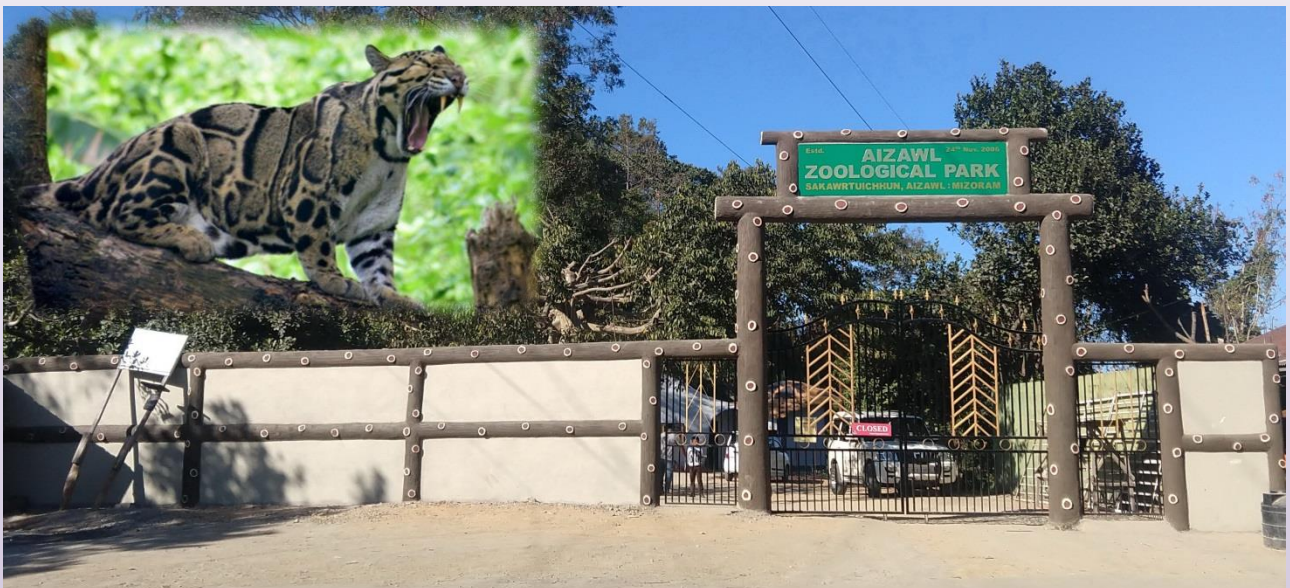




AIZAWL ZOOLOGICAL PARK



ANNUAL REPORT 2018-19

1. REPORT OF THE OFFICER -IN-CHARGE

Aizawl Zoological Park is remains one of the few hilly zoos in the country. With its distinct vegetation and diverse biodiversity , it continues to remains one of the major attraction for people of all class and societies within the State and abroad.



The Zoo continues to strive for excellent and has made great progress towards the upkeep , maintenance and modernization in trend with the latest technique and methodology followed in the country today. I would like to extend my sincere gratitude to the Government of Mizoram for their keen interest and support in developing the zoo.

Few of the various project funded by the State Government include the blacktopping of the internal road of the zoo which has given a new life to the zoo in terms of maintenance and upkeep of the enclosures and animals and is also major factor for the increase in visitors to the zoo.

Despite being a fairly new establishment as compared to other well established and older zoos, it is pertinent to mention that Aizawl Zoological Park has managed to become a donor to other zoos under the Animal Exchange Programme of the Central Zoo Authority. Aizawl Zoological Park donated a pair of zoo bred Wild Dog, a pair of zoo bred Assamese macaque and one female Himalayan Black Bear during the year 2018-19.

I would like to take this opportunity to express my heartfelt gratitude to the Government of Mizoram for their continued support and generosity towards wildlife conservation. I am sanguine that the combined effort will certainly result in Aizawl Zoological Park developing into one of the best Zoological Park in the Country.

I would also like to take this opportunity to express my heartfelt gratitude to the Central Zoo Authority and the Govt. of Mizoram for their generosity in granting a considerable amount of fund for the development of **Aizawl Zoological Park**. I thank the Principal Chief Conservator of Forests, the Chief Wildlife Warden, for their guidance and constant encouragement, staffs of Aizawl Zoological Park for their cooperation, hard work and sincere efforts.

This Annual Report includes :

- A brief description about the history of the Aizawl Zoological Park, its location, landscape and vegetation and some of its main attraction.
- A brief vision of Aizawl Zoological park as well its Mission, objectives and detailed information about the zoo.
- Information about the statement of expenditure and income of the zoo during 2018-19.
- Information about day to day administration of the zoo, various schedules of the zoo as well as the various developmental works carried out in the zoo during the year 2018-19.
- Information about the various educational and awareness programmes, important events, research works and breeding programmes etc. of the zoo.
- Annual Inventory report of Aizawl Zoological Park for the year 2018-19.
- Compliance with conditions stipulated by Central Zoo Authority and various challenges as well as achievements of the Aizawl Zoological Park.



H.LIANMAWIA

Director

Aizawl Zoological Park
Mizoram, Aizawl



2. **HISTORY OF THE ZOO :-** Aizawl Zoological Park is located 14Kms away from the State Capital Aizawl and at a walking distance by the side of Aizawl-Sairang road NH 54 and was inaugurated officially on 24th November 2006. The Zoo is spread over an area of **65 ha** on a natural hilly landscape with soothing green vegetation and other natural features. In fact the natural surroundings in the Zoo provide a congenial habitat for the inmates to live in harmony with nature. The entire area of the Zoo is connected with a network of well-developed pathways having suitable numbers of public conveniences at appropriate locations. Most of the animals are kept in open air moated enclosures. The main attraction of the Zoo is Hoolock gibbon along with rare and endangered Clouded leopard, Himalayan Black Bear, Wild dog, Serow, Oriental Pied Hornbill and several other species of animals which are rarely found elsewhere in the country.

3. **VISION :**
- 1) *To provide necessary health care, hygienic food in sufficient quantity and a high quality of housing and display.*
 - 2) *To develop self-sustainable and genetically viable population of endangered species of animals, to be utilized as gene pool for long term wildlife conservation.*
 - 3) *Promoting wildlife education and awareness through proper display of animals in their near natural habitat, through properly designed exhibits signage and interpretation centre, field tours, film and slide shows etc.*
 - 4) *To facilitate research on wildlife conservation.*

4. **MISSION :** The Mission of Aizawl Zoological Park is to create environment of Ex-situ conservation awareness to encourage people to develop a caring attitude towards flora and fauna; to serve as a dynamic nature conservation Centre by promoting breeding programmes for rare and endangered species of Mizoram and to offer public service, recreation, education and research.

- 5. OBJECTIVE :**
- 1) Conservation breeding of endangered wild animal species available within geographical range of distribution, necessary exchange with other Zoological Parks.
 - 2) Scientific research on animal behavior, diseases and their control, feed and nutrition and reproductive biology. The data so recorded will be made use in management of animals in the wild.
 - 3) Promote conservation education, awareness and interpretation for/to The public in general and younger generation in particular.
 - 4) Creation as hill bird collection center to accommodate good stock of Varied species of aviary population in the hill region of northeast.
 - 5) Rehabilitation of orphaned or rescued endangered species in the wild.
 - 6) Providing recreation for Zoo Visitors.



6. ABOUT US : Basic Information about the Zoo

Sl/No	Particulars of the Zoo	Information	
1	Name of the Zoo	Aizawl Zoological Park	
2	Year of Establishment	24.11.2006	
3	Address of the Zoo	Sakawrtuichhun, Aizawl, Mizoram	
4	State	Mizoram	
5	Telephone Number	0389-2336679	
6	Fax Number	0389-2336041	
7	E-mail address	dcfwazl@yahoo.co.in	
8	Website	https://forest.mizoram.gov.in	
9	Distance from nearest	Airport	Lengpui Airport 15 Kms
		Railway Station	Silchar 160 Kms
		Bus Stand	Aizawl 15 Kms
10	Recognition Valid upto (Date)	Upto 22.03.2019 vide No. F.No19-23/92-CZA (191)(Vol.IX)(NS)/2932/2018 (A) dt. 18.04.2018	
11	Category of Zoo	Small Category Zoo	
12	Area (in Hectares)	65 ha	
13	Number of Visitors (Financial Year)	Adult	17901 (above 10 yrs)
		Children	6136 (below 10 yrs)
		Total Indian	24037
		Total Foreigners	122
	Total Visitors	24159	
14	Visitors' Facilities Available in Zoo	1. Visitor RestSheds 2. Visitor Toilets 3. Urinals 4. Resting Places 5. Permanent benches provided at suitable intervals along visitor's path. 6. Drinking Water Point 7. Visitor guides	
15	Weekly Closure Day of the Zoo	Every Monday	

Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Shri. H. Lianmawia, IFS Dy. Conservator of Forests (Wildlife) Cum Director, Aizawl Zoological Park
17	Name of the Veterinary Officer	Dr. John Lalhnuna, Veterinary Assistant Surgeon
18	Name of the Curator	Shri. Lalrinlana, MFS
19	Name of the Biologist	No Biologist posted till date.
20	Name of the Education Officer	Nil
21	Name of the Compounder / Lab Assistant	Mr. Lalchhuanawma, Vety Field Assistant
Owner / Operator of the Zoo		
22	*Name of the Operator	Secretary to the Government of Mizoram Environment, Forest & Climate Change Department. Government of Mizoram, Aizawl
23	Address of the Operator	PCCF Office, Tuikhuahtlang, Aizawl Mizoram Pin - 796 001
24	Contact details/Phone number of Operator	Phone No. 0389-2325727 Fax No. 0389-2316679
25	E-mail address of Operator	pccfaizawlmizoram@gmail.com

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

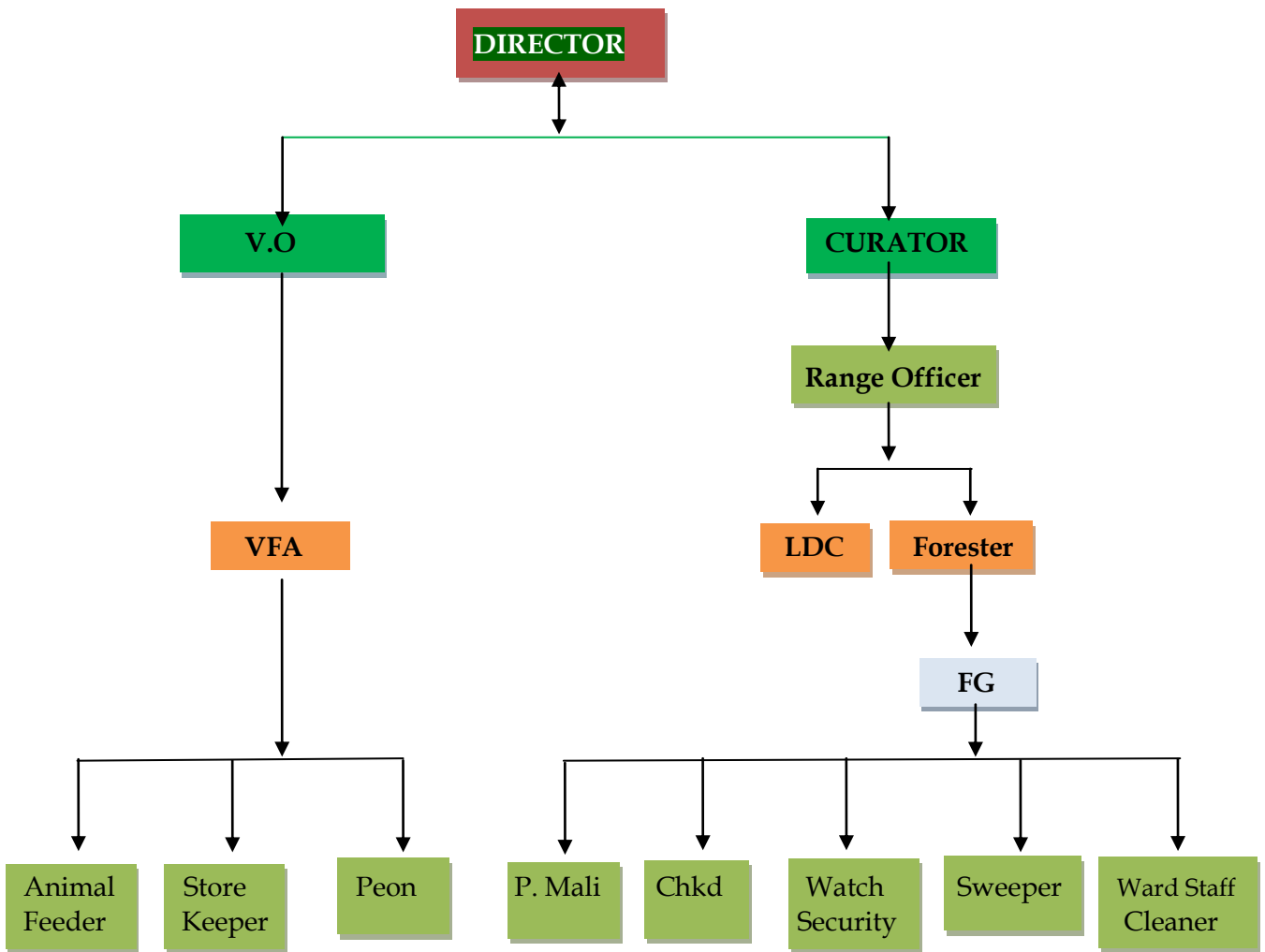
"Zoo Operator" means the person who has ultimate control over the affairs of the zoos provided that _____

- 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.



Zoo Documentary Film prepared by DDK, Aizawl

7. ORGANIZATIONAL CHART



8. HUMAN RESOURCES

Manpower of the Zoo*as on 31.03.2019

Sl. No.	Designation	No of staff	Number of Sanctioned Posts	Names of the incumbent
1	Director <i>cum</i> DCF	1	1	Shri. H. Lianmawia, IFS
2	Curator	1	1	Shri. Lalrinliana, MFS
3	Veterinary Officer	-	1	Dr. John Lalhnuna
4	Forest Ranger	1	1	Shri. C. Chawngghmingliana
5	Forester	1	-	Mr. Immanuela
6	Veterinary Field Assistant	1	1	Mr. Lalchhuanawma
7	Forest Guard	5	-	1) Mr. Lalduhkima
				2) Mr. P.C. Lalrothanga
				3) Mr. C. Kapmawia
				4) Mr. Vanlalchhuanliana
				5) Mrs. Lalfamkimi
8	Office Peon	1	-	Mrs. Lalsawikimi
9	Chowkider	1	-	Mr. Vanlalpeka
10	LDC (M/R) Skilled -II	1	1	Mr. K. Zoremsiama
11	Store Keeper Skilled - II (M/R)	1	1	Mr. LalchhandamaSailo
12	Animal Feeder (M/R) Unskilled	4	4	1) Mr. F. Lalrinsanga
				2) Mr. Lalramsanga
				3) Mr. Pachhunga
				4) Mr. Khawpuimawi
13	Watch/Security (M/R)(Unskilled)	4	4	1) Mr. L.H. Rosangliana
				2) Mr. Vanlaldika
				3) Mr. K. Lalnuntluanga
				4) Mr. R. Lalnunhlina
12	Ward Staff/Cleaner (M/R)(Unskilled)	4	4	1) Mr. C. Lalhunzauva
				2) Mr. Lalfakawma
				3) Mr. GosuanmungKullai
				4) Mr. Zoramchuana
13	Plantation Mali (M/R) (Unskilled)	3	3	1) Mrs. Darropuii
				2) Mr. Vanlalhuaia
				3) Mrs. Vanlawmi
14	Chowkider (M/R) (Unskilled)	1	1	Mrs. Lalpianpuii
15	Forest Guard (M/R) (Unskilled)	1	1	Mr. T. Lalfakzuala

*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 PERSONEL DURING 2018-19

Sl/No	Name & Designation of the Zoo personal	Subject matter of training	Period of training	Name of the Institution where the training attended
1	Mr. C.Chawngmingliana <i>Range Officer</i>	Training of Zoo Keepers of the North Eastern Region	04-08.02.2019	Manipur Forest Training School, Imphal
2	Mr. C.Chawngmingliana <i>Range Officer</i>	Middle Management Officials Training working in Indian Zoo	15-17.03.2019	Organized by CZA at New Delhi
3	Dr. John Lalhnuna, <i>Veterinary Officer</i>	Animal Resources of Mizoram, its Conservation and Breeding	22.03.2019	College of Veterinary Science & A.H, CAU Selesih, Mizoram
4	Mr. Immanuela, <i>Forester</i>	Training of Zoo Keepers of the North Eastern Region	04-08.02.2019	Manipur Forest Training School, Imphal
5	Mr. Lalchhuanawma, <i>Vety Field Assistant</i>	Post-mortem Examination, Sample Collection and Dispatch of Clinical Samples for Disease Diagnosis in Livestock.	18-19.03.2019	College of Veterinary Science & A.H, CAU Selesih, Mizoram

10. ZOO ADVISORY COMMITTEE : *Not yet constituted by State Government.*

11. HEALTH ADVISORY COMMITTEE : *Constituted vide No. B.12015/2/2009-FST dt.7.7.2017.*

Members :-

- | | |
|--|--------------------|
| 1) Principal Chief Conservator of Forests (Wildlife)/
Chief Wildlife Warden | - Chairman |
| 2) Deputy Conservator of Forests (WL) | - Member Secretary |
| 3) Director, Animal Husbandry & Veterinary | - Member |
| 4) Veterinary Officer, Aizawl Zoological Park | - Member |
| 5) Curator, Aizawl Zoological Park | - Member |
| 6) Representative of Central Agriculture University, Selesih | - Member |
| 7) Representative of Animal Welfare Board | - Member |
| 8) Representative of Central YMA | - Member |

12. STATEMENT OF INCOME & EXPENDITURE OF THE ZOO DURING 2018-19

a) Income during 2018-19

Sl/No	Source of Income	Total Amount
1	Revenue Receipt	Rs. 3,29,845.00
2	Government of Mizoram	Rs. 1,86,89,754.00
GRAND TOTAL :-		Rs. 1,90,19,599.00

b) Details of expenditures during 2018-19

Sl/No	Particulars	Total Amount
1	Zo Feed Bill	Rs. 38,15,995.00
2	Zoo Establishment	Rs. 69,69,028.00
3	Animal Treatment & Medicines	Rs. 1,07,731.00
4	Zoo Development works	Rs. 76,97,000.00 (Details in Sl. No. 18)
5	Zoo Vehicle Repairing Bill	Rs. 1,00,000.00
GRAND TOTAL :-		Rs. 186,89,754.00

13. DAILY FEED SCHEDULE OF ANIMALS :-

Sl. No	Name of Species	Feed item	Quantity (Winter & Summer)	Day of fasting
1	2	3	4	5
1.	Khalij Pheasant	1) Ground Nut	100 gm	Nil
		2) Pineapple	50 gm	Nil
		3) Chicken Con Feed	50 gm	Nil
		4) Castanopsis Nut	50 gm	Nil
		5) Green leaf Veg	50 gm	Nil
		6) Dal	50 gm	Nil
2	Hume Pheasant	1) Ground Nut	100 gm	Nil
		2) Pineapple	50 gm	Nil
		3) Chicken Con Feed	50 gm	Nil
		4) Castanopsis Nut	50 gm	Nil
		5) Dal	50 gm	Nil
3	Parakeet	1) Pineapple	25 gm	Nil
		2) Rice grain	20 gm	Nil
		3) Green leaf Veg	50 gm	Nil
		4) Banana	300 gm	Nil
4	Red Jungle Fowl	1) Chicken Con Feed	120 gm	Nil
		2) Rice grain	50 gm	Nil
		3) Green leaf Veg.	50 gm	Nil
5	Oriental Pied Horn Bill	1) Apple	50 gm	Nil
		2) Banana	250 gm	Nil
		3) Papaya	100 gm	Nil
		4) Tomato	50 gm	Nil
6	Himalayan Griffon	1) Beef	500 gm /alternate day	Sun,Tue, Fri
		2) Fish	100 gm	Nil
7	Capped Langur	1) Ground Nut	100 gm	Nil
		2) Papaya	200 gm	Nil
		3) Pineapple	200 gm	Nil
		4) Carrot	200 gm	Nil
		5) Bread	¼ no	Nil
		6) Banana	400 gm	Nil
		7) Tomato	100 gm	Nil
8	Hoolock gibbon	Apple	50 gm	Nil
		Carrot	200 gm	Nil
		Pineapple	200 gm	Nil
		Bread	½ no	Nil
		Eggs	1 no.	Nil
		Green leaf Veg	150 gm	Nil
		Banana	300 gm	Nil
Tomato	100 gm	Nil		

9	Rhesus macaque	Pineapple	100 gm	Nil
		Bread	¼ no	Nil
		Green leaf Veg	250 gm	Nil
		Pumpkin	150 gm	Nil
		Gram	150 gm	Nil
		Banana	200 gm	Nil
10	Assamese macaque	Pineapple	100 gm	Nil
		Bread	¼ no	Nil
		Green leaf Veg	250 gm	Nil
		Pumpkin	150 gm	Nil
		Gram	150 gm	Nil
		Banana	200 gm	Nil
11	Stump tailed macaque	Pineapple	100 gm	Nil
		Bread	¼ no	Nil
		Green leaf Veg	250 gm	Nil
		Pumpkin	150 gm	Nil
		Gram	150 gm	Nil
		Banana	300 gm	Nil
12	Pigtail macaque	Pineapple	100 gm	Nil
		Bread	¼ no	Nil
		Green leaf Veg	250 gm	Nil
		Gram	150 gm	Nil
		Pumpkin	150 gm	Nil
		Banana	300 gm	Nil
13	Binturong	Papaya	500 gm	Nil
		Banana	300 gm	Nil
		Eggs	1 / alternate day	Sun,Tue,Fri
		Green leaf Veg	50 gm	Nil
14	Python	Chicken	1.50 Kg/a week	Mon-Sat
15	Clouded leopard	Chicken	1.00 Kg/six days in a week	Sunday
		Beef	500 gm/ six days in a week	Sunday
16	Wild dog	Chicken	500 gm/ six days in a week	Monday
		Beef	275 gm /six days in a week	Monday
17	Golden Cat	Chicken	500 gm/ six days in a week	Tuesday
18	Jungle cat	Chicken	400 gm six days in a week	Sunday
19	Jackal	Chicken	800 gm six days in a week	Sunday
		Beef	250 gm/ six days in a week	Monday
20	Himalayan Black Bear	Sugarcane	500 gm	Nil
		Bread	1 no	Nil
		Atta	250 g	Nil
		Gur	100 gm	Nil
		Pumpkin	500 gm	Nil
		Gram	500 gm	Nil
		Banana	300 gm	Nil
		Tomato	100 gm	Nil
		Wheat bran	500 gm	Nil
		Cabbage	200 gm	Nil

21	Cobra	Day Old Chicken	1 no / week	Mon-Sat
		Eggs	1no / week	Mon-Sat
22	Sambar	Emblica	200 gm	Nil
		Common Salt	50 gm	Nil
		Green leaf Veg	200 gm	Nil
		Green Fodder	10.00 kgs	Nil
		Gram	500 gm	Nil
		Wheat bran	500 gm	Nil
23	Barking Deer	Emblica	50 gm	Nil
		Common Salt	50 gm	Nil
		Green leaf Veg	200 gm	Nil
		Green Fodder	4.00 kgs	Nil
		Wheat bran	250 gm	Nil
24	Serow	Carrot	100 gm	Nil
		Common Salt	50 gm	Nil
		Tapioca	900 gm	Nil
		Green leaf Veg	200 gm	Nil
		Green Fodder	5.00 kgs	Nil
		Pumpkin	250 gm	Nil
		Gram	200 gm	Nil
		Wheat bran	500 gm	Nil
25	Porcupine	Pineapple	100 gm	Nil
		Potato	200 gm	Nil
		Green leaf Veg	250 gm	Nil
		Gram	250 gm	Nil
		Banana	200 gm	Nil
26	Wild Pig	Potato	200 gm	Nil
		Green leaf Veg	500 gm	Nil
		Pumpkin	250 gm	Nil
		Rice	500 gm	Nil
		Pig con feed	1.50 kgs	Nil
		Cabbage	250 gm	Nil
27	Goral	Common Salt	50 gm	Nil
		Green leaf Veg	500 gm	Nil
		Green Fodder	4.00 kgs	Nil
		Gram	200 gm	Nil
		Wheat bran	300 gm	Nil
28	Tortoise	Green leaf Veg	300 gm	Nil
		Pumpkin	100 gm	Nil
		Cabbage	100 gm	Nil

14. VACCINATION SCHEDULE OF ANIMALS

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Wild dog	Rabies	Raksharab 1ml/Sc ling	Once in three years	
2	Jackal	Rabies	Raksharab 1ml/Sc ling	Once in three years	

15. DE-WORMING SCHEDULE OF ANIMALS

Sl.No.	Species	Drug used	Month
1	Wild pig	Fenbendazole, Albendazole	March, August & October
2	Wild dog	Fenbendazole	March, August & October
3	Stum tailed macaque	Albendazole	March, August & October
4	Serow	Albendazole	March, August & October
5	Rhesus macaque	Albendazole	March, August & October
6	Sambar Deer	Albendazole	March, August & October
7	Pig tailed macaque	Albendazole	March, August & October
8	Himalayan black bear	Fenbendazole, Albendazole	March, August & October
9	Assamese macaque	Albendazole	March, August & October
10	Barking Deer	Albendazole	March, August & October
11	Capped langur	Albendazole	March, August & October
12	Goral	Albendazole	March, August & October
13	Hoolock gibbon	Albendazole	March, August & October
14	Jungle cat	Praziquantel, pyrantelpamoate	March, August & October
15	Leopard cat	Praziquantel, pyrantelpamoate	March, August & October
16	Golden cat	Praziquantel, pyrantelpamoate	March, August & October
17	Clouded leopard	Praziquantel, pyrantelpamoate	March, August & October
18	Wild dog	Praziquantel, pyrantelpamoate, Fenbendazole	March, August & October
19	Jackal	Praziquantel, pyrantelpamoate, Fenbendazole	March, August & October
20	Himalayan Griffon	Albendazole	March, August & October
21	Binturong	Praziquantel, pyrantelpamoate	March, August & October
22	Hume Pheasant	Albendazole	March, August & October
23	Khalij Pheasant	Albendazole	March, August & October
24	Oriental Pied Hornbill	Albendazole	March, August & October
25	Porcupine	Albendazole	March, August & October
26	Red Jungle Fowl	Albenazole	March, August & October



16. DISINFECTION SCHEDULE

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Assamese macaque	Open	Chlorinated compound and detergent- Regular cleaning of night house and feeding area. Blow torch for enclosure	1) Once in a week 2) Depending on requirement.
2	Barking Deer			
3	Bintorung			
4	Capped langur			
5	Clouded leopard			
6	Golden cat			
7	Goral			
8	Himalayan black bear			
9	Hoolock gibbon			
10	Jackal			
11	Jungle Cat			
12	Pig tailed macaque			
13	Rhesus macaque			
14	Serow			
15	Stump tailed macaque			
16	Wild dog			
17	Wild pig			
18	Samber deer			
19	Himalayan black bear			
20	Hume pheasant	Aviary	Blow lamp as per requirement	As per requirement
21	Khalij pheasant			
22	Parakeet			
23	Red jungle fowl			
24	Oriental Pied Hornbill	Closed	Chlorinated compound, Detergent, Blow lamp	As per requirement
26	Leopard cat			
27	Porcupine			
28	Slow loris			



17. HEALTH CHECK -UP OF EMPLOYEES FOR ZOOONOTIC DISEASES :

Health check-up for all Zoo staff conducted at Civil Hospital, Aizawl on 16.07.2018 for Zoonotic disease for the year 2018-19.

18. DEVELOPMENT WORKS CARRIED OUT IN THE ZOO DURING THE YEAR 2018-19

Sl/ No	Name of Items	Expenditure (Rs in lakh)	
		CZA Fund	State Fund
1	Black Topping of Internal Road at Aizawl Zoological Park	-	28.00
2	Brick Wall fencing at Aizawl Zoological Park	-	12.00
3	Construction of Visitor Screening in the back side of Himalayan Black Bear Enclosure	-	0.437
4	Construction of Visitor Screening in the back side of Binturong Enclosure	-	0.437
5	Construction of Visitor Screening in the back side of Clouded Leopard Enclosure	-	0.437
6	Construction of Visitor Screening in the back side of Serow Enclosure	-	0.437
7	Construction of Kraal for Clouded Leopard Enclosure	-	1.681
8	Construction of visitor Pathway between Barking Deer and Samber Deer Enclosure	-	12.62
9	Construction of Fountain (<i>Water body</i>) in paddock area for Clouded Leopard Enclosure at Aizawl Zoological Park	-	0.0866
10	Construction of Fountain (<i>Water body</i>) in paddock area for Capped langur Enclosure	-	0.0866
11	Construction of Fountain (<i>Water body</i>) in paddock area for Himalayan Black Bear Enclosure	-	0.0866
12	Construction of Proper Shade for visitor galleries	-	0.603
13	Construction of Visitor Rest Shed	-	2.323
14	Construction of Waiting shed below Serow enclosure	-	0.80
15	Construction of Waiting shed on upper Leopard Cat enclosure	-	0.80
16	Construction of Waiting shed at near Bintorung enclosure	-	0.80
17	Construction of Waiting shed near Stump tailed macaque enclosure	-	0.80
18	Construction of Visitor Toilet (<i>Including Septic Tank</i>) near Leopard Enclosure	-	1.128
19	Construction of Visitor Toilet (<i>Including Septic Tank</i>) below Deer Enclosure	-	1.128
20	Construction for Vertical Extension of Assamese macaque enclosure wall at Aizawl Zoological Park	-	4.80
21	Preparation of adequate ventilation and sun light for Himalayan Black Bear-1 Feeding & Retiring Cells	-	0.064
22	Preparation of adequate ventilation and sun light for Himalayan Black Bear-2 Feeding & Retiring Cells	-	0.064
23	Preparation of adequate ventilation and sun light for Clouded Leopard Feeding & Retiring Cells	-	0.064
24	Planting of thorny hedges planting between the moat wall and stand off barrier at various enclosure	-	0.3622
25	Painting of steel used in Paddock and Feeding & Night Cells	-	0.153
26	Printing of visitor warning signboards	-	0.294
27	Fabrication of Steel frame Squeeze Cages	-	0.450
28	Brick Wall fencing for planting Green more trees inside Himalayan Black Bear Enclosure I & II	-	2.028
29	Extension of Feeding & Retiring Cell for Pig tailed macaque & Rhesus Macaque	-	4.00
GRAND TOTAL :-		-	76.97

(Rupees seventy six lakhs ninety seven thousand) only

19. EDUCATION AND AWARENESS PROGRAMMES DURING THE YEAR

- 1) 31 Schools of 1729 student visited Aizawl Zoological Park during the year 2018-19
- 2) 47 NGO's of 1762 its member visited Aizawl Zoological Park during 2018-19

These visits greatly benefit them, imparting awareness about importance of wildlife conservation. It is very encouraging that the younger generation is keen on the concept of ensuring harmony with nature and wildlife.

20. IMPORTANT EVENTS & HAPPENINGS

1. Valedictory function of 64th National Wildlife Week at Aizawl Zoological Park on 5.10.2018
2. New Reptiles Enclosures inaugurated by Dr. Ch. M. Rao, PCCF (WL) cum Chief Wildlife Warden, Mizoram on 05.10.2018
3. Observance of Green Mizoram Day on 11.06.2018 (Monday)
Theme : Thingphun belh la, a awmsa humhalh rawh
4. Observance of World Environment Day on **05.06.2018**
Theme : Beat Plastic Pollution
5. The Doordarshan Kendra (DDK) Aizawl prepared Zoo Documentary film and the same telecast at Doordarshan TV many times as part of awareness towards conservation of wildlife.
6. Shri. Siddhanta Das, IFS, DGF & Spl. Secretary, MoEF, Government of India visited Aizawl Zoo on 24.3.2019 and planted tree at Aizawl Zoo.

21. SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

Preparation of hibernation nest with Thatch and dry leaf before commencement of winter season for reptiles.

22. RESEARCH WORK CARRIED OUT AND PUBLICATIONS :

The following persons are allowed Research work carried out at Aizawl Zoological Park during 2018-19 as below:-

1. **Mr. G. Umapathy, Principal Scientist & Project Leader**
CSIR- Centre for Cellular and Molecular Biology
Ministry of Science & Technology, GOI, Hyderabad.
Topic : *Collection of Blood samples (2ml) from 2-3 unrelated individuals from each primate species caged in Aizawl Zoo*
2. **Dr. Gautam Patra, Asst. Professor (SG)**
Dept. of Parasitology
College of Veterinary Science & Animal Husbandry
Central Agri. University, Selesih, Mizoram
Topic : *Collection of faecal sample and Ectoparasites from Aizawl Zoological Park.*
3. **Dr. Mrunal Ghag-Sawant, Administrative Head**
Department of Zoonosis
Haffkine Institute, Parel, Mumbai.
Topic : *Collection of Snake and Snake Venom*
4. **Mr. O.P. Chaudhary, Assistant Professor & Adviser**
College of Veterinary Sciences & Animal Husbandry
Selesih, Mizoram
Topic : *Carrying out research on the head region of Indian muntjac (*Muntiacus muntjak*)/ Sambar deer (*Rusa unicolor*).*



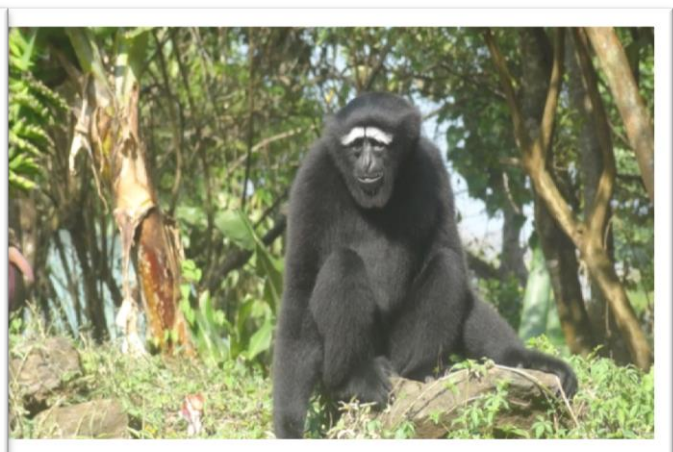
23. CONSERVATION BREEDING PROGRAMME OF THE ZOO

Conservation Breeding Programme of *Hoolock gibbon*, *Stump-tailed macaque*, *Hume Pheasant* and *Burmese Brown Tortoise* is going on and a great success and survival in breeding of Hoolock gibbon during 2011, 2013 and Stump tailed macaque has been achieved till today.

However, breeding of Burmese Brown Tortoise and Hume Pheasant are yet not upto the expectation although a considerable number of hatching obtained but the survival percent was practically very less due to lack of technical in put as Aizawl Zoological Park is without Biologist.

24. ANIMAL ACQUISITION /TRANSFER/EXCHANGE DURING THE YEAR 2018-19

A Animals arriving in the Zoo				
H.No	Species	Number (M:F:U)	From which Zoo	Date of arrival in the Zoo
	1) Jackal	1:0:0	Donation	01.09.2018
	2) Oriental Pied Hornbill	1:0:0	Donation	02.11.2018
	3) Oriental Pied Hornbill	0:1:0	Donation	02.11.2018
B Animals going from the zoo				
H.No	Species	Number (M:F)	Going to which Zoo	Date of deposition from the Zoo
	1) Himalayan Black Bear	0:1	Nandankanan Biological Park, Bhubhaneswar, Odisha	18.06.2018
	2) Wild Dog	1:1		
	3) Assamese Macaque	1:1		



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



ANNUAL INVENTORY OF ANIMALS**FORM - II : [(See Rule 11 (1)) : PART - A****ANNUAL INVENTORY REPORT OF AIZAWL ZOOLOGICAL PARK FOR THE YEAR 2018-2019**

Endangered Species (Schedule I & II)																							
SI No.	ANIMAL NAME	SCIENTIFIC NAME	Opening stock as on 01.04.2018				Births			Acquisition /Donation			Disposals			Deaths			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	Binturong	<i>Arctictis binturong</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
2	Himalayan black bear	<i>Ursusthibetanus</i>	6	7	-	13	-	-	-	-	-	-	-	1	-	3	-	-	-	3	6	-	9
3	Hoolock gibbon	<i>Hylobateshoolock</i>	4	5	-	9	-	-	-	-	-	-	-	-	-	1	-	-	-	3	5	-	8
4	Leopard cat	<i>Felisbengalensis</i>	1	1	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	1	1	2	4
5	Clouded leopard	<i>Neofelisnebulosa</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
6	Porcupine	<i>Hystrixbrachyura</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
7	Rhesus Macaque	<i>Macacamulata</i>	8	13	-	21	-	-	1	-	-	-	-	-	-	-	-	-	-	8	13	1	22
8	Assamese Macaque	<i>Macacaassamensis</i>	8	8	-	16	-	-	1	-	-	-	1	1	-	-	-	-	-	7	7	1	15
9	Stump Tailed Macaque	<i>Macacaarctoides</i>	12	11	1	24	-	-	6	-	-	-	-	-	-	-	-	-	-	12	12	6	30
10	Pig Tailed Macaque	<i>Macacalionina</i>	8	4	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4	-	12
11	Serow	<i>Capricornisrubidus</i>	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	3
12	Capped langur	<i>Trachypithecuspileatus</i>	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
13	Wild Dog	<i>Cuonalpinus</i>	3	3	-	6	3	1	-	-	-	-	1	1	-	-	-	-	-	5	3	-	8
14	Flying Squirrel	<i>Petauristapetaurista</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
15	Jungle cat	<i>Felischaus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
16	Golden cat	<i>Catopumatemminckii</i>	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
17	Jackal	<i>Canisaureus</i>	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	2
18	Slow loris	<i>Nyctilebusbengalensis</i>	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	2
TOTAL :-			56	60	2	118	3	1	11	1	-	-	2	3	-	4	-	1	54	59	11	124	

BIRDS (Endangered Species)																							
SI No	ANIMAL NAME	Scientific Name	Opening stock as on 01.04.2018				Birth			Acquisition/ Donation			Disposal			Deaths			Closing stock as on 31.3.2019				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Hume's pheasant	<i>Syrmaticushumiae</i>	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
2	Kalij pheasant	<i>Lophuraleucomelana</i>	2	3	-	5	-	-	2	-	-	-	-	-	-	-	-	3	-	2	2	-	4
3	Oriental Pied Hornbill	<i>Anthracoceros coronatus</i>	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1	-	2
TOTAL:			2	5	-	7	-	-	2	1	1	-	-	-	-	-	-	3	-	3	5	-	8

REPTILES (Endangered Species)																							
SI no	ANIMAL NAME	Scientific Name	Opening stock as on 01.04.2018				Births			Acquisition/ Donation			Disposal			Deaths			Closing stock as on 31.3.2019				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Burmese Python	<i>Python molurus</i>	-	3	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	7
2	Monocetele cobra	<i>Najakaouthia</i>	-	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
TOTAL :-			-	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	10
TOTAL OF ENDANGERED SPECIES			58	69	8	135	3	1	13	2	1	-	2	3	-	4	3	1	57	68	17	142	

FORM - II : [(See Rule 11 (1)) : PART – B

ANNUAL INVENTORY REPORT OF AIZAWL ZOOLOGICAL PARK FOR THE YEAR 2018-2019

Other than Endangered Species																						
SI No.	ANIMAL NAME	SCIENTIFIC NAME	Opening stock as on 01.04.2018				Births			Acquisition/ Donation			Disposals			Deaths			Closing stock as on 31.03.2019			
	Mammals		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Sambar	<i>Rusa unicolor</i>	6	3	1	10	-	1		-	-	-	-	-	-	1	1	-	5	4	-	9
2	Barking Deer	<i>Muntiacusmunjak</i>	3	7	-	10	-	-	-	-	-	-	-	-	-	-	-	-	3	7	-	10
3	Wild Pig	<i>Sus crofa</i>	3	3	-	6	-	-	-	-	-	-	-	-	-	2	1	-	1	2	-	3
4	Goral	<i>Neamoredusgriseus</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
TOTAL :-			13	13	1	27	-	1	-	-	-	-	-	-	-	3	2	-	10	13	-	23

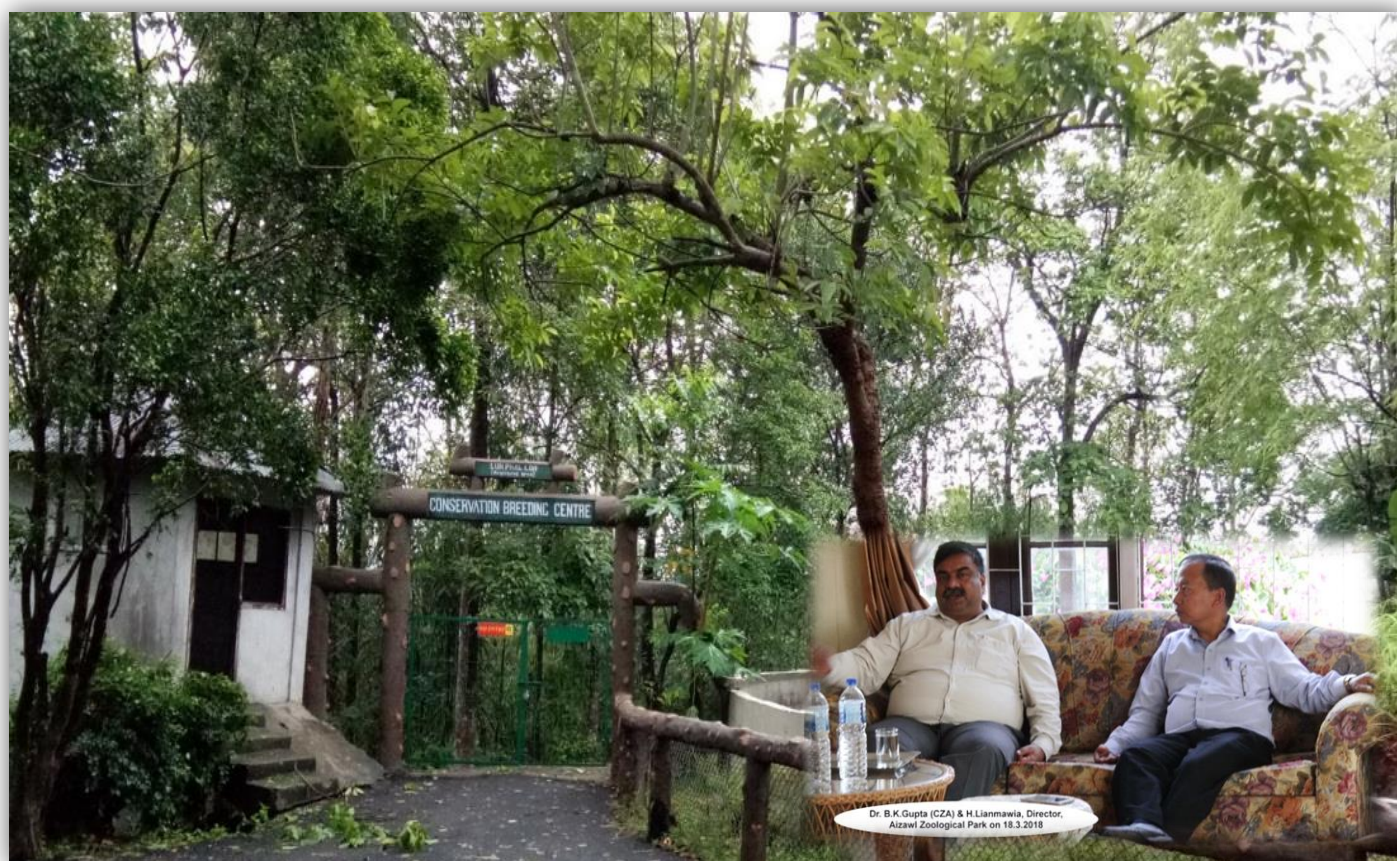
BIRDS (Other than Endangered Species)																						
SI No.	ANIMAL NAME	Scientific Name	Opening stock as on 01.04.2018				Births			Acquisition / Donation			Disposal			Deaths			Closing stock as on 31.3.2019			
	M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U
1	Brown Wood Owl	<i>Strixleptogramica</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
2	Serpent Eagle	<i>Spilornisicheela</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
3	Red jungle fowl	<i>Gallus gallus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
4	Parakeet	<i>Psittacula sp.</i>	4	5	-	9	-	-	-	-	-	-	-	-	-	-	-	-	4	5	-	9
5	Himalayan Griffon	<i>Gyps himalayayensis</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
TOTAL :-			5	6	7	18	-	-	-	-	-	-	-	-	-	-	-	4	5	6	3	14

REPTILES (Other than Endangered Species)																						
SI No.	ANIMAL NAME	Scientific Name	Opening stock as on 01.04.2018				Births			Acquisition / Donation			Disposal			Deaths			Closing stock as on 31.3.2019			
	M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
1	Tortoise (Unidentified)	<i>Geochelone</i>	9	7	-	16	-	-	-	-	-	-	-	-	-	-	-	-	9	7	5	21
2	Turtle (Unidentified)	-	-	1	4	5	-	-	5	-	-	-	-	-	-	-	-	-	-	1	4	5
3	Elongated tortoise	<i>Indotestudoelongata</i>	-	2	3	5	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2	4
TOTAL :-			9	10	7	26	-	-	5	-	-	-	-	-	-	-	-	1	9	10	11	30
TOTAL OF OTHER THAN ENDANDERD SPECIES :-			27	29	15	71	-	1	5	-	-	-	-	-	-	3	2	5	24	29	14	67

ANNUAL INVENTORY OF AIZAWL ZOOLOGICAL PARK 2018 - 2019

‘ ABSTRACTS ’

SI No	SPECIES	STATUS	Opening stock as on 01.04.2018				Births			Acquisition/ Donation			Disposals			Deaths			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	Mammals	<i>Endangered Species</i>	56	60	2	118	3	1	11	1	-	-	2	3	-	4	-	1	54	59	11	124
2	Birds	<i>Endangered Species</i>	2	5	-	7	-	-	2	1	1	-	-	-	-	-	3	-	3	5	-	8
3	Reptiles	<i>Endangered Species</i>	-	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	10
TOTAL OF Endangered Species			58	69	8	135	3	1	13	2	1	-	2	3	-	4	3	1	57	68	17	142
4	Mammals	<i>Other Species</i>	13	13	1	27	-	1	-	-	-	-	-	-	-	3	2	-	10	13	-	23
5	Birds	<i>Other Species</i>	5	6	7	18	-	-	-	-	-	-	-	-	-	-	-	4	5	6	3	14
6	Reptiles	<i>Other Species</i>	9	10	7	26	-	-	5	-	-	-	-	-	-	-	-	1	9	10	11	30
TOTAL OF OTHER SPECIES			27	29	15	71	-	1	5	-	-	-	-	-	-	3	2	5	24	29	14	67
GRAND TOTAL OF ANIMAL EXHIBITED IN THE ZOO			85	98	23	206	3	2	18	2	1	-	2	3	-	7	5	6	81	97	31	209



27. Mortality of animals

Sl. No	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Postmortem report
1	Wild Pig	<i>Sus crofa</i>	M	19.04.2018	Porcine Reproductive Syndrome
2	Wild Pig	<i>Sus Crofa</i>	M	19.04.2018	Porcine Reproductive Syndrome
3	Wild Pig	<i>Sus Crofa</i>	F	21.04.2018	Porcine Reproductive Syndrome
4	Serpent Eagle	<i>Spilornisicheela</i>	U	03.05.2018	Visceral gout
5	Serpent Eagle	<i>Spilornisicheela</i>	U	03.05.2018	Visceral gout
6	Brown Wood Owl	<i>Strixleptogramica</i>	U	03.05.2018	Acute Pneumonia & Hepatitis
7	Brown Wood Owl	<i>Strixleptogramica</i>	U	25.05.2018	Acute Pneumonia & Hepatitis
8	Sambar	<i>Rusa unicolor</i>	F	28.09.2018	Enterotoxaemia
9	Elongated Tortoise	<i>Indotestudoelongata</i>	U	20.09.2018	Respiratory disease
10	Flying Squirrel	<i>Petauristapetaurista</i>	U	20.09.2018	Chronic Pneumonia
11	Sambar	<i>Rusa unicolor</i>	M	28.12.2018	Chronic Pneumonia
12	Himalayan black bear	<i>Ursusthibetanus</i>	M	23.11.2018	Infighting
13	Himalayan black bear	<i>Ursusthibetanus</i>	M	26.11.2018	Infighting
14	Khalij Pheasant	<i>Lophuraleucomelana</i>	F	01.02.2019	Infighting
15	Khalij Pheasant	<i>Lophuraleucomelana</i>	F	01.02.2019	Infighting
16	Khalij Pheasant	<i>Lophuraleucomelana</i>	F	01.02.2019	Infighting
17	Himalayan black bear	<i>Ursusthibetanus</i>	M	06.03.2019	Hemorrhagic Pneumonia & enteritis
18	Hoolock gibbon	<i>Hylobateshoolock</i>	M	18.03.2019	Cardiac failure resulting to Asphyxia



Valedictory Function of 64th National Wildlife Week 2019
at Aizawl Zoological Park



Stump tailed macaque



Himalayan Black Bear



Pig tailed macaque



Capped langur





28. Compliance with conditions stipulated by the Central Zoo Authority

Sl/ No	Norm No. under RZR, 2009	Condition stipulated	Time Period to comply	Since when pending	Status with regard to compliance of the conditions
1	10.1(2)	In the Himalayan black bear enclosure more green trees inside the enclosure should be planted	With immediate effect	15.04.2013	<i>Works in progress</i>
2	10.1 (2)	Thorny hedges should be planted between the moat wall and stand-off barriers at various enclosure. Signboards warning the visitors to keep away from the animals should also be provided	Three months	22.09.2009	<i>Complied</i>
3	10.1(3)	Some of the existing visitor gallery should be cut short or made barrier to the excess of visitor gallery like Himalayan black bear enclosure, Rhesus macaque enclosure.	Within six months	15.04.2013	<i>Complied</i>
4	10.1(3)	The zoo shall be kept closed to the visitors at least once a week.	By 31.12.2008	10.08.2006	<i>Closed on Monday</i>
5	10.1(3)	The zoo authorities are advised to explore the possibility of having a visitor pathway at the level of Serow enclosure so that the herbivores and other animals can be visible to visitors.		22.09.2009	<i>Complied</i>

6	10.1(4) & 10.1(5)	A perimeter wall of at least 2 meters high from the ground level shall be provided all around the zoo campus. Appropriate measures shall be taken to ward of dogs and other domestic animals from entering into the zoo campus. Preferably, a patrolling path may be provided near perimeter wall for constant monitoring of the security.	By 31.12.2008	10.08.2006	<i>Complied</i>
7	10.1(4)	(i) The breach in the perimeter wall should be repaired in such a manner that enough space is available for drainage of water and the silt carried by it. (ii) Appropriate soil conservation measures should be taken in the area forming part of potential water stream by way of gali plugging and contour bundhs. Contour terracing in herbivore enclosures, subject to severe soil erosion, should also be provided. Inspection path with modern of gradient should be provided for regular monitoring of the perimeter wall.	With immediate effect With immediate effect	22.09.2009	<i>Complied</i> <i>Complied</i>
8	10.1(6)	Arrangements for providing accommodation to the keepers, supervisory staff and the veterinary officer should be made within / near to the zoo campus.	By 31.12.2008	10.08.2006	<i>Complied</i>
9	10.1(7)	Proper waste disposal system for treating both the solid and liquid wastes generated in the Zoo should be provided.	By 31.12.2008	10.08.2006	<i>Complied</i>
10	10.1(7)	Despite few number of visitors, enclosures were seen with plastics. Since zoo has inadequate staff, entry of plastics should be checked at the entrance itself by declaring the zoo as ' plastic free zone '. To make the zoo plastic free, arrangement should be made in the entrance gate itself.	Immediately With immediate effect	15.04.2013	<i>Complied</i>
11	10.1(8)	Handicapped Hoolock gibbon may be provided furniture for playing and exercises and cleaned her enclosure and nigh house otherwise may be shifted to breeding centre.	With immediate effect	15.04.2013	<i>Complied but the animal died on 6.11.2016 due to Pneumonia</i>
12	10.1(9)	Domestic dove should be removed from the Hoolock gibbon breeding centre.	Immediately	15.04.2013	<i>Complied immediately</i>
13	10.2(1)	A full time officer in-charge of the zoo should be posted / appointed. The officer should be delegated adequate administrative and financial powers to purchase feed and medicine and carryout emergency repair of animal enclosures as may be necessary for proper upkeep and care of the zoo animals.	By 31.12.2008	10.08.2006	<i>Proposal submitted to the State Government for consideration.</i>

14	10.2(2)	An official with Master degree in Wildlife Science should be posted / appointed as full time Curator solely responsible for looking after the upkeep of animals and maintenance of animal enclosures.	By 31.12.2008	10.08.2006	<i>Full time Curator posted by the State Government.</i>
15	10.3(1)	The future development of the Zoo should be taken up as per the approved master Plan and the Management Plan, as submitted to the Central Zoo Authority vide letter No. B.12015/2/92-FST dated 21.06.2006.	By 31.12.2008	10.08.2006	<i>Complied</i>
16	10.3(1)	The Zoo should prepare a long-term Master Plan for its development in the format as circulated by the Central Zoo Authority. The copies of the said plan should be submitted to the Central Zoo Authority for its approval.	Revised plan to be prepared and submitted to this office at the earliest keeping in view of the observations communicated by this office.	22.09.2009	<i>Prepared and Submitted to CZA</i>
17	10.3(6)	The primary objective and goal of the Aizawl Zoological Park, Sakawrtuichhun, Mizoram shall be to exhibit and conserve the animal species found in the North-east India.	By 31.12.2008	10.08.2006	<i>Complied</i>
18	10.3(6)	The zoo should prepare a collection plan of animals to be housed and displayed in the zoo, keeping due regard to the availability of enclosures in the zoo and availability of the animals of North-east Region in other zoos of the country.	By 31.12.2008	10.08.2006	<i>Complied</i>
19	10.3(6)	The zoo should determine the carrying capacity of the various enclosures in terms of the maximum number of the animals that can be displayed in the zoo. They should also decide the optimum number of the animals to be kept in the animal enclosures.	Three months	22.09.2009	<i>Collection plan of Zoo is as per the Master plan if Zoo, if necessary CZA is also being consulted</i>
20	10.4(2)	(i) The enclosure for <u>Malayan sun bear</u> is under construction which should be as per the approved design and restrict the viewing site providing proper live hedge with adequate gap between chain-link and standoff barrier (2-3 mt.)	Within six months	15.04.2013	<i>Complied</i>
21	10.4(2)	The possibilities of confining the Sambar enclosure within the lower limits of Barking deer and Sambhar enclosure should be made. The Barking deer could be housed in the upper portion adjoining the proposed park.		22.09.2009	<i>Works in progress.</i>
22	10.4(2) and 10.4(10)	In the <u>Nocturnal house</u> , provision of sunlight at the back vegetation and signboard should be provided.	Within three months	15.04.2013	<i>Complied</i>

23	10.4(2)	Feeding cell of the bear should be modified to provide adequate ventilation and sunlight.	Six months	22.09.2009	<i>Complied</i>
24	10.4(2)	The shutters made of bars / and iron angle of appropriate dimensions and strength. Proper cooling system should be provided to facilitate smooth operating of the shutter. Provision for proper locking system should be made so that the shutters cannot be opened either by the bears or some intruders in the animal enclosure.	Six months	22.09.2009	<i>Complied</i>
25	10.4(2)	Himalayan griffon and Crested serpent eagle should be shifted to the aviary in which larger Burmese grey peacock and Jungle fowl are displayed. New enclosures should be provided for these species with height not more than 2.5 mtrs. The enclosures should have adequate depth to provide the animals withdrawal area, provision of adequate screening should also be made in these enclosures.		22.09.2009	<i>3 nos of Himalayan griffon is housed in Pied Hornbill enclosure. Which is the largest Aviary in the Zoo</i>
26	10.4(2)	Appropriately designed feeding cell should be provided at Serow enclosure.	Six months	22.09.2009	<i>Complied</i>
27	10.4(2)	Clouded leopard enclosure should be modified appropriately through, use of wooden planks and other material, in such a way that keepers can feed their animals within feeding cells conveniently.	Six months	22.09.2009	<i>Complied</i>
28	10.4(2)	The <u>Himalayan griffon</u> should be sent to Vulture Conservation Breeding Centre, Assam. In the meantime, the same should be shifted to the larger enclosure.	Within three months	15.04.2013	<i>The proposal under process</i>
29	10.4(2)	The <u>Leopard cat enclosure</u> - these cats should be shifted to Nocturnal house and the present enclosure should be dismantled.	With immediate effect	15.04.2013	<i>Complied</i>
30	10.4(3)	Steps to improve the visibility of animals should be taken at various enclosures by way of thinning of the ground flora / small saplings at Clouded leopard enclosure, Pied hornbill enclosure and Jackal enclosure.		22.09.2009	<i>Complied by regular thinning and cleaning</i>
31	10.4(6) & 10.5(5)	(vi) In the <u>Wild boar enclosure</u> , water basin is to be cleaned, provision for wallowing i.e. swamp should be provided.	With immediate effect	15.04.2013	<i>Complied</i>
32	10.4(8)	Designing of any new enclosures for endangered species shall be finalized with approval of the Central Zoo Authority.	By 31.12.2008	10.08.2006	<i>Complied</i>
33	10.4(9)	Stand-off barriers and adequate warning signs should be provided at all animal enclosures for keeping the visitors at a safe distance from the animals.	By 31.12.2008	10.08.2006	<i>Complied</i>

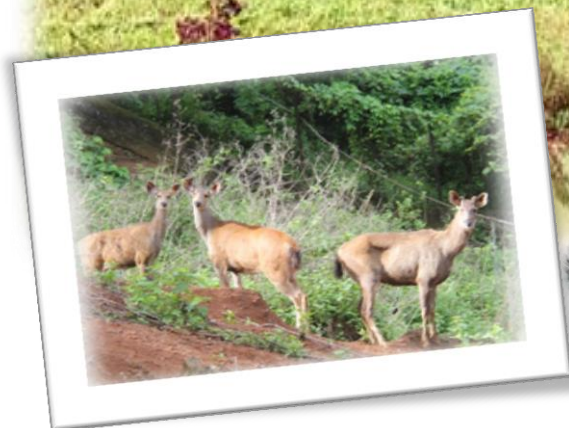
34	10.4(10)	Every enclosure in the zoo should bear a sign board displaying scientific information regarding the animals exhibited in it.	By 31.12.2008	10.08.2006	<i>Complied</i>
35	10.5(2)	The quality of feed supplied by the supplier should be checked by Veterinary Officer and the quantity should be checked by R.O.	With immediate effect	15.04.2013	<i>Complied</i>
36	10.5(2)	Round the clock supply of potable water for drinking purposes in each cell / cubicle / enclosure should be made.	By 31.12.2008	10.08.2006	<i>Complied</i>
37	10.5(3)	The feed store should be shifted to an alternative site away from the post-mortem room and incinerator. Having the food store near the dispensary would facilitate expeditious examination of the quality of the food by the veterinary doctor. The rooms available near the hospital could be used as feeding cell after appropriate modifications.	One year	22.09.2009	<i>Complied</i>
38	10.5(3)	(i) Platform should be provided for preparation of feed in store house. (ii) Feed store and refrigerator including the floor and furniture inside the store should be kept clean. Feed chart should be prepared. Vegetable should not be procured for 15 days at a time but supplied daily.	Within three months With immediate effect	15.04.2013	<i>Complied</i>
39	10.5(3)	The feed store and kitchen should be equipped properly and appropriate arrangement should be made for hygiene storage of food materials.	By 31.12.2008	10.08.2006	<i>Complied</i>
40	10.5(4)	Every endangered animal in the Zoo should be provided food inside a feeding cubicle / retiring cell. The feeding cell / retiring cubicle / night shelter of these animals should be of the dimension as specified in <u>Appendix I</u> of the Recognition of Zoo Rules, 1992. Each cubicle should have resting / feeding / drinking water and exercising facilities according to the biological need of the species. Proper ventilation and lighting for the comfort and well-being of the animals should be provided in each cubicle.	By 31.12.2008	10.08.2006	<i>Complied</i>
41	10.5(5)	Every water pool should have a proper drainage facility and should be cleaned periodically.	With immediate effect	22.09.2009	<i>Complied</i>
42	10.5(5)	Schedule for periodic disinfection of enclosure should be prepared and displayed at each enclosure.	With immediate effect	22.09.2009	<i>Complied</i>
43	10.5(5)	Leftover food items, animal excreta and rubbish should be removed from each enclosure daily and disposed off in a manner congenial to the general cleanliness of the Zoo.	By 31.12.2008	10.08.2006	<i>Complied</i>

44	10.5(5)	A schedule for periodic disinfection of each animal enclosure in the Zoo should be made and implemented as per the directions of the veterinary officer. Phenol based disinfectants should not be used in the animal enclosures.	By 31.12.2008	10.08.2006	<i>Complied</i>
45	10.5(5)	The furniture in <u>Binturong enclosure</u> should be provided and should be cleaned and using appropriate disinfectant, the wall and iron bar doors should be clean and burnt by blow lamp. Potassium should be put in the gate of night house for all enclosure. Water hole should be washed with the lime water.	With immediate effect	15.04.2013	<i>Complied</i>
46	10.5(5)	In the <u>Hoolock gibbon enclosure</u> , water in the wet moat needs to be cleaned properly.	With immediate effect	15.04.2013	<i>Complied</i>
47	10.5 (6)	The keepers / supervisory staff should not enter into the animal enclosure in a routine manner, without closing the animal in the feeding cell. Of course, in case of emergency when an animal has to be attended on priority basis and it is not coming into the feeding cell, the animal may be approached taking due precaution for the security of the animal and the staff.	With immediate effect	22.09.2009	<i>Complied</i>
48	10.5 (6)	(i) To look after the enclosure, there should be a group of at least three men in one group covering 2-3 enclosures and should arrange accordingly. (ii) All the keepers should report to R. O. in the morning and take the keys for their enclosure which will be in the custody of R.O. himself.	With immediate effect	15.04.2013	<i>Complied</i>
49	10.5 (6)	Watch tower is not necessary and may be closed or maintain it properly.		15.04.2013	<i>Properly maintained</i>
50	10.5 (6)	The condition and health of all the animals in the Zoo should be checked everyday by the person In-charge of their care. Any animal found sick, injured or unduly stressed, the matter should be reported to the Veterinary Officer for providing treatment expeditiously.	By 31.12.2008	10.08.2006	<i>Complied</i>
51	10.5 (8)	Routine examination of all the zoo animals, including parasite checks should be carried out regularly and preventive medicines including vaccination should be administered at such intervals as may be prescribed by the Veterinary Officer.	By 31.12.2008	10.08.2006	<i>Complied</i>

52	10.5 (9)	The Zoo Operator should arrange for medical check up of all the staff responsible for upkeep of animals at least once in every six months.	By 31.12.2008	10.08.2006	<i>Complied</i>
53	10.5 (10)	A system of daily report from keeper about the health of the animal and status of the enclosures should be put in place. The report should be counter signed by the Supervisor and the Range Officer before it reaches to the desk of the Director.	With immediate effect	22.09.2009	<i>Complied</i>
54	10.6 (1b)	Being the only major Zoo of the State, the veterinary unit should be provided with basic diagnostic facilities, comprehensive range of drugs and a reference library on animal healthcare and upkeep.	By 31.12.2008	10.08.2006	<i>Proposal submitted to the State Government</i>
55	10.6 (1b)	The veterinary hospital should be upgraded and provision for properly equipped in house lab for routine examination of the stool, urine and blood samples of the animals should be done.	Six months	22.09.2009	<i>Proposal submitted to the State Government.</i>
56	10.6 (3)	The zoo should have adequate number of squeeze cages, for restraining and handling of wild animals.	By 31.12.2008	10.08.2006	<i>Complied</i>
57	10.6 (3)	Tranquilizing gun and other accessories and drugs should be made available at the hospital.	One year	22.09.2009	<i>Complied</i>
58	10.6 (3)	The hospital should have reference books / literature pertaining to the diseases and treatment of animals, particularly " Zoo and Wild Animal Medicine " by Fowler, M.E. & " Wild Mammals in Captivity " by Keliman, D. G. et al.	Six months	22.09.2009	<i>Fund requirement submitted to the Government.</i>
59	10.6 (6b)	The Zoo Keepers and the Supervisory level staff should be deputed for regular training programmes being conducted by the Assam State Zoo, Guwahati and the Wildlife Institute of India, Dehradun.	By 31.12.2008	10.08.2006	<i>Complied</i>
60	10.7 (1)	Whenever any animal dies in the zoo, its blood should be tested for anthrax before carrying out the post-mortem of the animal.	With immediate effect	22.09.2009	<i>Complied</i>
61	10.7 (3)	The viscera of the animals after post-mortem should be sent to Indian Veterinary Research Institute, Bareilly / Veterinary College, Guwahati for forensic / disease diagnostic in all cases where the post-mortem findings are not conclusive.		22.09.2009	<i>Complied</i>

62	10.9 (1)	The zoo should keep in its collection only such number of animals and such species for which appropriate housing facility exists. The Zoo Operator shall be responsible for ensuring that the number of animals of any species does not go beyond the holding capacity of the enclosures available in the Zoo and the housing standards are not compromised for keeping the excessive numbers.	By 31.12.2008	10.08.2006	<i>Complied</i>
63	10.9 (4)	The zoo operator should take necessary steps for providing mates to the single animals like Binturong and Jungle cat.	By 31.12.2008	10.08.2006	<i>No mate is yet found for male Binturong, mate for Jungle cat found</i>
64	10.9 (6)	The Zoo should participate in planned breeding programme of endangered species as approved by the Central Zoo Authority. For this purpose the zoo operator shall exchange animals between zoos by way of breeding loans, gifts and the like as per the directions of the Authority.	By 31.12.2008	10.08.2006	<i>Yes, exchanged done with Sepahijala Zoo, Tripura & NZP Delhi earlier and Nandankanan Zoological Park, Odhisa on 18.6.2018</i>
65	10.9 (9)	To safeguard against uncontrolled growth in the population of Assamese macaque and Sambar, the Zoo Operators should implement appropriate population control measures likes vasectomy etc.	By 31.12.2008	10.08.2006	<i>1 male and 2 female of Wild pig has been sterilized efforts being taken to sterilized Macaque and Sambar</i>
66	10.9 (11)	<u>Jungle fowl</u> (pair) near Veterinary Dispensary should be shifted to the display enclosure or release into the wild.	With immediate effect	15.04.2013	<i>Complied</i>
67	10.11 (1)	The zoo should publish leaflets, brochures and guide books and make the same available to the visitors either free of cost or at a reasonable price.	By 31.12.2008	10.08.2006	<i>Leaflets, brochure and guide books provided</i>
68	10.11 (1)	Layout Plan of the zoo should be displayed at prominent places indicating directions of the enclosures of important species The interpretation centre made by the zoo is not serving any useful purpose at the moment. It should be developed and number of panoramas / interpretive exhibits should be provided to educate the visitors about the ecological value of wildlife. Contribution of zoos made in this regard.		22.09.2009	<i>Complied</i>
69	10.12 (1)	More number of toilets, visitor sheds and drinking water points at different locations in the zoo should be provided for use of visitors. Proper shade should be provided in all the visitor galleries at animal enclosures.	By 31.12.2008	10.08.2006	<i>Complied</i>
70	10.12 (3)	Necessary arrangements should be made to provide access to the zoo to disabled visitors including those in wheel chairs.	By 31.12.2008	10.08.2006	<i>Black top and Wheel Chair can ply</i>

71	11 (2)	The Zoo should submit an annual report of the activities of the Zoo in respect of each financial year to the Central Zoo Authority.	By 31.12.2008	10.08.2006	<i>Complied</i>
72	Section 38I of the Wild Life (Protection) Act, 1972	The zoo should not acquire any animal in violation of the Act or Rules made their under. Prior permission of the Central Zoo Authority shall be obtained for acquisition of animals listed under Schedule I & II of the Act.	By 31.12.2008	10.08.2006	<i>Complied</i>



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

- a. Mammals :-**
- | | | |
|--------------------|----------------------------------|----------------------|
| 1. Jackal | 2. Squirrel | 3. Leopard cat |
| 4. Jungle Cat | 5. Crab-eating Mongoose | 6. Common Palm civet |
| 7. Slow lorries | 8. Himalayan Crestless Porcupine | |
| 9. Clouded Leopard | 10. Chinese Ferret Budger | |
- b. Birds :-**
- | | | |
|----------------------------|----------------------------------|---------------------------|
| 1. Jungle Crow | 2. Shot billed minivet | 3. Black hooded Oriole |
| 4. Grey Treepie | 5. Black Drongo | 6. House Sparrow |
| 7. Golden fronted Leafbird | 8. Burmese Shrike | 9. Asian Barred Owllet |
| 10. Upupaepops | 11. Brown Wood Owl | 12. Little Forktail |
| 13. Olive-backed Pipit | 14. Mountain Tailor bird | |
| 15. White throated Bulbul | 16. Black bulbul | 17. Red vented Bulbul |
| 18. Black crested bulbul | 19. Blue throated Barbed | |
| 20. Streaked Spiderhunter | 21. White crested Laughingthrush | |
| 22. Grey Wagtail | 23. Greater Coucal | 24. Black bulbu |
| 25. Oriental Turtle Dove | 26. Common Emeral Dove | |
| 27. Jungle Myna | 28. Kalij Pheasant | 29. Greater Racket tailed |
| Drongo | 30. Pin tailed Green Pigeon | |
- c. Reptiles :-**
- | | | |
|--------------------------|--------------------------------|------------------------|
| 1. Monocled Cobra | 2. Burmese Brown Tortoise | 3. Monitor lizard |
| 4. King Cobra | 5. Branded Krait | 6. Red necked Keelback |
| 7. Oriental Rat snake | 8. Copper-headed Trinket Snake | |
| 9. Spot-tailed Pit Viper | 10. Asian Vine Snake | |



Zoo Visitors.....



Lallen Gov't Middle School



Dr. S.H.Patil, IFS, PCCF (Production & Management) Gov't of Maharashtra & Family paid to visit Aizawl Zoo on 31.12.2018



Zoo Development Works carried out during 2018-19



New Reptile Enclosure inaugurated by Dr. P. M. Rao, PCCW, on 14.10.2018.



Inside Reptiles Enclosure



Inside Reptiles Enclosure



Waiting Shed at Clouded Leopard Enclosure



Waiting Shed near Bintorong Enclosure



Vertical Extension of Assamese Macaque Enclosure Wall



Vertical Extension of Assamese Macaque Enclosure Wall

Zoo Development Works Carried out during 2018-19



Black Topping of Zoo internal Road



*With best compliments
from*



**Aizawl Zoological Park,
Sakawrtuichhun, Mizoram**

