - vi. The Executive Engineer, Roads & Bridges.
- e. Dates on which Meetings held during the year  
NA



Malayan Porcupine in the zoo

## 11. Health Advisory Committee

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The Zoo is yet to constitute a Health Advisory Committee.

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

### STATEMENT OF INCOME & EXPENDITURE FOR THE YEAR 2021-22

(Amount in Lakhs of Rupees)

	STATE NON-PLAN		CZA GRANTS		Feeds	Revenue	Total
	Developmental	Non-Developmental	Developmental	Non-Developmental			
Income/Allotment	Nil	333.00000	Nil	Nil	87.14	12.817	432.957
Expenditure	-	332.33958	-	-	87.14	12.817	432.296
Balance	-	0.66042	-	-	Nil	Nil	0.661



Malayan Box Turtle in the zoo

*C. Zupen*  
Director  
Nagaland Zoological Park  
Rangapahar : Nagaland

## 13. Daily Feed Schedule of Animals

Sl. No	Species (Per Individual)	Feed item	Quantity (in kg)		Day of fasting
			Winter	Summer	
1	Bear	Bread	0.2	0.2	
		Mango	0.2	0.2	
		Jackfruit	0.2	0.2	
		Maize	0.2	0.2	
		Pumpkin	0.5	0.5	

		Wheat bran	0.2	0.2	
		Common salt	0.05	0.05	
		Rice	0.5	0.5	
		Molasses	0.1	0.1	
2	Tiger	Beef	8	8	Monday
		Chicken (dressed)	2	2	
3	Common leopard	Beef	4	4	Monday
		Chicken (dressed)	1.5	1.5	
4	Leopard cat	Chicken (dressed)	0.3	0.3	Monday
5	Common jackal	Beef	0.8	0.8	Monday
		Banana	0.2	0.2	
		Molasses	0.1	0.1	
6	Wild Dog (Dhole)	Beef	0.8	0.8	Monday
		Banana	0.2	0.2	
		Molasses	0.1	0.1	
7	Civets	Banana	0.1	0.1	
		Apple	0.05	0.05	
		Mango	0.05	0.05	
		Guava	0.05	0.05	
		Boiled Egg	1	1	
8	Deer	Banana	0.2	0.2	
		Wheat bran	0.2	0.2	
		Gram	0.2	0.2	
		Common salt	0.05	0.05	
		Soya flakes	0.1	0.1	
		Cabbage	0.2	0.2	
		Molasses	0.1	0.1	
9	Spotted Deer	Wheat bran	0.1	0.1	
		Gram	0.2	0.2	
		Common salt	0.05	0.05	
		Soya flakes	0.1	0.1	
		Cabbage	0.5	0.5	
		Molasses	0.1	0.1	
10	Sambar	Lessara	0.2	0.2	
		Wheat bran	0.3	0.3	
		Black salt	0.05	0.05	
		Cabbage	0.5	0.5	
		Gram	1.5	1.5	
		Common salt	0.05	0.05	
		Soya flakes	0.1	0.1	
		Molasses	0.20	0.20	
11	Slow loris	Banana	0.1	0.1	
		Apple	0.03	0.03	
		Papaya	0.05	0.05	
		Mango	0.05	0.05	
		Guava	0.05	0.05	
		Jackfruit	0.05	0.05	
		Grapes	0.01	0.01	
		Boiled Egg	1	1	



12	Monkeys	Banana	0.2	0.2	
		Carrot	0.1	0.1	
		Orange	0.1	0.1	
		Papaya	0.1	0.1	
		Mango	0.1	0.1	
		Guava	0.1	0.1	
		Coconut	0.1	0.1	
		Green Pea	0.05	0.05	
		Jackfruit	0.2	0.2	
		Pumpkin	0.05	0.05	
		Boiled Egg	1	1	
		13	Hoolock Gibbon	Banana	
Apple	0.1			0.1	
Papaya	0.1			0.1	
Mango	0.1			0.1	
Guava	0.1			0.1	
Jackfruit	0.2			0.2	
Grapes	0.05			0.05	
Boiled Egg	1			1	
Green Pea	0.05			0.05	
Sweet Potato	0.1			0.1	
Coconut	0.1			0.1	
Bread	0.2			0.2	
14	Porcupines	Pumpkin	0.2	0.2	
		Maize	0.1	0.1	
		Carrot	0.1	0.1	
		Yam	0.2	0.2	
15	Hornbills	Papaya	0.1	0.1	
		Tomato	0.2	0.2	
		Banana	0.1	0.1	
		Mango	0.1	0.1	
		Boiled Egg	1	1	
		Apple	0.05	0.05	
		Grapes	0.1	0.1	
		Rice	0.1	0.1	
16	Kite	Chicken	0.15	0.15	Monday
17	Owls	Chicken	0.15	0.15	Monday
18	Peahen	Cabbage	0.1	0.1	
		Tomato	0.2	0.2	
		Maize	0.1	0.1	
		Dry fish	0.02	0.02	
		Green pea	0.1	0.1	
		Broken rice	0.1	0.1	
19	Emu	Cabbage	0.5	0.5	
		Poultry feed	0.3	0.3	
		Maize powder	0.25	0.25	
		Wheat bran	0.2	0.2	
		Broken rice	0.1	0.1	

20	Red Jungle Fowl	Cabbage	0.1	0.1
		Poultry feed	0.2	0.2
		Maize	0.1	0.1
		Green pea	0.1	0.1
		Broken rice	0.1	0.1
21	Green Pigeon	Banana	0.05	0.05
		Papaya	0.05	0.05
		Guava	0.05	0.05
		Broken rice	0.05	0.05
22	Burmese Tortoise	Cabbage	0.3	0.3
		Sweet Potato	0.3	0.3
		Pumpkin	0.2	0.2
		Yam	0.3	0.3
23	Turtles	Molluscs	0.1	0.1
		Aquatic plants	0.1	0.1
		Cabbage	0.2	0.2
24	Star Tortoise	Sweet Potato	0.03	0.03
		Pumpkin	0.03	0.03
		Yam	0.03	0.03
		Green leaves	0.1	0.1
25	Burmese Python	Chicken	4	4



Indian Star Tortoise in the zoo

#### 14. Vaccination Schedule of Animals

Sl. No	Species	Date	Vaccine Used	Remark
1.	Dholes	03/06/2021	Vanguard plus 5L4, Antirabies (Raksharab)	Administered
2	Tigers	01/08/2021	Felovax, Antirabies (Raksharab)	Administered
3	Leopard	19/08/2021	Felligen, Antirabies (Raksharab)	Administered

#### 15. De-worming Schedule of Animals

Sl. No	Species	Date	Oral/ Injection	Remark
1	Dhole (Wild Dog), Jackals	18/01/ 2022	Ivermectin 10 mg mixed in meat @.5mg/kg bwt.	As per Stool screening results every 3 months.
2	Barking Deer, spotted deer	do	Ivermectin 1.5 g mixed in feeds @ .3 mg/kg bwt	do
3	Macaques/ primates	do	Fenbendazole 150mg in feeds	do
4	Large Cats	do	Ivermectin 1.5 g mixed in meat @.5mg/kg bwt.	do
5	Large Mammals	do	Ivermectin 1.5 g mixed in meat @.3mg/kg bwt.	do
6	Birds of prey	do	Fenbendazole .50mg /kg bwt.	do

#### 16. Disinfection Schedule

Sl. No	Species	Date	Oral/ Injection	Remark
1	All the enclosures	All Year Round	KMnO <sub>4</sub> mixed in water @10g in 25 litres every week inside the cell.	Daily cleaning with water.

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

The following Zoo staffs of Animal Section were sent for Regular Medical Checkup/Screening on 13<sup>th</sup> January 2021 Chief Medical Officer, District Civil Hospital, Dimapur at Nagaland Zoological Park. They were also tested for COVI-19 RAT Test and all showed Negative Result.

Sl. No	Name	Designation	Diagnosis	Hospital
1	Shri. Bir Bahadur Sunar	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
2	Shri. Watitongzuk	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
3	Shri. Moatemsu	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
4	Shri. Vikheto	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
5	Shri. Roman	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
6	Shri. Bhol Bahadur	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
7	Shri. Gopal	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
8	Shri. T. Ruchu	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
9	Shri. James Swu	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
10	Shri. Bongkhao	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
11	Shri. Hechulo Semy	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
12	Shri. Khevikhu	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur
13	Shri. Enyie Konyak	Animal Attendant	No Specific complaint	Civil Hospital, Dimapur

## 18. Developmental Works carried out in the zoo during the year

Sl. No.	Name of Work	Grant	Status	Year of Completion
1	NIL	-	-	-

## 19. Education and Awareness programmes during the year

Sl. No	Program	Date	Participants
1	One day Regional Training, Capacity Building for Chelonian Keeper	3 <sup>rd</sup> April 2021	Animal Keepers of NZP
2	World Environment Day 2021	5 <sup>th</sup> June 2021	Students from various schools and colleges
3	Wildlife Week	2 <sup>nd</sup> to 8 <sup>th</sup> October 2021	Staff and Students.
4	Mobile Videography Competition on wildlife	1 <sup>st</sup> to 8 <sup>th</sup> October 2021	Open to All.
5	Study Tour	11 <sup>th</sup> November 2021	Forest Guard Trainees, SEFTI Dimapur
6	Veterinary College, Students Internship	20 <sup>th</sup> November 2021	Jalukie, Nagaland
7	Forestry Student Internship	23 <sup>rd</sup> November 2021	Dolphins Institute, Dehradun
8	General Public visiting Hornbill Festival	1 <sup>st</sup> to 10 <sup>th</sup> Dec 2021	NZP with TSA(India) participation in Hornbill Festival 2021
9	Awareness on Wildlife Feed Items at NZP	15 <sup>th</sup> January 2022	BJP Minority Morcha
10	Great Backyard Bird Count, e-Bird India	18 <sup>th</sup> to 21 <sup>st</sup> February 2022	Campus Bird Count, Nagaland Chapter
11	Poem and Painting Competition	6 <sup>th</sup> March 2022	School Students
12	Awareness on Conservation of Blyth's Tragopan	10 <sup>th</sup> March 2022	Beanstalk School, Lengrijan, Dimapur
13	Morning Bird Walk	12 <sup>th</sup> March 2022	Students
14	Study Tour	29 <sup>th</sup> March 2022	Forest Ranger Trainees, Coimbatore



Animal Exchange with Nawab Wajid Ali Shah Zoological Gardens, Lucknow

## 20. Important Events and happenings (Photographs)



Fig 1: Visit of Principal Secretary, Department of Environment, Forest & Climate Change, GON and Chief Wildlife Warden, Nagaland and Other Department Officials of the State.



Fig 2: Wildlife Week Celebration 2021



Fig 3: Wildlife Week 2021 Prize Distribution



Fig 4: Visit of Forest Guard Trainee Batch 2021



Fig 5: Staff Mass Social Work





Fig 6: Visit of Officials from Other States



Fig 7: Visit of Director NZP to Blyth's Tragopan Conservation & Breeding Centre, Kohima

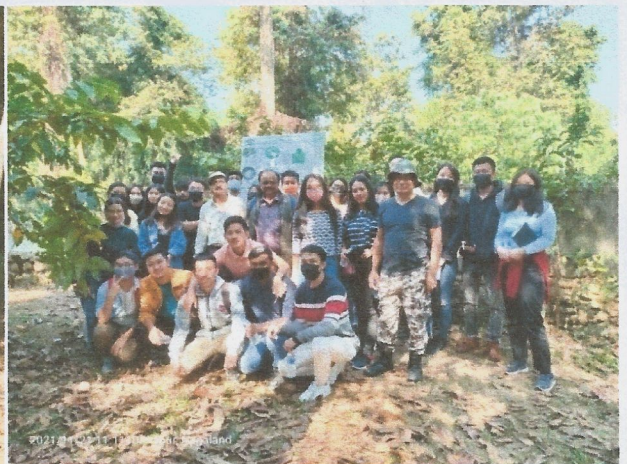
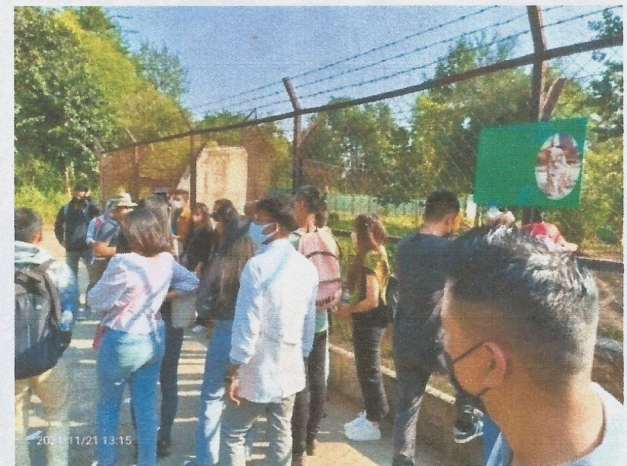
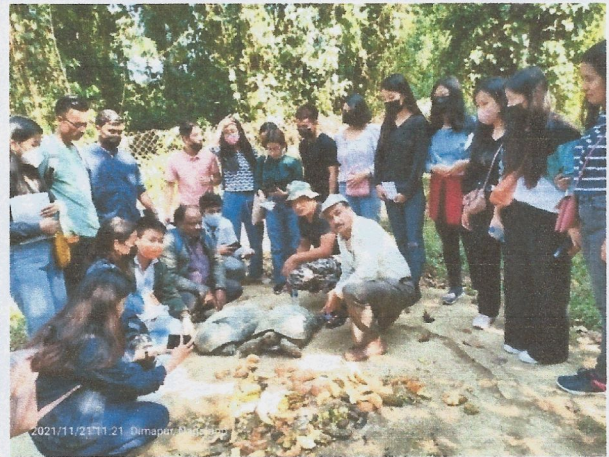


Fig 8: Visit of Veterinary College Students, Jalukie Nagaland



Fig 9: Visit of Forestry Students, Dehradun



Fig 10: Social Work carried out by NCC Tetso College, Dimapur



Fig 11: Burmese Python Rescue by NZP Team



Fig 12: NZP with TSA (India) showcasing Endangered Asian Brown Tortoise At Heritage Village, Kisama during Hornbill Festival 2021.



Fig 13: Awareness Camp for Conservation of Blyth's Tragopan



Forest Ranger Trainees from Coimbatore on Study Tour

## 21. Seasonal special arrangements for upkeep of animals

Sl.No.	Species	Upkeep	Status
1	Hornbills	Enclosure Enrichment	Completed and Utilizing
2	Wild Dog	Enclosure Enrichment	Completed and Utilizing
3	Assamese Macaque	Secondary Protection	Completed
4	Oriental Pied Hornbill	Artificial Nesting Box	Completed and Utilizing
5	Hoolock Gibbon	Enclosure Enrichment Structures	Completed and Utilizing
6	Asian Black Bear	Enclosure Enrichment Structures and Shelter	Completed
7	Burmese Python	Strengthening of exhibit closures	Completed



Asian Giant Tortoise in the zoo

## 22. Research Work carried out and publications

1. "A Survey on Butterflies of Nagaland Zoological Park" by Shri. P. Thirumalainathan, Zoo Biologist (*Unpublished*)
2. "Free-Ranging Birds of Nagaland Zoological Park" by Shri. OnenjungshiAo, Photographer.
3. "A Study on Incubation Methods of Asian Giant Tortoise" by Shri. Vinoto K. Rochill, Forester-I (*Unpublished*)

## 23. Conservation breeding programme of the Zoo

Sl.No.	Species	Status
1	Conservation Breeding of Burmese Tortoise in collaboration with Turtle Survival Alliance - India	Successfully hatched, Release of First 10 Individuals with Tags by December 2022 under process.
2	In-house breeding programme for Oriental Pied Hornbills.	Successful nesting and hatching during the year. Upkeeping of fledglings undertaken for survival.
3	Conservation Breeding of Blyth's Tragopan under CZA	Successful nesting and hatching.

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

A. Animals arriving in the Zoo					
Sl. No.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
1	Gharial	1:3	Nawab Wajid Ali Shah Zoological Gardens, Lucknow	14 <sup>th</sup> March 2022	
2	Hog Deer	1:1	-do-	-do-	
B. Animals going from the Zoo					
Sl. No.	Species	Number (M:F)	Going to which Zoo	Date of arrival in the zoo	
1	Asian Black Bear	1:1	Nawab Wajid Ali Shah Zoological Gardens, Lucknow	14 <sup>th</sup> March 2022	
2	Slow Loris	1:2	-do-	-do-	
3	Leopard Cat	1:1	-do-	-do-	

## 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	15.08.2021	Himalayan Black Bear 0:2:0:2	Kohima Nagaland	01.12.2021	24.11.2021	Loss of Habitat
2	17.09.2021	Himalayan Black Bear 0:2:0:2	Mokokchung Nagaland	01.12.2021	17.11.2021	Loss of Habitat
3	21.09.2021	Slow Loris 0:0:1:1	Rilan, Dimapur	01.12.2021	28.11.2021	Loss of Habitat
4	28.09.2021	Slow Loris 0:0:1:1	Rilan, Dimapur	01.12.2021	28.11.2021	Loss of Habitat
5	01.10.2021	Burmese Python 0:0:1:1	Aoyimkum, Dimapur	01.12.2021	15.11.2021	Loss of Habitat
6	28.11.2021	Peacock softshell turtle 0:0:1:1	Peren, Nagaland	01.12.2021	07.11.2021	Loss of Habitat

## 26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part - A

Inventory Report for the year: 2021-22

### Endangered Species

Mammals	-	Species – 5	Specimens	-	12
Birds	-	Species – 0	Specimens	-	0
Reptiles	-	Species – 4	Specimens	-	95
<b>Total</b>	-	<b>Species – 9</b>			<b>107</b>

Part – B

### Other than Endangered Species

Mammals	-	Species – 15	Specimens	-	139
Birds	-	Species – 12	Specimens	-	51
Reptiles	-	Species – 8	Specimens	-	55
<b>Total</b>	-	<b>Species – 35</b>			<b>245</b>

*C. B. B. B.*  
Director  
Nagaland Zoological Park  
Rangapahar : Nagaland



## 27. Mortality of animals

Mortality of animals and birds during the year 2021-22

Sl.No.	Species name	M	F	J	Un	Total	DATE OF DEATH	AGE CLASS
1	Dhole		1			1	07.04.2021	Adult
2	Asian Black Tortoise			1		1	15.04.2021	Juvenile
3	Asian Black Tortoise			1		1	15.04.2021	Juvenile
4	Asian Black Tortoise			1		1	20.04.2021	Juvenile
5	Asian Black Tortoise			1		1	27.04.2021	Juvenile
6	Asian Black Tortoise			1		1	27.04.2021	Juvenile
7	Asian Black Tortoise			1		1	27.04.2021	Juvenile
8	Asian Black Tortoise			1		1	27.04.2021	Juvenile
9	Asian Black Tortoise			1		1	05.05.2021	Juvenile
10	Asian Black Tortoise			1		1	14.05.2021	Juvenile
11	Asian Black Tortoise			1		1	21.05.2021	Juvenile
12	Emu	1				1	19.05.2021	Adult
13	Emu		1			1	20.06.2021	Adult
14	Asian Black Bear	1				1	09.04.2021	Adult
15	Asian Black Bear		1			1	01.07.2021	Adult
16	Asian Black Bear	1				1	30.07.2021	Adult
	<b>TOTAL</b>	3	3	10		16		

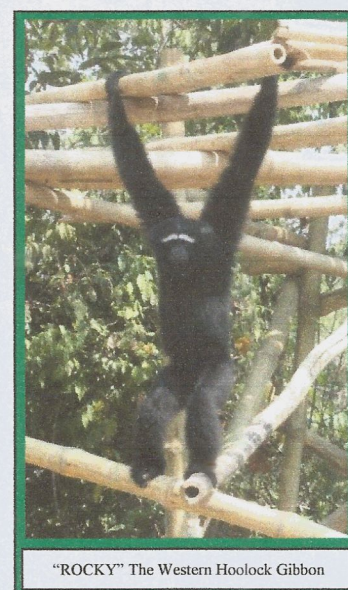
## 28. Status of the Compliance with conditions stipulated by the Central Zoo Authority

The Zoo has been recognized as a medium zoo by the Central Zoo Authority, New Delhi upto August 2019. All efforts and attempts are being made to comply with the stipulated conditions for continuation of recognition of the zoo. The zoo is continuously working towards the development of infrastructures and facilities within the zoo for the captive wildlife, visitors and zoo personnel.

History Card of captive wildlife species, where mandatory, is being maintained. Pairing of single sexed captive wildlife is being initiated on priority and few captive wildlife has been successfully paired through the animal exchange programme.

Priority is being accorded to follow de-worming schedule and vaccination schedule of all captive wildlife. Routine mandatory health check-up for the staff is being conducted through the assistance from the District Hospital authorities of Dimapur.

In-house conservation breeding programme is being taken up for the selected species and potential conservation breeding programme for funding through Central Zoo Authority has been identified.

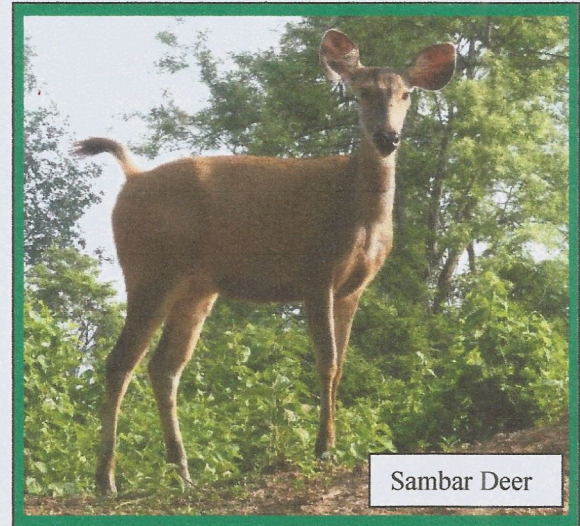
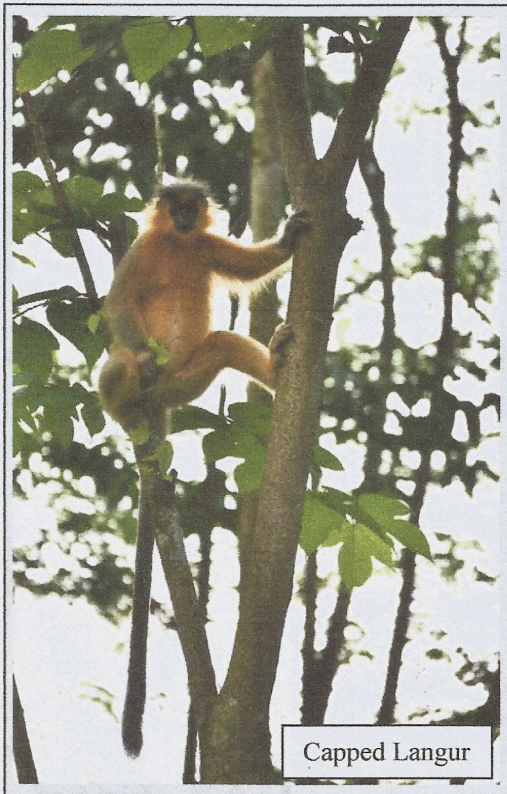
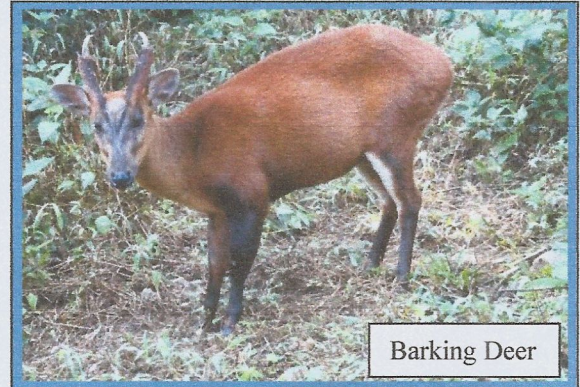
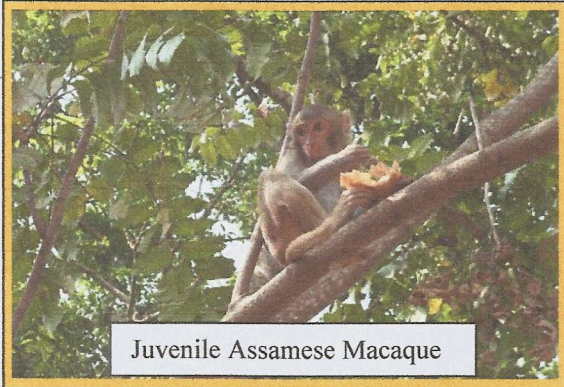


"ROCKY" The Western Hoolock Gibbon

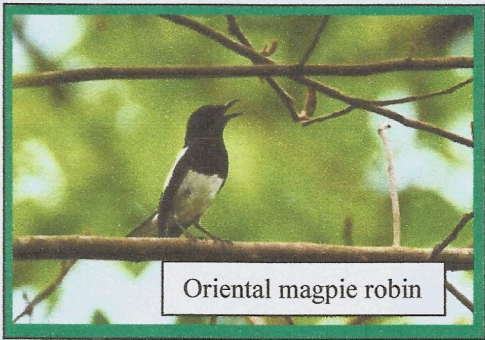
## 29. List of free living wild animals within the zoo premises

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### Free Living Mammals



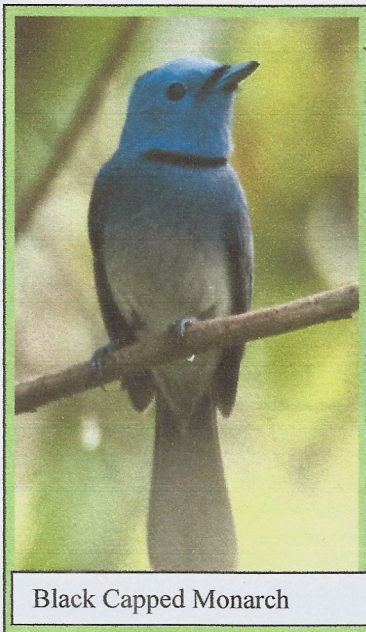
# Free Living Birds



Oriental magpie robin



Dro ngo



Black Capped Monarch



Dollar bird



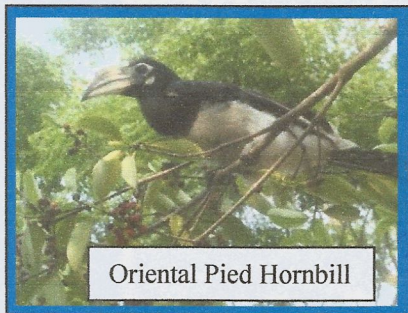
Common emerald dove



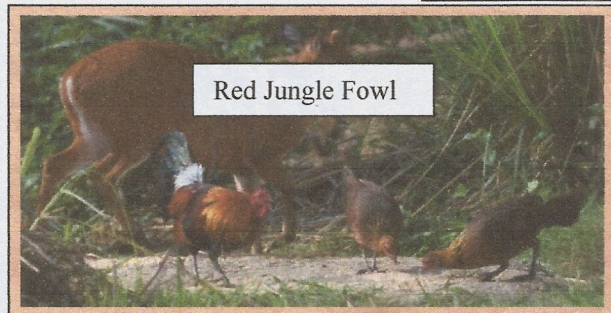
Blue throated Barbet



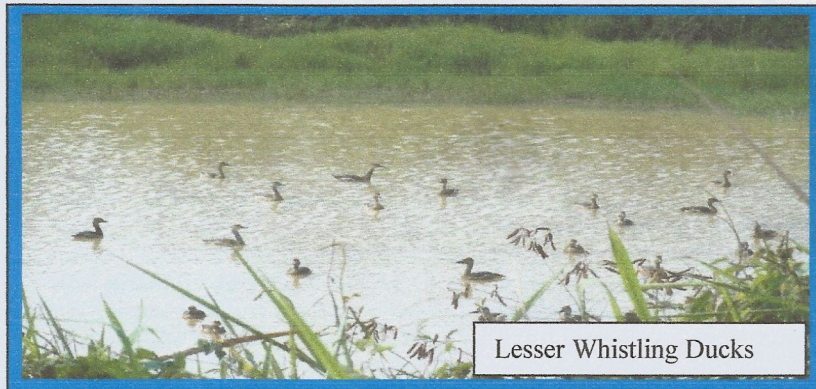
White browed scimitar



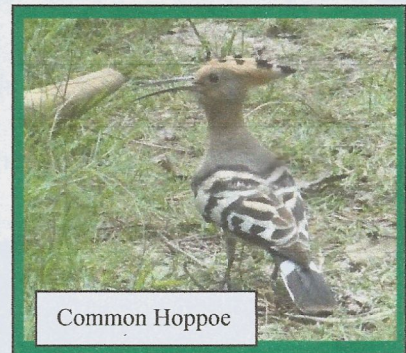
Oriental Pied Hornbill



Red Jungle Fowl

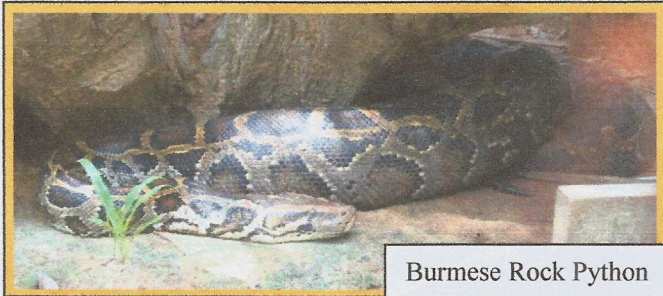


Lesser Whistling Ducks



Common Hoppoe

# Free Living Reptiles



Burmese Rock Python



Tokay Gecko

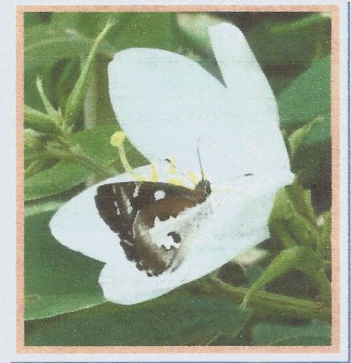
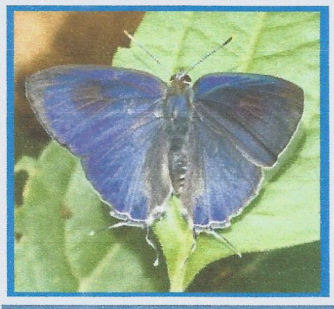
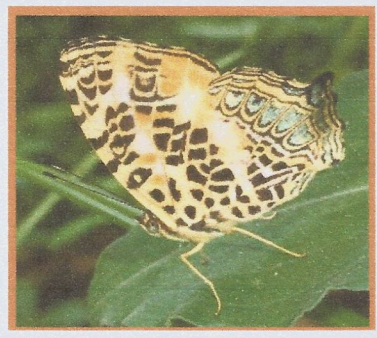
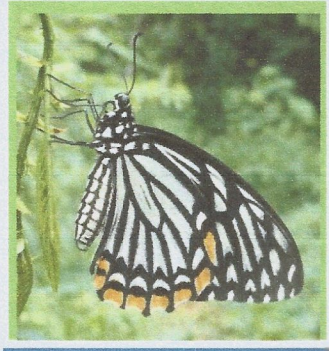
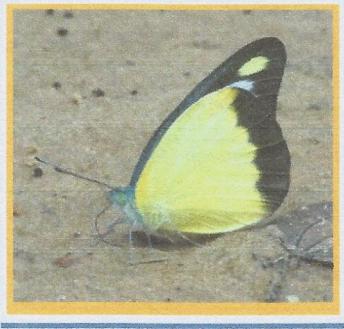
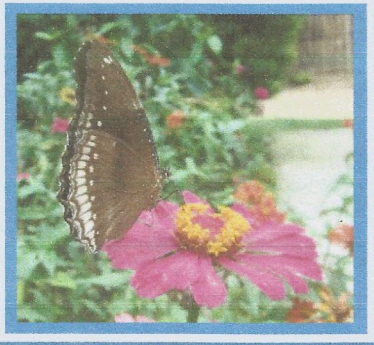


Monitor lizard



Checkered Keeled Back

Some Butterflies from "Butterfly Garden"



### Free Living Mammals

1	Sambar Deer	<i>Cervus unicolor</i>
2	Golden Jackal	<i>Canis aureus</i>
3	Barking Deer	<i>Muntiacus muntjak</i>
4	Assamese Macaque	<i>Macaca assamensis</i>

### Free Living Reptiles

1	Common Sand Boa	<i>Erycinae</i>
2	Monitor Lizard	<i>Varanus bengalensis</i>
3	Burmese Rock Python	<i>Python molurus bivittatus</i>
4	Burmese Tortoise	<i>Manouria emys</i>
5	Tokay Gecko	<i>Gekko gekko</i>

### Insects

1	Butterflies	200 Plus Species and counting.
---	-------------	--------------------------------

### Free Living Birds

1	Common Lora	<i>Aegithina tiphia</i>
2	Abbots Babbler	<i>Malacocinla abbotti</i>
3	White bellied Blue Flycatcher	<i>Cyornis pallipes</i>
4	Black Baza	<i>Avicedaleuphotes</i>
5	Common Emerald Dove	<i>Chalcophaps</i>
6	White Rumped Munia	<i>Lonchura striata</i>
7	Blue Throated Barbet	<i>Megalaima asiatica</i>
8	Ashy Wood Swallow	<i>Artamus fuscus</i>
9	Rufous Treepie	<i>Dendrocitta vagabunda</i>
10	Green Billed Malkoha	<i>Phaenicochaetus</i>
11	White Breasted Waterhen	<i>Amaurornis phoenicurus</i>
12	Lesser Whistling Teal	<i>Dendrocygna javanica</i>
13	Red Vented Bulbul	<i>Pycnonotus bafer</i>

14	Black Crested Bulbul	<i>Pycnonotus melanicterus</i>
15	Tailor Bird	<i>Orthotomus sutorius</i>
16	Dollar Bird	<i>Eurystomus orientalis</i>
17	Scarlet Backed Flower Pecker	<i>Dicaeum cruentatum</i>
18	Black Drongo	<i>Dicrurus macrocercus</i>
19	Oriental Magpie Robin	<i>Copsychus saularis</i>
20	Red jungle Fowl	<i>Gallus gallus</i>
21	Spangled Drongo	<i>Dicrurus hottentottus</i>
22	Common Hoppoe	<i>Upupa epops</i>
23	Long Tailed Shrike	<i>Lanius schach</i>
24	Indian Scimitar Babbler	<i>Pomatorhinus erythrogenys</i>
25	Black Naped Monarch	<i>Hypothymis azurea</i>
26	Greater Necklaced Laughing Thrush	<i>Garrulax pectoralis</i>
27	Common Myna	<i>Acridotheres tristis</i>
28	Greater Coucal	<i>Centropus sinensis</i>
29	Asian Barred Owlet	<i>Glaucidium cuculoides</i>
30	Chestnut Tailed Starling	<i>Sturnus malabaricus</i>
31	Spot Winged Starling	<i>Saraglossa piloptera</i>
32	Forest Wagtail	<i>Dendronanthus indicus</i>
33	Indian Roller	<i>Coracias benghalensis</i>
34	White Throated Kingfisher	<i>Halcyon smyrnensis</i>
35	Common Kingfisher	<i>Alcedo</i>
36	Spotted Dove	<i>Spilopelia chinensis</i>
37	Little Spider hunter	<i>Arachnothera longirostra</i>
38	Lesser Coucal	<i>Centropus bengalensis</i>
39	Pompadour Green Pigeon	<i>Treron sphenura</i>
40	Vertider Flycatcher	<i>Eumyias thalassina</i>
41	White Throated Fantail	<i>Rhipidura albicollis</i>
42	Barn Swallow	<i>Hirundo rustica</i>
43	Eurasian Tree Sparrow	<i>Passer montanus</i>
44	Great Tit	<i>Parus major</i>
45	Small Niltava	<i>Niltava macgrigoriae</i>
46	Brown Shrike	<i>Lanius cristatus</i>
47	White Wagtail	<i>Dendronanthus indicus</i>




**Thank You**


*Do Visit Us*


*For Information, Visit Us at:*

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Director  
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