

# ANNUAL REPORT 2016-2017 AIZAWLZOOLOGICAL PARK MIZORAM

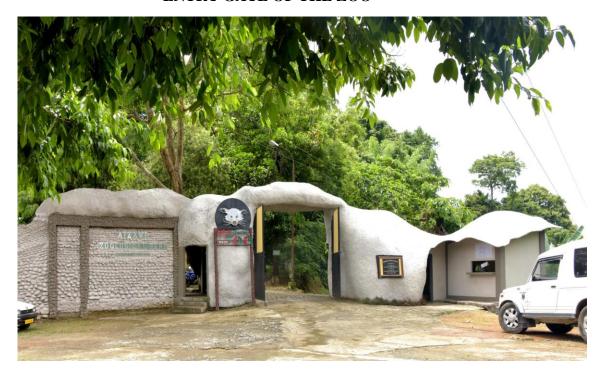






Department of Environment, Forests and Elimate Change
Covernment of Mizoram

### ENTRY GATE OF THE ZOO





AZP achieved remarkable success in conservation breeding of Hume's pheasant, *Hoolock gibbon* and Stump tailed macaque.

### 1. About Aizawl Zoological Park:

Aizawl Zoological Park is located 14Kms away from the State Capital Aizawl and at a walking distance by the side of Aizawl–Sairang road NH54. 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.

### 2. OBJECTIVES:

- 1) To develop a self-sustainable and genetically viable population of endangered species of animals, to be utilized as gene pool for long term wildlife conservation.
- 2) To provide necessary health care, hygienic food in sufficient quantity and a high quality of housing and display.
- 3) To facilitate research on wildlife conservation.
- 4) To promote awareness among common people about importance of wildlife conservation.

### 3. FACT FILE:

3.1 Area of Zoo : 65 Ha.

3.2. Location : Situated 14 Km away from Aizawl

near Lungverh HQ 5<sup>th</sup> Bn IR

Latitude: 23° 47' 29" N

Longitude: 92° 40′ 12″ E

3.3 Name of Controlling Authority: DCF (Wildlife), Wildlife Division, Aizawl &

Director, Aizawl Zoological Park,

Environment & Forests Department,

Government of Mizoram.

### 3.4 Staff Position (Sanctioned) : DCF/Director 1 no. ii) Curator 1 no. iii) V.O 1 no. iv) UDC 1 no. v) LDC 1 no. vi) Storekeeper 1 no. vii) Forester 2 nos. viii) Forest Guard 2 nos. 2 nos. viii) Ticket operator ix) Animal feeder/keeper -5 nos. x) Ward staff cum cleaner -5 nos. xi) Watch / Security -4 nos. xii) Mali 3 nos. xiii) Chowkidar 1 no. xiv) Peon 1 no. xv) Sweeper 1 no. Total -32 nos. 3.5 Particular of Enclosures (a) Open air moated enclosure:i) Barking Deer x) Brush-tailed Porcupine xv) Binturong ii) Sambar Deer xi) Himalayan Black Bear iii) Jackal xii) Assamese macaque iv) Leopard Cat xiii) Malayan Sunbear v) Stump tailed macaque xiv) Pig tail macaque vi)Wild pig vii) Serow

xvi) Tortoise

xvii) Clouded leopard

viii) Reptile – 6nos.

ix) Capped langur

### (b) Open wet moated enclosure :-

i) Hoolock gibbon

### (c) Aviaries:-

- i) Hume's Pheasant
- ii) Green (Burmese) Peafowl
- iii) Red Jungle Fowl
- iv) Kalij Pheasant
- v) Serpent Eagle

### (d) Conservation of breeding enclosure

- i) Hoolock gibbon Breeding Centre.
- ii) Hume's Pheasant Breeding Centre.
- iii) Stump tailed macaque Breeding Centre.
- iv) Asian Brown tortoise Breeding Centre.

### (e)Nocturnal House

Some animals which are active during the night time are kept in the nocturnal house such as Indian Porcupine, Jungle Cat, Civet Cat, Slow Loris etc.

### (f) Animal Quarantine

The newly collected and orphan animals are kept in the Animal quarantine facility.

3.6 Inventory report of AZP : Detail report enclosed separately at

as on 1.4.16-31.3.17 Annexure-I

3.7 Fire Incidence cases during : No incidence of fire since fire line has been

the year constructed satisfactorily and proper watch

and ward is provided during dry season.

3.8 Zoo area utility for different

Purposes : Roads & paths = 1.02 ha

Residential quarters = 1.75 ha

View point = 0.071 ha

Water supply arrangement = 0.20 ha

Zoo dispensary = 0.05 ha

Booking office = 0.014 ha

R.O office = 0.012 ha

Stores = 0.02 ha

Animal houses including shelter & caves = 5.09 ha

Nature trail (Herbivores safari) = 0.03 ha

Reptiles enclosure = 0.50 ha

Lawn and garden = 2.00 ha

### 3.9 Existing Buildings

### A. Non-Residential

- i) R.O. Office 1no.
- ii) Visitor Retiring Shed 1no.
- iii) Veterinary Dispensary- 1no.
- iv) Isolation Ward 1no.
- v) Interpretation Centre 1no.
- vi) Feed Store 1no.
- vii) Incinerator 1no.
- viii) Post mortem 1 no.
- ix) Watch/View Tower 2 nos.
- x) Animal quarantine 1 no.
- xi) Orchidarium 1 no.

### B. Residential

- i) ACF/Curator qtrs. 1no.
- ii) R.O. Quarter 1no.
- iii) Forester Quarter 7nos.
- iv) Forest Guard Quarter 7nos.
- v) Counter operator qtrs. 1 no.
- vi) Chowkider quarter 1 no.
- vii) VFA quarter 1 no.

### 3.10 Vehicle

### 1 No. Bolero Camper

### 4. Training and educational program conducted during 2016-17:.

### a) One day training Programme for following trainees from Forest Training School, Aizawl:

- 1. Four nos of Foresters and fifteen nos of Forest Guard (Regular training Course) on 4.2.2017
- 2. Forest Rangers (Refresher Course) on 10/2/2017.
- 3. Fifteen nos. of Forest guards (Refresher Course) on 24/3/2017.
- b) <u>Training For B.V.Sc &A.H Students</u>: From College of Veterinary science and Animal husbandry, Selesih First year students 60 nos on 12.1.2017.
- c) Education to School children: About 1361 nos of students from 38 Schools visited the Zoo during the reporting year. Their visit greatly benefitted the students, imparting awareness about importance of wildlife conservation. Their minds were reinforced with the thought about importance of conservation of bio-diversity. It is very encouraging that the younger generation is keen on the concept of ensuring harmony in nature.
- **d)** <u>Visit by NGO's</u>: Following NGO's made visit to the zoo and got benefitted from the conservation educational programme at Zoo.

Names of NGO and the date of their visit are given below:

- 1. Path finder club -3.4.2016
- 2. Joint YMA Bilkhawthlir 17.12.2016
- 3. ASEP 4.1.2017
- 4. Mizoram Film Society 25.3.2017
- 5. Salem veng MHIP 16.11.2016.

### e) <u>Training Programmes attended by Zoo Staff:</u>

- 1. One day Orientation training program on enrichment of animal enclosures was conducted for Zoo feeders during October 2016.
- 2. Regular training course on Forest Guard was attended by P.C. Lalrothanga, Lalduhkima and C.Kapmawia at Forest Training School, Aizawl.
- 3. One week theme base training programme for Zoo keepers on regional basis from 2.1.2017 to 6.1.2017 on "Record keeping and marking of the animals in captivity" sponsored by Central Zoo Authority at Sepahijala Zoological Park, Tripura was attended by Vanlalhruaia, C.Lalthanzauva and F.Lalrinsanga.





### **Interpretation Center:**

Situated near the entrance of the AZP, it is a place for learning about the nature and wildlife through simple yet efficient audio and visual aides

### 5. <u>VETERINARY SECTION AND ANIMAL HEALTHCARE</u>:



The Zoo has one Veterinary Dispensary managed by One Veterinary Officer. The establishment and existence of a successful Zoo greatly depends on efficient Veterinary service and presence of a dedicated Veterinarian.

### **Resume of Works:**

- The Veterinarian has to see the Healthcare of the Zoo inmates and ensure that all the animals receive sufficient and hygienic feed regularly.
- Routine Disinfection of animal enclosures with appropriate disinfectants and deworming at regular interval.
- New animal has to be checked carefully for any disease and observed for a certain period for any form of abnormality before shifting it to the display area.
- Pre and Postnatal care with special medication.
- Laboratory analysis of Faecal sample, Urine and Blood.
- Hand rearing of orphan animals.
- Maintenance of Proper and uptodate Records.
- Identification of animals with Microchips, Ear Tag and Leg band.
- Timely submission of Inventory Reports etc.

### **6. DISTINGUISHED VISITORS:**



Visit by Shri. Rakhesh Garg IAS., Secretary, Ministry of Minority Affairs, Government of India.

### 7. RENEWAL OF RECOGNITION OF AIZAWL ZOOLOGICAL PARK, MIZORAM:

The Central Zoo Authority has extended recognition of Aizawl Zoological Park, Aizawl as "a small category Zoo" under Section 38 H of the Wildlife (Protection) Act, for a period upto 2015 subject to the certain conditions. However, the request for further extension is pending with CZA.

### 8. **REVENUE RECEIVED DURING 2016-2017** : Rs. 1,32,230.00

### 9. BUDGET UTILIZATION / SANCTION DURING 2016-2017:-

Year	CZA	State	C.S.S.	Total	Remark
	Share	Fund	(IFM)		
	54.9	59.02	0.378	114.298	Zoo Development
2016-2017		34.37		34.37	Zoo Feed
		51.24		51.24	Establishment

### **10. No. of visitors during 2016-17** : 15,246 Nos.



Visit by students of Synod Higher Secondary School

### 11. DETAILS OF SANCTION FOR AIZAWL ZOOLOGICAL PARK DURING 2016-2017:

SI. No	Item of Works for Zoo development	Amount
	State Fund	
1	Construction of steel structure roofing and covering wire mesh	0.62
2	Reconstruction of Sambar Deer enclosure wall (Ferro cement)	2.26
3	Painting of steel gate	0.11
4	Separation of Kaleej pheasant enclosure	0.20
5	Repair of damage wall of Rhesus macaque enclosure	0.33
6	Installation of over head syntax tank (2000ltr) at public urinal below veterinary dispensary	0.24
7	Construction of collapsed Tiger enclosure wall	12.00
8	Repairing of damaged platform of Serow enclosure	0.20
9	Maintenance and repair of staff quarter	5.00
10	Renovation/repair works of interpretation centre	10.00
11	Strengthening of RCC flooring/provision of chain link wire mesh wall of nocturnal house	2.00
12	Renovation & maintenance of Hoolock gibbon breeding for 2 cells	3.00
13	Const. of feeding crates	0.97
14	Animal signages	0.28
15	Stabilization and construction of proper drainage in Sambar enclosure	2.00
16	Repairing of veterinary hospital building	1.00
17	Repairing of toilets 3 nos. for visitor	0.59
18	Painting and renovation of enclosure wall	1.09
19	Landscaping and beautification work along the visitor area	1.05
20	Hedge planting along roadside pathways	1.35
21	Construction of shed structure macaque enclosure	0.78
22	Maintenance of visitors resting shed 4 nos.	0.46
23	Construction of visitor shed 1 No.	0.50
24	Maintenance & repairing of feed store	1.00
25	Repairing & maintenance of RCC water tank	1.00
26	Maintenance of repairing side drain	1.50
27	Improvement of Rose garden	0.94
28	Construction of vermicompose unit	1.50
29	Retaining wall for veterinary hospital road	1.83
30	Retaining wall below incinerator	3.36
31	Retaining wall below jackal enclosure	1.86
	Total	59.02

	For recurrent expenditure under State fund	
32	Zoo electricity Bill	0.75
33	Engagement of fire watchers	0.65
34	New electric connection	0.91

35	Establishment	51.24
36	Zoo feed	34.38
	Total	87.93

	Under CSS : IFM	
37	Creation and maintenance of Fireline	0.38

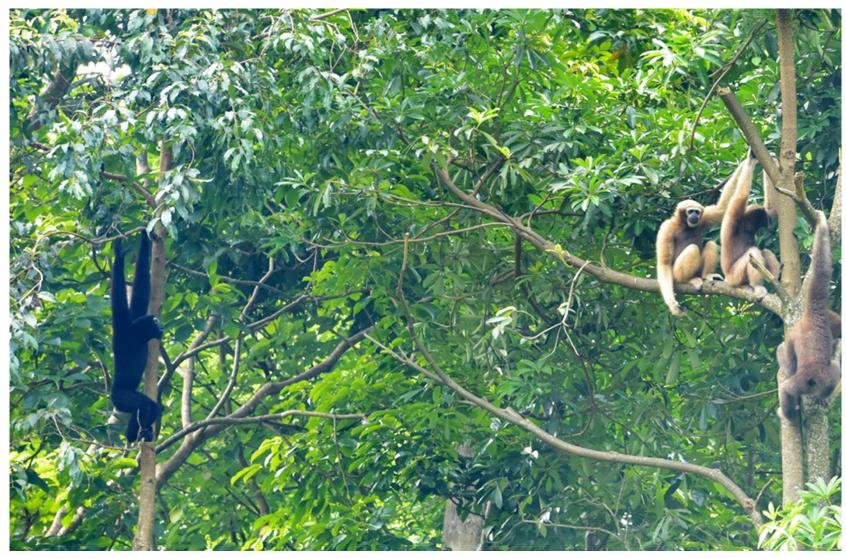
	Under CZA Fund		
38	Construction of Stump tailed macaque enclosure		25.57
39	Re-construction of Reptile enclosure		29.33
		Total	54.90
	SMS (Sanction awaited against CZA share)		
40	Construction of Stump tailed macaque enclosure		2.84
41	Re-construction of Reptile enclosure		3.26
		Total	6.10



Capped Langur (Trachypithecus pileatus)



Himalayan Griffon (Gyps himalayensis)



Hoolock Gibbon (Hoolock hoolock) moving freely in their enclosure



Clouded Leopard (Neofelis nebulosa)



Wild Dog with cubs (Cuon alpinus)



Male Female

Serow (Capricornis rubidus): The State animal



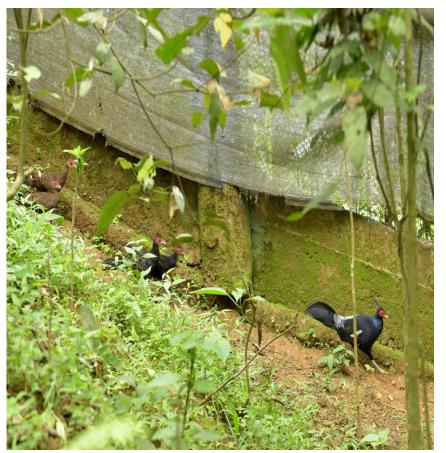
Binturong (Arctictis binturong) Male



Goral (Nemorhaedus griseus)



The State Bird – Hume's Pheasant (Syrmaticus humiae)



Kalij Pheasant (Lophura leucomelana lathami)



Leopard cat

### Format of Zoo Keeper's diary which was distributed to Zoo Keepers



### Aizawl Zoological Park Zoo-Keeper's Diary



Name:		Date :/_		11me : : :
Sl.No	Section / Enclosure Hming	Ramsa Hming	Thil Hmuhchhuah	Enkawl dan
Remarks	:			
	120			
	Incharge	R.O.	V.O.	Curator/Director

		ANNUAL INVENT	OI V				<b>U</b> . <i>i</i>	``				.00				`-'	,,,		• •							
																					AN	NE	XUF	REI	-A	
					EN	DAN	IGE	REI	D S	PEC	CIES	3														
	MAMMALS																									
SI.		Scientific Name			ock	g 014		Bi	rth		A	cqui	sitic	n	D	isp	osa			Dea	aths			as	g St on .201	
No	NAME OF MAMMALS		M	F	U	Т	M	F	U	T	M	F	U	Т	M	F	U	Т	M	F	U	T	M	F	U	T
1	Clouded Leopard	Neofelis nebulosa	1	1		2																	1	1		2
2	Binturong	Arctictis binturong	1			1																	1			1
3	Leopard Cat	Prionailarus bengalensis		2		2														1				1		1
4	Serow	Naemorhedus sumatraensis	1			1						1		1									1	1		2
5	Brush Tailed Porcupine	Atherurus macrourus	1			1																	1			1
6	Capped langur	Presbytispileatus		1		1																		1		1
7	Hoolock gibbon	Hylobates Hoolock	2	4	2	8																	2	4	2	8

6 8 2 16

TOTAL OF MAMMALS

		ANNUAL INVENTOR	RY	OF	Al	ZAV	VL.	ZO	OL	OG	ilC	ΑL	РΑ	RK	20	16	-20	17								
																				AN	NE	KUF	REI	-B		
				ENI	DAN	IGE	REI	) SI	PEC	IES																
Since   Scientific Name   Sc																										
ei.		Scientific Name	_					Bi	rth		Ac	cqui	sitio	on	C	Dispo	osal	ANNEXURE I-B  Closing Sto as on 31.3.2015  T M F U T M F U  1 1 2 1 3  1 1 2 2 3  2 2 4 2 3								
	NAME OF BIRDS		М	F	U	Т	M			Т									М	F	U	Т	M	F	U	Т
1	Burmese peafowl	Pavo muticas		1		1																		1		1
2	Hume's pheasant	Syrmaticus humiae	1	3		4	1	1		2									1	1		2	1	3		4
3	Serpent Eagle	Spilormis cheela		1		1							1	1										1	1	2
4	Khalij pheasant	Lophura leucomelanos	1	1		2	2	3		5	1	1		2					2	2		4	2	3		5
5	Himalayan Griffon	Gyps himalayensis			2	2																			2	2
		TOTAL OF BIRDS	2	6	2	10	3	4		7	1	1	1	3		0		0	3	3		6	3	8	3	14

		ANNUAL INVENTOR	RΥ	OF	Αl	ZAV	VL.	ZO	OL	OG	SIC.	AL	PA	RK	20	16	-20	)17	•							
																					ΔΝ	NF	XUF	? F I	-C	
				ENI	DAN	IGE	RED	) S	PEC	:IES	3										AII	146	ΛO1	\_ I	-0	
	REPTILES																									
SI. No.	NAME OF REPTILES	Scientific Name	_			tock 2014		Bi	rth		A	cqui	isitio	on	С	Disp	osa	ı		De	aths				on	ock 5
			М	F	U	Т	M	F	U	Т	М	F	U	Т	М	F	U	Т	M	F	U	Т	М	F	U	Т
1	Asian Brown Tortoise	Manouria emys	9	7		16																	9	7		16
2	Indian Softshell turtle	Cuora amboinensis			1	1																			1	1
3	Keel Box Turtle	Pyxidea mouhotii			2	2																			2	2
4	Indian Roof turtle	Kachugna sylhetensis		1		1																		1		1
5	Asian Leaf Turtle	Cyclemys dedtata			1	1																			1	1
6	Python	Python molurus	3		6	9											1	1			1	1	3		6	9
7	Monitor lizard	Varanus bengalensis			1	1											1	1							0	0
8	Elongated tortoise	Indotesludo elongata	2	3		5		<u></u>															2	3		5
9	Monocelete cobra	Naja kaouthia	1	2		3																	1	2		3
		TOTAL OF REPTILES	15	13	11	39											2	2			1	1	15	13	10	38

## ANNUAL INVENTORY OF AIZAWL ZOOLOGICAL PARK 2016-2017 OTHER SPECIES ANNEXURE I-D

### MAMMALS

				Ope		_																				
SI.	Name of MAMMALS	Scientific Name	20		ock	2014		Biı	rth.		۸۵	·aui	sitic	n.		Disp	000			Dos	aths					tock .2015
No			M	F	U.4.2	T	М	F	U	Т	M	,qui F	U	T	М	F	USa U	Т	М	F	U	Т	M	F	U U	Z013
			141	•		•	141	•	0	•	141	•		•	141	•	U	•	141	•		•	141	•		_
1	Sambar	Cervus unicolor	2	7	1	10																	2	7	1	10
2	Barking Deer	Muntiacus muntjak	3	7		10																	3	7		10
3	Wild pig	Sus Scrofa	3	3		6																	3	3		6
4	Jackal	Carisanrocus	2	2		4																	2	2		4
5	Himalayan black bear	Jalenandosthelabalus	6	4		10					2	1		3					1			1	7	5		12
6	Porcupine	Hystiexhadgsore	2	2		4													1	1		2	1	1		2
7	Assamese macaque	Maccacaassamese	4	3		7			7	7													4	3	9	16
8	Rhesus macaque	Maccacamulata	10	15		25									2	2		4					8	13		21
9	Stump tailed macaque	Maccacaaretoides	12	11	1	24																	12	11	1	24
10	Pig tail macaque	Maccacanemestrina	4	3		7			3	3													4	3	3	10
13	Wild dog	Cuon Alpinus	3	3		6																	3	3		6
14	Goral	Neamorhedus Goral	1			1																	1			1
	TOTAL OF OTHER SF	PECIES OF MAMMALS	52	60	2	114			10	10	2	1		3	2	2		4	2	1		3	50	58	14	122

		ANNUAL INVENT	ГОБ	RY	OF	Al	ZA	WL	ZC	Ol	LO	GIC	AL	. P/	٩Rk	<b>〈</b> 2	016	6-20	017	,						
					ОТ	HEI	R S	PEC	CIES	3										ΑN	INE	ΧU	RE	I-E		
	BIRDS																									
SI.		Scientific Name	st	Ope ock 1.4.2	as c	on		Bi	rth		Ac	qui	sitic	on	[	Disp	osa	I		Dea	aths			as	g Sto on 2015	
No.	Name of BIRDS		М	F	כ	Т	М	F	U	Т	М	F	U	Т	М	F	U	Т	М	F	כ	Т	М	F	U	Т
1	Parakeet (love bird)	Psittacalarinchii	4	5		9																	4	5		9
2	Red jungle fowl	Gallus gallus	1	12		13										11		11					1	1		2
		TOTAL OF BIRDS	5	17		22										11		11					5	6		11

### DIET CHART OF ANIMALS AT AIZAWL ZOOLOGICAL PARK

SI				Requirement/animal	Total/requirement	Total		
No.	Name of Animal	No. of animal	Feed Item	Day/alternate/week	Day/alternate/week	requirement/	Feeding Schedule	
				In kg/gm	In kg/gm	month in kg		
				CARNIVORES				
1	Clouded Leonard	2	Chiken	1.00 kg	2.00 kg	2x26 = 52  kg	6 days/week = 26 days	
1	Clouded Leopard	2	Beef	0.5 kg (500 gm)	1.00 kg	1x26 = 26  kg	-do-	
		Total		1.5 kg	3.00 kg	78.00 kg		
			Chicken	1.00 kg	6.00 kg	6x26 = 156.00	6 days/week = 26 days	
2	Wild Dog	6				kg		
	Wild Dog	6	Beef	0.25 kg (250 gm)	1.5 kg	1.5x26 = 39.00	-do-	
					_	kg		
		Total		1.250 kg	7.5 kg	195.00 kg		
3	Leopard Cat	1	Chicken	0.5 kg (500 gm)	0.5 kg	0.5x26 = 13.00	6 days/week = 26 days	
	_				_	kg		
		Total		0.5 kg	0.5 kg	13.00 kg		
			Day old	1 no.	3 nos.	3x5 = 15  nos.	5 nos/month	
4	Cobra	3	chicks					
			Egg	1 no.	3 nos.	3x5 = 15  nos.	5 nos/month	
		Total		2 nos/animal	6 nos/week	30 nos.		
5	Python	7	Chicken	1.5 kg/animal	10.5 kg/week	10.5x5 = 52.5	5/month	
						kg		
		Total		1.5 kg	10.5 kg	52.5 kg		
			Fish	0.1 kg (100 gm)	0.2 kg	0.2x31 = 6.2  kg	Daily	
6	Himalayan Griffon	2	Beef	0.5 kg (500 gm)	1.00 kg	1.00x15 = 15  kg	Alternate days/ month =	
					_		15 days	
		Total		0.6 kg	1.2 kg	21.2 kg		
	Serpent Crested Eagle		Fish	0.1 kg (100 gm)	0.2 kg	0.2x31 = 6.2  kg	Daily	
7		Serpent Crested Eagle 2	2	Beef	0.4 kg (400 gm)	0.8 kg	0.8x15 = 12.00	Alternate days = 15
						kg	days	
		Total		0.5 kg	1.00 kg	18.2 kg		

SI No.	Name of Animal	No. of animal	Feed Item	Requirement/animal Day/alternate/week In kg/gm	Total/requirement Day/alternate/week In kg/gm	Total requirement month in kg	Feeding Schedule
			Green leaf vegetable	0.15 kg (150 gm)	1.2 kg	1.2x31 = 37.2  kg	Daily
			Apple	0.05 kg (50 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
			Papaya	0.2 kg (200 gm)	1.6 kg	1.6x31 = 49.6  kg	-do-
	W 1 1 C 1 1	_	Carrot	0.2 kg (200gm)	1.6 kg	1.6x31 = 49.6  kg	-do-
8	Hoolock Gibbon	8	Pineapple	0.2 kg (200 gm)	1.6 kg	1.6x31 = 49.6  kg	-do-
			Bread	½ no.	4 no.	4x31 = 124  nos.	-do-
			Egg	1 no.	8 nos.	8x31 = 248  nos. 2.4x31 = 74.4	-do-
			Banana	0.3 kg (300gm)	2.4 kg		-do-
			Tomato	0.1 kg (100 gm)	0.8 kg	0.8x31 = 24.8	-do-
		Total		1.2 kg, ½ Bread,1 egg	9.6 kg, 4 bread, 8	297.6 kg,124 bread,	
					eggs	248 eggs	
	Capped Langur		Tomato	0.1kg (100gm)	0.1 kg	0.1x31 = 3.1  kg	Daily
			Ground Nut	0.1 kg (100 gm)	0.1 kg	0.1x31 = 3.1  kg	-do-
			Papaya	0.2 kg (200 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
9		1	Carrot	0.2 kg (200 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Pineapple	0.2 kg (200 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Banana	0.4 kg (400 gm)	0.4  kg $0.4 x 31 = 12.4  kg$	-do-	
			Bread	¹⁄₄ no.	½ no.	$\frac{1}{4} \times 31 = 7.75$	-do-
		Total		1.2 kg, ¼ bread	1.2 kg, ¼ bread	37.2 kg, 7.75 bread	
			Pineapple	0.1 kg (100 gm)	2.1 kg	2.1x31 = 65.1  kg	-do-
	Rhesus Macaque		Bread	½ no.	5.25 nos.	5.25x31=162.75 nos	-do-
10		21	Green leaf veg	0.25 kg (250 gm)	5.25 nos.	5.25x31=162.75 kg	-do-
10		21	Pumpkin	0.15 kg (150 gm)	3.15 kg	3.15x31=97.65 kg	-do-
			Gram	0.15 kg (150 gm)	3.15 kg	3.15x31=97.65 kg	-do-
			Banana	0.2 kg (200 gm)	4.2 kg	4.2x31=130.2 kg	-do-
		Total		0.85kg, ½ bread	17.85kg, 5.25	553.35kg, 162.75	

					bread	bread	
			Pineapple	0.1 kg (100 gm)	1.6 kg	1.6x31=49.6 kg	Daily
			Bread	¹⁄₄ no.	4 nos.	4x31=124 nos.	-do-
11	Assamese Macaque	16	Green leaf veg.	0.25 kg (250 gm)	4 kg	4x31=124 kg	-do-
11	Assamese Macaque	10	Pumpkin	0.15 kg (150 gm)	2.4 kg	2.4x31=74.4 kg	-do-
			Gram	0.15 kg (150 gm)	2.4 kg	2.4x31=74.4 kg	-do-
			Banana	0.2 kg (200 gm)	3.2 kg	3.2x31=99.2 kg	-do-
	Total			0.85 kg, ½ bread	13.6 kg, 4 bread	421.6 kg, 124 bread	
			Pineapple	0.1 kg (100 gm)	2.4 kg	2.4x31=74.4 kg	-do-
			Bread	¹⁄₄ no.	6 nos	6x31 = 186  nos.	-do-
12	Stump tailed Macaque	24	Green leaf veg.	0.25 kg (250 gm)	6 kg	6x31 = 786  kg	-do-
12	Siump ianea Macaque	24	Pumpkin	0.15 kg (150 gm)	1.35 kg	1.35x31 = 41.85  kg	-do-
			Gram	0.15 kg (150 gm)	1.35 kg	1.35x31 = 41.85  kg	-do-
			Banana	0.3 kg (300 gm)	7.2 kg	7.2x31 = 223.2  kg	-do-
	Total			0.95 kg, ½ bread	18.3 kg, 6 bread	567.3, 186 bread	
	Pig Tailed Macaque		Pineapple	0.1 kg (100 gm)	1 kg	1x31 = 31  kg	-do-
			Bread	¹⁄₄ no.	2.5 nos	2.5x31 = 77.5  nos.	-do-
13		10	Green leaf veg.	en leaf veg. 0.25 kg (250 gm) 2.5 kg 2.5x	2.5x31 = 77.5  kg	-do-	
13		10	Pumpkin	0.15 kg (150 gm)	1.5 kg	1.5x31 = 46.5  kg	-do-
			Gram	0.15 kg (150 gm)	1.5 kg	1.5x31 = 46.5  kg	-do-
			Banana	0.3 kg (300 gm)	3 kg	3x31 = 93  kg	-do-
	T	otal		0.95 kg, ½ bread	9.5 kg,2.5 bread	294.5 kg,77.5 bread	
			Gur	0.1 kg (100 gm)	1.2 kg	1.2x31 = 37.2  kg	-do-
			Sugarcane	0.5 kg (500 gm)	6.00 kg	6x31 = 186  kg	-do-
			Atta	0.25 kg (250 gm)	3.00 kg	3x31 = 93.00  kg	-do-
14	Himalayan Black Bear	12	Pumpkin	0.5 kg (500 gm)	6.00 kg	6x31 = 186  kg	-do-
14	Піташуан Віаск Веаг	12	Gram	0.5 kg (500 gm)	6.00 kg	6x31 = 186  kg	-do-
			Banana	0.3 kg (300 gm)	3.6 kg	3.6x31 = 111.60  kg	-do-
			Tomato	0.1 kg (100 gm)	1.2 kg	1.2x31 = 37.20  kg	-do-
			Wheat Bran	0.5 kg (500 gm)	6.00 kg	6x31 = 186  kg	-do-
	Total			2.75 kg	33.00 kg	1023.00 kg	
15	Binturong	1	Papaya	0.5 kg (500 gm	0.5 kg	0.5x31 = 15.5  kg	
13	Diniurong	1	Egg	1 no.	1 no.	1x15 = 15  nos.	Alternate Days

			Banana	0.3 kg (300 gm)	0.3 kg	0.3x31 = 9.3  kg	Daily
			Green leaf	0.05 kg (50 gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
			Veg.				
	7	Total		0.85 kg, 1 egg	0.85 kg, 1 egg	26.35 kg, 15 eggs	
			Emblica	0.2 kg (200gm)	2.00 kg	2x31 = 62  kg	Daily
			Common Salt	0.05 kg (50gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
16	Sambar	10	Green leaf veg.	0.02 kg (200gm)	2.00 kg	2.0x31 = 62  kg	-do-
10	Samvar	10	Green Fodder	10.00 kg	100 kg	100x31 = 3100  kg	-do-
			Gram	0.5 kg	5.00 kg	5x31 = 155  kg	-do-
			Wheat Bran	0.5 kg	5.00 kg	5x31 = 155  kg	-do-
	7	<b>Total</b>		11.27 kg	114.5 kg, 1 egg	3549.5 kg, 15 eggs	
			Emblica	0.05 kg (50 gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
			Common salt	0.05 kg (50 gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
17	Barking Deer	10	Green leaf veg.	0.2 kg (200 gm)	2.00 kg	2x31 = 62.00  kg	-do-
			Green Fodder	4.00  kg	40.00 kg	40x31 = 1240.00  kg	-do-
			Wheat Bran	0.25 kg (250 gm)	2.5 kg	2.5x31 = 77.5  kg	-do-
	7	<b>Total</b>		4.55 kg	45.5 kg	1410.5 kg	
			Carrot	0.1 kg (100 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Common Salt	0.05 kg (50 gm)	0.1 kg	0.1x31 = 3.1  kg	-do-
			Tapioca	0.2 kg (200 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
			Green Leaf	0.2 kg (200 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
18	Serow	2	Veg.				
			Green Fodder	5.00 kg	10.00 kg	10x31 = 310.00  kg	-do-
			Pumpkin	0.25 kg (250 gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
			Gram	0.2 kg (200 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
			Wheat Bran	0.5 kg (500 gm)	1.00 kg	1x31 = 31.00  kg	-do-
		<u> </u>		6.5 kg	13.00 kg	403.00 kg	
	Goral		Common salt	0.05 kg (50gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
			Green leaf veg.	0.5 kg (500 gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
19		1	Green Fodder	4.00 kg	4.00 kg	4x31 = 124.00  kg	-do-
			Gram	0.2 kg (200 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Wheat Bran	0.3 kg (300 gm)	0.3 kg	0.3x31 = 9.3  kg	-do-

	7	Total		5.05 kg	5.05 kg	156.55 kg	
			Potato	0.2 kg (200 gm)	1.2 kg	1.2x31 = 37.2  kg	-do-
			Green leaf	0.5 kg (500 gm)	3.00 kg	3.00x31 = 93.00  kg	-do-
			Veg.		-		
20	Wild Pig	6	Pumpkin	0.25 kg (250 gm)	1.5 kg	1.5x31 = 46.5  kg	-do-
			Pig	1.5 kg	9.00 kg	9x31 = 279  kg	-do-
			concentrated				
			feed				
	7	<b>Total</b>		2.45 kg	14.7 kg	455.7 kg	
	Porcupine	2	Pineapple	0.1 kg (100 gm)	0.2 kg	0.2x31 = 6.2  kg	Daily
			Tapioca	0.2 kg (200 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
21			Green leaf veg.			0.5x31 = 15.5  kg	-do-
21			Gram	0.25 kg (250 gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
			Banana	0.2 kg (200 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
			Potato	0.2 kg (200 gm)	0.4 kg	0.4x31 = 12.4  kg	-do-
		Total		1.2 kg	2.4 kg	74.4 kg	
	Flying Squirrel	1	Papaya	0.05 kg (50 gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
22			Gram	0.05 kg (50 gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
`			Banana	0.2 kg (200 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Bread	¹⁄₄ no.	¹⁄₄ no.	$\frac{1}{4} \times 31 = 7.75 \text{ nos.}$	-do-
		Total		0.3 kg, ¼ bread	0.3 kg , ½ breac	O'r	
23	Tortoise	26	Green leaf Veg	<u> </u>	7.8 kg	7.8x31 = 241.8  kg	-do-
23			Pumpkin	0.1 kg (100gm)	2.6 kg	2.6x31 = 80.6  kg	-do-
	Total			0.4 kg (400 gm)	10.4 kg	322.4 kg	
24	Monitor Lizard	`1	Egg	1 no	1 no	1x31 = 31  nos.	-do-
		T-4-1		1	1	121 21	I

1 no

1 no

1x31 = 31 nos.

Total

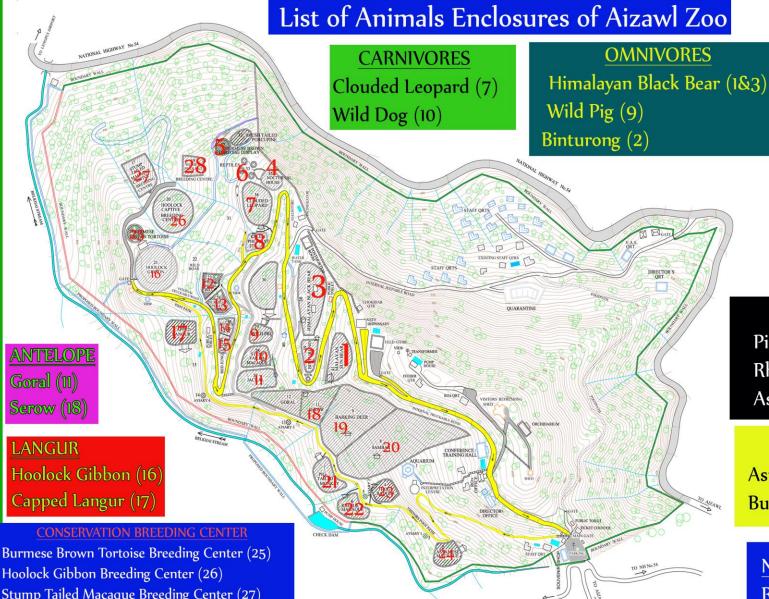
				BIRDS			
			Tomato	0.05 kg (50 gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
			Ground nut	0.1 kg (100gm)	0.1kg	0.1x31 = 3.1  kg	-do-
25	Peafowl	1	Papaya	0.05 kg (50 gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
			Chicken con. feed	0.15 kg (150 gm)	0.15 kg	0.15x31 = 4.65	-do-
			Green leaf veg	0.05 kg (50 gm)	0.05 kg	0.05x31 = 1.55  kg	-do-
		Total		0.4 kg (400 gm)	0.4 kg	12.4 kg	
			Ground nut	0.1 kg (100 gm)	0.5 kg	0.5x31 = 15.5  kg	-do-
			Pineapple	0.05 kg (50 gm)	0.25 kg	0.25x31 = 7.75  kg	-do-
26	Kalij Pheasant	5	Chicken con. feed	0.05 kg (50 gm)	0.25 kg	0.25x31 = 7.75  kg	-do-
20	Kanj I neasam	3	Green leaf veg	0.05 kg (50 gm)	0.25 kg	0.25x31 = 7.75  kg	-do-
			Castanopsis	0.05 kg (50 gm)	0.25 kg	0.25x31 = 7.75  kg	-do-
			Dal	0.05 kg (50 gm)	0.25 kg	0.25x31 = 7.75  kg	-do-
		Total		0.35 kg (350 gm)	1.75 kg	54.25 kg	
	Hume's Pheasant		Ground nut	0.1 kg (100 gm)	0.4 kg	0.4x31 = 12.4  kg	Daily
		4	Pineapple	0.05 kg (500 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
27			Chicken con. Feed	0.05 kg (500 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
21			Castanopsis	0.05 kg (500 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Green leaf veg.	0.05 kg (500 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
			Dal	0.05 kg (500 gm)	0.2 kg	0.2x31 = 6.2  kg	-do-
		Total		0.35 kg (350 gm)	1.4 kg	43.4 kg	
			Rice Grain	0.05 kg (50 gm)	0.1 kg	0.1x31 = 3.1  kg	-do-
28	Red Jungle Fowl	2	Chicken con. Feed	0.12 kg (120 gm)	0.24 kg	0.24x31 = 7.44  kg	-do-
			Green leaf veg.	0.05 kg (500 gm)	0.1 kg	0.1x31 = 3.1  kg	-do-
		Total	1	0.22 kg	0.44 kg	13.64 kg	
	Parakeet		Banana	0.05 kg (50 gm)	0.45 kg	0.45x31 = 13.95  kg	-do-
29		9	Pineapple	0.025 kg (25 gm)	0.225 kg	0.225x31 = 6.975  kg	-do-
2)		9	Rice grain	0.02 kg (20 gm)	0.18 kg	0.18x31 = 5.58  kg	-do-
			Green leaf veg.	0.05 kg (50 gm)	0.45 kg	0.45x31 = 13.95  kg	-do-
		Total		0.145 kg	1.305 kg	40.445 kg	

### Guide Map Of









### **DEERS**

Barking Deer (19) Sambar Deer (20)

### **BIRDS**

Kaleej Pheasant (8 & 14) Himalayan Griffon (12) Burmese Peafowl (13) Red Jungle Fowl (15)

### **MACAQUE**

Pig Tailed Macaque (21) Rhesus Macaque (22) Assamese Macaque (24)

### **CHELONIAN**

Asian Brown Tortoise (23) Burmese Brown Tortoise (5)

NOCTURNAL HOUSE (4) **REPTILE ENCLOSURE (6)** 

Hoolock Gibbon Breeding Center (26) Stump Tailed Macaque Breeding Center (27) Humes Pheasant Breeding Center (28)