

AIZAWL ZOOLOGICAL PARK

Annual Report for the year
2017-18



1. Report of the Officer-in-charge :

Aizawl Zoological Park is one of the few hilly zoos in the country with soothing rich vegetation and uniqueness is a place of interest and centre of attraction from people of all class and societies within the state and abroad.

I would like to extend my sincere gratitude to the Central Zoo Authority for granting renewal of its recognition for a period upto 22nd March 2019 and their continued support in granting substantial fund for the development of Aizawl Zoological Park. Utmost effort is being taken up to maintain highest standard of housing, health care and research projects for developing a new strategy for successful breeding and upkeep of selected endangered species of animals.

There are 35 species of animals in the zoo with a total population of 206 numbers of animals out of which 23 species are of endangered species. Conservation breeding and upkeep in some of the selected endangered species produced promising results especially in captive breeding of Hoolock gibbon and Stump tailed macaque.

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 2017-2018.
- 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 2017-2018.
- 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 2017-2018.
- Compliance with conditions stipulated by Central Zoo Authority and various challenges as well as achievements of the Aizawl Zoological Park.

(H.LIANMAWIA)IFS
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 Goral, Green Peafowl, Serow 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 silde 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. About us

Basic Information about the Zoo

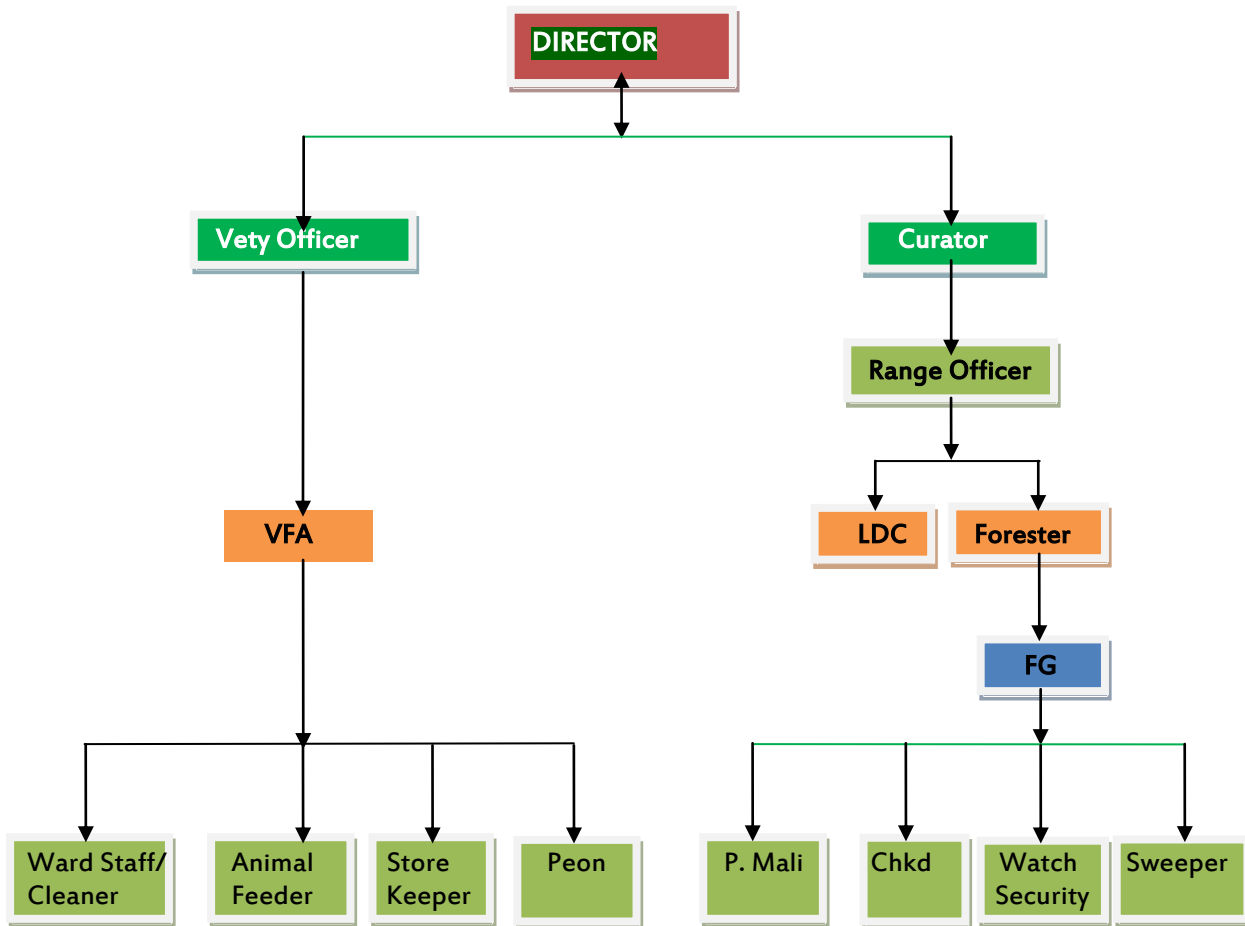
SI/No	Particulars of the Zoo	Information
1	Name of the Zoo	Aizawl Zoological Park
2	Year of Establishment	24.11.2006
3	Address of the Zoo	Sakawrtuichhun, Aizawl, Mizoram
4	State	Mizoram
5	Telephone Number	0389-2336679
6	Fax Number	0389-2336041

7	E-mail address	dcfwazl@yahoo.co.in	
8	Website	N/A	
9	Distance from nearest	Airport	Lengpui Airport 15Kms
		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)9Vol.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	10333 (above 10 yrs)
		Children	3407 (below 10 yrs)
		Total Indian	13740
		Total Foreigners	140
		Total Visitors	13880
14	Visitors' Facilities Available in Zoo	1. Visitor Sheds 2. Toilets 3. Urinals 4. Resting Places 5. Permanent benches provided at suitable intervals along visitor's path.	
15	Weekly Closure Day of the Zoo	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	No Veterinary Officer posted at present, as the AH&SVety Department could not depute the VAS at present; the State government is taking necessary steps for recruitment of new VAS and is under active process.	
18	Name of the Curator	Shri. Lalrinliana, 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			
17	*Name of the Operator	Shri H. Lianmawia, IFS Dy. Conservator of Forests (Wildlife) cum Director, Aizawl Zoological Park.	
18	Address of the Operator	Office of the Dy. Conservator of Forests (WL) Wildlife Division, New Secretariat Complex Aizawl, Mizoram	
19	Contact details/Phone number of Operator	Mobile No. 943614141203	
20	E-mail address of Operator	dcfwazl@yahoo.co.in	

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

- "Zoo Operator"** means the person who has ultimate control over the affairs of the zoos provided that _____
- i. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or
 - ii. in the case of a company, any director, manager, secretary or other officer, who is in charge of and responsible to the company for the affairs of the zoo; or
 - iii. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

7. Organizational Chart



8. Human Resources

Manpower of the Zoo* as on 31.03.2018

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	-
4	Veterinary Field Assistant	1	1	Mr. Lalchhuanawma
5	Forest Ranger	1	1	Shri. C. Chawngmingliana
6	Forester	1	-	Mr. Immanuela
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 (M/R)	1	1	Mr. Lalchhandama
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) (<i>Unskilled</i>)	4	4	1) Mr. L.H. Rosangliana
				2) Mr. Vanlaldika
				3) Mr. K. Lalnuntluanga
				4) Mr. R. Lalnunhlma
12	Ward Staff (M/R) (<i>Unskilled</i>)	4	4	1) Mr. C. Lalhunzauva
				2) Mr. Lalfakawma
				3) Mr. Lalnuntluanga
				4) Mr. Zoramchuana
13	Mali (M/R) (<i>Unskilled</i>)	3	3	1) Mrs. Darropuii
				2) Mr. Vanlalhuaia
				3) Mrs. Vanlawmi
14	Chowkider (M/R) (<i>Unskilled</i>)	1	1	Mrs. Lalpianpuii
15	Forest Guard (M/R) (<i>Unskilled</i>)	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 personnel : *No staff detail for Capacity building during 2017-18.*

10. Zoo Advisory Committee : *Not yet constituted by State Government.*

11. Health Advisory Committee : *Not yet constituted by State Government.*

12. Statement of income and expenditure of the Zoo during 2017-18

a) Income during 2017-18

Sl/No	Source of Income	Total Amount
1	Revenue Receipt	Rs. 1,22,385.00

b) Details of expenditures during 2017-18

Sl/No	Particulars	Total Amount
1	Zo Feed Bill	Rs. 34,57,783.00
2	Zoo Energy Bill	Rs. 60,680.00
3	Zoo Establishment	Rs. 71,30,571.00
4	Zoo Development	Rs. 37,47,800.00 (Details in Sl. No. 18)
	Total:-	Rs. 143,96,834.00

13. Daily Feed Schedule of animals.

Sl.No	Name of Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1.	Khalij Pheasant	Ground Nut	100 gm	100 gm	Nil
		Pineapple	50 gm	50 gm	Nil
		Chicken Con Feed	50 gm	50 gm	Nil
		Castanopsis Nut	50 gm	50 gm	Nil
		Green leaf Veg	50 gm	50 gm	Nil
		Dal	50 gm	50 gm	Nil
2		Ground Nut	100 gm	100 gm	Nil
		Pineapple	50 gm	50 gm	Nil
		Chicken Con Feed	50 gm	50 gm	Nil

	Hume Pheasant	Castanopsis Nut	50 gm	50 gm	Nil
		Dal	50 gm	50 gm	Nil
3	Parakeet	Pineapple	25 gm	25 gm	Nil
		Rice grain	20 gm	20 gm	Nil
		Green leaf Veg	50 gm	50 gm	Nil
		Banana	300 gm	300 gm	Nil
4	Red Jungle Fowl	Chicken Con Feed	120 gm	120 gm	Nil
		Rice grain	50 gm	50 gm	Nil
		Green leaf Veg.	50 gm	50 gm	Nil
5	Serpent Eagle	Fish	100 gm	100 gm	Nil
		Beef	400 gm/ alternate day	400 gm/ alternate day	Sun,Tue, Fri.
6	Himalayan Griffon	Beef	500 gm /alternate day	500 gm /alternate day	Sun,Tue, Fri
		Fish	100 gm	100 gm	Nil
7	Capped Langur	Ground Nut	100 gm	100 gm	Nil
		Papaya	200 gm	200 gm	Nil
		Pineapple	200 gm	200 gm	Nil
		Carrot	200 gm	200 gm	Nil
		Bread	¼ no	¼ no	Nil
		Banana	400 gm	400 gm	Nil
		Tomato	100 gm	100 gm	Nil
8	Hoolock gibbon	Apple	50 gm	50 gm	Nil
		Carrot	200 gm	200 gm	Nil
		Pineapple	200 gm	200 gm	Nil
		Bread	½ no	½ no	Nil
		Eggs	1 no.	1 no.	Nil
		Green leaf Veg	150 gm	150 gm	Nil
		Banana	300 gm	300 gm	Nil
		Tomato	100 gm	100 gm	Nil
9	Rhesus macaque	Pineapple	100 gm	100 gm	Nil
		Bread	¼ no	¼ no	Nil
		Green leaf Veg	250 gm	250 gm	Nil
		Pumpkin	150 gm	150 gm	Nil
		Gram	150 gm	150 gm	Nil
		Banana	200 gm	200 gm	Nil
10	Assamese macaque	Pineapple	100 gm	100 gm	Nil
		Bread	¼ no	¼ no	Nil
		Green leaf Veg	250 gm	250 gm	Nil
		Pumpkin	150 gm	150 gm	Nil
		Gram	150 gm	150 gm	Nil
		Banana	200 gm	200 gm	Nil
11	Stump tailed macaque	Pineapple	100 gm	100 gm	Nil
		Bread	¼ no	¼ no	Nil
		Green leaf Veg	250 gm	250 gm	Nil
		Pumpkin	150 gm	150 gm	Nil
		Gram	150 gm	150 gm	Nil
		Banana	300 gm	300 gm	Nil
12	Pigtail macaque	Pineapple	100 gm	100 gm	Nil
		Bread	¼ no	¼ no	Nil
		Green leaf Veg	250 gm	250 gm	Nil
		Gram	150 gm	150 gm	Nil
		Pumpkin	150 gm	150 gm	Nil
		Banana	300 gm	300 gm	Nil
13	Binturong	Papaya	500 gm	500 gm	Nil
		Banana	300 gm	300 gm	Nil
		Eggs	1 / alternate day	1 / alternate day	Sun,Tue,Fri

		Green leaf Veg	50 gm	50 gm	Nil
14	Flying Squirrel	Gram	50 gm	50 gm	Nil
		Papaya	50 gm	50 gm	Nil
		Bread	¼ no	¼ no	Nil
		Banana	200 gm	200 gm	Nil
15	Python	Chicken	1.50 Kg/a week	1.50 Kg/a week	Mon-Sat
16	Clouded leopard	Chicken	1.00 Kg/six days in a week	1.00 Kg/six days in a week	Sunday
		Beef	500 gm/ six days in a week	500 gm/ six days in a week	Sunday
17	Wild dog	Chicken	1.00 Kg/ six days in a week	1.00 Kg/ six days in a week	Monday
		Beef	250 gm /six days in a week	250 gm /six days in a week	Monday
18	Golden Cat	Chicken	0.50 Kg/ six days in a week	0.50 Kg/ six days in a week	Tuesday
19	Jungle cat	Chicken	500 gm six days in a week	500 gm six days in a week	Sunday
20	Jackal	Chicken	1.00 Kg six days in a week	1.00 Kg six days in a week	Sunday
		Beef	250 gm/ six days in a week	250 gm/ six days in a week	Monday
21	Himalayan Black Bear	Sugarcane	500 gm	500 gm	Nil
		Bread	1 no	1 no	Nil
		Atta	250 g	250 g	Nil
		Gur	100 gm	100 gm	Nil
		Pumpkin	500 gm	500 gm	Nil
		Gram	500 gm	500 gm	Nil
		Banana	300 gm	300 gm	Nil
		Tomato	100 gm	100 gm	Nil
		Wheat bran	500 gm	500 gm	Nil
Cabbage	200 gm	200 gm	Nil		
22	Cobra	Day Old Chicken	1 no / week	1 no / week	Mon-Sat
		Eggs	1no / week	1no / week	Mon-Sat
23	Sambar	Emblica	200 gm	200 gm	Nil
		Common Salt	50 gm	50 gm	Nil
		Green leaf Veg	200 gm	200 gm	Nil
		Green Fodder	10.00 kgs	10.00 kgs	Nil
		Gram	500 gm	500 gm	Nil
		Wheat bran	500 gm	500 gm	Nil
24	Barking Deer	Emblica	50 gm	50 gm	Nil
		Common Salt	50 gm	50 gm	Nil
		Green leaf Veg	200 gm	200 gm	Nil
		Green Fodder	4.00 kgs	4.00 kgs	Nil
		Wheat bran	250 gm	250 gm	Nil
25	Serow	Carrot	100 gm	100 gm	Nil
		Common Salt	50 gm	50 gm	Nil
		Tapioca	900 gm	900 gm	Nil
		Green leaf Veg	200 gm	200 gm	Nil
		Green Fodder	5.00 kgs	5.00 kgs	Nil
		Pumpkin	250 gm	250 gm	Nil

		Gram	200 gm	200 gm	Nil
		Wheat bran	500 gm	500 gm	Nil
26	Porcupine	Pineapple	100 gm	100 gm	Nil
		Potato	200 gm	200 gm	Nil
		Green leaf Veg	250 gm	250 gm	Nil
		Gram	250 gm	250 gm	Nil
		Banana	200 gm	200 gm	Nil
27	Wild Pig	Potato	200 gm	200 gm	Nil
		Green leaf Veg	500 gm	500 gm	Nil
		Pumpkin	250 gm	250 gm	Nil
		Rice	500 gm	500 gm	Nil
		Pig con feed	1.50 kgs	1.50 kgs	Nil
		Cabbage	250 gm	250 gm	Nil
28	Goral	Common Salt	50 gm	50 gm	Nil
		Green leaf Veg	500 gm	500 gm	Nil
		Green Fodder	4.00 kgs	4.00 kgs	Nil
		Gram	200 gm	200 gm	Nil
		Wheat bran	300 gm	300 gm	Nil
29	Tortoise	Green leaf Veg	300 gm	300 gm	Nil
		Pumpkin	100 gm	100 gm	Nil
		Cabbage	100 gm	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	

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	Wild pig	Fenbendazole	March, August & Novemer
2	Wild dog	Fenbendazole	March, August & Novemer
3	Stum tailed macaque	Fenbendazole	March, August & Novemer
4	Serow	Fenbendazole	March, August & Novemer
5	Rhesus macaque	Fenbendazole	March, August & Novemer
6	Sambar Deer	Fenbendazole	March, August & Novemer
7	Pig tailed macaque	Fenbendazole	March, August & Novemer
8	Himalayan black bear	Fenbendazole	March, August & Novemer
9	Assamese macaque	Fenbendazole	March, August & Novemer
10	Barking Deer	Fenbendazole	March, August & Novemer
11	Capped langur	Fenbendazole	March, August & Novemer
12	Goral	Fenbendazole	March, August & Novemer
13	Hoolock gibbon	Fenbendazole	March, August & Novemer
14	Jackal	Fenbendazole	March, August & Novemer
15	Jungle cat	Praziquantel, pyrantel pamoate	March, August & December
16	Leopard cat	Praziquantel, pyrantel pamoate	March, August & December
17	Golden cat	Praziquantel, pyrantel pamoate	March, August & December
18	Clouded leopard	Praziquantel, pyrantel pamoate	March, August & December
19	Wild dog	Praziquantel, pyrantel pamoate, Fenbendazole	March, August & December
20	Jackal	Praziquantel, pyrantel pamoate, Fenbendazole	March, August & December
21	Binturong	Praziquantel, pyrantel pamoate	March, August & December

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			
21	Serpent Eagle			
22	Brown wood owl			
23	Khalij pheasant			
24	Parakeet			
25	Red jungle fowl	Closed	Chlorinated compound, Detergent, Blow lamp	As per requirement
26	Leopard cat			
27	Porcupine			
28	Slow lorries			
29	Flying squirrel			

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

Health check-up not conducted for employees for Zoonotic disease during 2017-18.

18. Development Works carried out in the zoo during the year 2017-18

SI/No	Name of Items	Expenditure (Rs in lakh)	
		CZA Fund	State Fund
1	Construction of Retaining Wall neat Leopard Enclosure	-	3.061
2	Construction of breast wall at the approach road of animal section from Residential Complex	-	1.51
3	Construction of Retaining Wall at Visitor Gallery near Rhesus macaque Enclosure	-	1.296
4	Construction of pucca side drain	-	1.278
5	Construction of Collapse Wall Fencing near R.O Quarters	-	0.626

6	Construction of Retaining Wall below Hog Badger Enclosure	-	0.509
7	Maintenance of R.O Office	-	0.50
8	Renovation of Forest Rest House	-	0.40
9	Clearing of Road between Residential Complex and Postmortem Room	-	0.22
10	Maintenance of Foot Path between Interpretation Centre to Hoolock gibbon wet moat	-	0.20
11	Development/ Extension of Water Pipe lines	-	6.07
12	Reconstruction of Tiger Enclosure gallery and approach Road	-	5.03
13	Fire Protection	-	0.729
14	Clearing of landslip at Residential Complex approach road and Quarters	-	0.446
15	Reconstruction of Collapse Wall Fencing Upper side of NH 54 Sairang Road	-	1.544
16	Reconstruction of Collapsed Retaining Wall at the Approach Road of Serow Gallery	-	0.240
17	Reconstruction of Collapse Wall Fencing at Upper side of Petrol Pump NH 54 Sairang Road	-	3.358
18	Reconstruction of Collapse Wall Fencing below Veterinary Dispensary	-	2.120
19	Reconstruction of Collapse Wall Fencing below Quarters No. Z/8	-	0.950
20	Vertical Extension of Clouded Leopard Enclosure (<i>Visitor side</i>)	-	0.216
21	Vertical Extension of Tiger Enclosure (<i>Visitor side</i>)	-	0.334
22	Vertical Extension of Bear Enclosure (<i>Visitor side</i>)	-	0.295
23	Clearing of landslip at Residential Complex Approach Road and Quarantines	-	0.420
24	Clearing of landslip below Barking Deer Enclosure (<i>Visitor footpath</i>)	-	0.026
25	Construction of Reptiles Enclosure (State Matching Share)	-	3.260
26	Construction of Stump tailed macaque Enclosure (SMS)	-	2.840
	Total		37.478

19	Education and Awareness programmes during the year	<ol style="list-style-type: none"> 32 Schools of 1360 student visited Aizawl Zoological Park during the year 2017-18 28 NGO's of 825 its member visited Aizawl Zoological Park during 2017-18 <p>- There visits greatly benefits 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.</p>
20	Important Events and happenings	<ol style="list-style-type: none"> Celebration of National Wildlife Week during 1st Week of October 2017 Observance of Green Mizoram Day 2017 Observance of World Environment Day i.e 05.06.2017 Swatch Bharat Programme organized during 2017 Celebration of United Nations World Wildlife Day on 03.03.2018
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	<p>The following persons are allowed Research work carried out at Aizawl Zoological Park as below:-</p> <ol style="list-style-type: none"> Miss Ruby Laldingliani, M.Sc Zoology Dept Student Mizoram University <p>-Topic : Collection of Blood for DNA extraction to ascertain the species on <i>Assamese macaque, Pig tailed macaque, Rhesus macaque, Stump tailed macaque, Hoolock gibbon and Serow.</i></p>

		<p>2. Miss Vanlalrohli, M.Sc Zoology Dept. Student Mizoram University - Topic : Collection of Blood for DNA extraction on Assamese macaque, Pig tailed macaque, Rhesus macaque, Stump tailed macaque, Hoolock gibbon and Serow.</p> <p>3. 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.</p> <p>4. Dr. Parimal Chandra Ray Project Co-ordinator, TSAs, North East Field Project: Assam. Topic : The diversity and status of freshwater turtles and tortoises in India Zoo</p>
23	Conservation Breeding Programme of the Zoo	<p>Conservation Breeding Programme of <i>Hoolock gibbon</i>, <i>Stump-tailed macaque</i>, <i>Hume Pheasant</i> and <i>Burmese Brown Tortoise</i> 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.</p>

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

A	Animals arriving in the Zoo				
	H.No	Species	Number (M:F:U)	From which Zoo	Date of arrival in the Zoo
		Female Bear cub	0:1:0	Rescued	04.03.2018
		Serow	1:0:0	Rescued	09.03.2018
		Himalayan griffon	0:0:1	Rescued	09.03.2018
		Brown Wood Owl (Unsexed)	0:0:1	Donation	01.03.2018
		Brown Wood Owl (Unsexed)	0:0:1	Donation	17.03.2018
B	Animals going from the zoo				
	H.No	Species	Number (M:F)	Going to which Zoo	Date of deposition from the Zoo
	Nil	Nil	Nil	Nil	Nil

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

15	Jungle cat	<i>Felis chaus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
16	Golden cat	<i>Catopuma temminckii</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1
17	Jackal	<i>Canis aureus</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1
18	Slow loris	<i>Nyctilebus bengalensis</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1
TOTAL:			44	47	16	107	1	1	-	3	5	-	-	-	-	-	-	-	56	60	2	118

BIRDS (Endangered Species)																							
Sl No.	BIRDS	Scientific Name	Opening stock as on 01.04.2017				Birth			Acquisition/ Donation			Disposal			Deaths			Closing stock as on 31.3.2018				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Burmese peofowl	<i>Pavo muticus</i>	-	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
2	Hume's pheasant	<i>Syrmaticus humiae</i>	1	3	-	4	-	-	-	-	-	-	-	-	-	1	1	-	-	2	-	2	
3	Kalij pheasant	<i>Lophura leucomelana</i>	2	4	-	6	-	-	-	-	-	-	-	-	-	-	1	-	2	3	-	5	
TOTAL:			3	8	-	11	-	-	-	-	-	0	-	-	-	1	2	-	2	5	-	7	

REPTILES (Endangered Species)																						
Sl no.	REPTILES	Scientific Name	Opening stock as on 01.04.2017				Births			Acquisition/ Donation			Disposal			Deaths			Closing stock as on 31.03.2018			
			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>Naja kaouthia</i>	-	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
TOTAL:			-	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	10
GRAND TOTAL :-			47	59	22	128	1	1	-	3	5	3	-	-	-	1	2	-	58	69	8	135

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>	-	-	2	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	3
TOTAL:			5	6	4	15	-	-	-	-	-	3	-	-	-	-	-	-	5	6	7	18

REPTILES (Other than Endangered Species)

Sl. No	REPTILES	Scientific Name	Opening stock as on 01.04.2017				Births			Acquisition/ Donation			Disposal			Deaths			Closing stock as on 31.03.2018			
			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	-	16
2	Turtle (Unidentified)	-	-	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5
2	Elongated tortoise	<i>Indotestudo elongata</i>	-	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5
TOTAL:			9	10	7	26	-	-	-	-	-	-	-	-	-	-	-	-	9	10	7	26
GRAND TOTAL :-			75	87	33	195	1	1	1	4	5	3	-	-	-	2	2	-	85	98	23	206

ANNUAL INVENTORY OF AIZAWL ZOOLOGICAL PARK 2017 - 2018

ABSTRACT

Sl No.	SPECIES	STATUS	Opening stock as on 01.04.2017				BirthS			Acquisition			Disposals			Deaths			Closing stock as on 31.03.2018			
			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>	44	47	16	107	1	1	-	3	5	-	-	-	-	-	-	10	56	60	2	118
2	Birds	<i>Endangered Species</i>	3	8	11	22	-	-	-	-	-	-	-	-	-	1	2	3	2	5	-	7
3	Reptiles	<i>Endangered Species</i>	-	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	10
4	Mammals	<i>Other Species</i>	14	13	-	27	-	-	1	-	-	-	-	-	-	1	-	2	13	13	1	27
5	Birds	<i>Other Species</i>	5	6	4	15	-	-	-	-	-	3	-	-	-	-	-	3	5	6	7	18
6	Reptiles	<i>Other Species</i>	9	10	7	26	-	-	-	-	-	-	-	-	-	-	-	-	9	10	7	26
Total No. of animal exhibited in the Zoo			75	41	28	207	1	1	1	3	5	3	-	-	-	2	2	18	85	98	23	206

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 Post mortem report
1	Sambar deer	<i>Rusa unicolor</i>	M	19.6.2017	Chronic Pneumonia
2	Hume pheasant	<i>Syrmaticus humiae</i>	F	28.5.2017	Infighting
3	Burmese peafowl	<i>Pavo muticus</i>	F	2.4.2017	Prolapsed of vagina and inflammation uterus
4	Hume pheasant	<i>Syrmaticus humiae</i>	M	24.12.2017	Pneumonia
5	Khalij Pheasant	<i>Lophura leucomelana</i>	F	13.03.2018	Infighting
6	Himalayan black bear	<i>Ursus thibetanus</i>	F	16.10.2017	Infighting
7	Bear cub	<i>Ursus thibetanus</i>	U	13.09.2017	Killed by other inmates

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>Efforts for growing trees were not successful.</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>Proposal submitted to the State Government.</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	By 31.12.2008	10.08.2006	<i>Complied</i>

		accommodation to the keepers, supervisory staff and the veterinary officer should be made within / near to the zoo campus.			
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>Complied</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>Not yet complied. Proposal submitted to the State Government.</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>A pair of Himalayan griffon is housed in Pied Hornbill enclosure. A pair of Crested serpent eagle is housed in their own enclosure.</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>A pair is housed in a bigger enclosure</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>Not yet complied</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>Not yet complied due to not posted Veterinary Officer</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	Not yet complied
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</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	5 male and 2 female of Wild pig has been sterilized efforts being taken to sterilized Macaque and Sambar
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>Not yet complied</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

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 Owlet
10. Upupa eops 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 bulbul
25. Oriental Turtle Dove 26. Common Emerald 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 Ratsnake 8. Copper- headed Trinket Snake
9. Spot -tailed Pit Viper 10. Asian Vine Snake

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AIZAWL ZOOLOGICAL PARK

