

# SEPAHIJALA ZOOLOGICAL PARK

## ANNUAL REPORT 2017-18



**SEPAHIJALA ZOOLOGICAL PARK**  
**FOREST DEPARTMENT, GOVERNMENT OF TRIPURA**

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## Director's Message

The Sepahijala Zoological Park, Tripura is an important tourist destination in Tripura state attracting lakhs nature lover every year. Visiting Sepahijala Zoological Park, Tripura leaves an experience of pilgrimage in to nature in to nature.

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There has been a tremendous effort to maintain its serenity amidst the densely urban conglomeration. Zoo authorities always aimed at exhibition of animals in excellent natural surroundings, aimed at exhibition of animals in excellent natural surroundings, meeting their physical, behavioural and psychological needs, so that animals display their natural behaviour.

Zoo also taken up conservation breeding programmes for the four species like spectacle langur, Clouded leopard, binturong and Pig tailed macaque. The project is funded by the Central Zoo Authority, MOEF &CC, New Delhi, India and we are very thankful for their contribution and constant guidance.

Education is another fields, Sepahijala Zoological Park takes up in order to create awareness on the conservation of environment, forest and wildlife. Many of our visitors are children and we believe they could be the ambassador for spreading the message of conservation across.

Our conservation endeavours are not limited within the walls of the zoo but also help save wild animals by taking rescue operations whenever the calls come from the public being only one zoo in entire state. The Sepahijala Zoological Park, Tripura has been playing a great role in animal rescue operation and animal health management. The disciplined zoo staffs are devoted to the animal welfare, security and thrive to provide healthy environment to the animals.

I am proud of the achievement of Sepahijala Zoological Park this past year, and it would not have been possible without a committed team of field officers, veterinarians, animal keepers and clerical staffs.

We are thankful to Central Zoo Authority, MOEF &CC, New Delhi, India, PCCF & HOF Forest department, Government of Tripura, Chief Wildlife Warden, Forest department, Government of Tripura, Deputy Conservator of Forests, District Forest Officer, Sepahijala District and additional District Forest Officer, Sepahijala District, for their constant support and guidance in developing Sepahijala Zoological Park

NARESH JAMATIA, TFS  
Director  
Sepahijala Zoological Park

## History of the Zoo

The story goes that there was a camp of “sepoy” of the then Maharaja of Tripura on the side of marshy area locally called “jala” near existing Forest Training School, Sepahijala. Thereafter, the name of this place was coined as Sepahijala. Earlier, this area was highly rich in wild flora and fauna. With the rapid expansion of population, the pressure on the forest of Sepahijala has been increased resulting gradual diminishing of forest cover. In order to protect this hot spot of biodiversity, an idea of setting up of Bio-complex was mooted and therefore Sepahijala Bio-complex came into existence in the year 1972 with setting up of a Botanical garden and a small Deer Park. The Deer Park was gradually elevated to the status of Zoo.

## About us

S. No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	Sepahijala Zoological Park
2	Year of Establishment	1972 as Deer park
3	Address of the Zoo	Sepahijala Zoological Park Bishalgarh, Sepahijala District, Tripura, Pin-799102
4	State	Tripura
5	Telephone No.	Nil
6	Fax Number	Nil
7	E-mail address	Directorsepahijalazoo@gmail.com
8	Website	www.triputaforest.co.in
9	Distance from nearest	Airport: 29km Railway station: 8km from bishagarh murapara Bus stand: 6km from Bishalgarh Bus stand
10	Recognition valid up to (date)	22 <sup>nd</sup> March, 2019
11	Category of Zoo	Medium Zoo
12	Area (in Hectares)	68.0
13	Number of Visitors(Financial year 2017-18)	Adult:124665 Children:7032 Total Foreigners:7 Total Visitors:131690
14	Visitors' facilities available in Zoo	Canteen, Drinking water tank, Rest shed ,Wheel chair, Sitting benches
15	Weekly Closure Day of the Zoo	Friday
<b>Management Personnel of the Zoo</b>		
16	Name with designation of the Officer in-charge	Shri Naresh Jamatia, TFS, Assistant Conservator of Forests, Govt. of Tripura
17	Name of the Veterinary Officer	Dr.Keshab Debnath,TVS
18	Name of the Curator	Shri Vannunsangha Darlong, Range Officer, Tripura Forest Department
19	Name of Biologist	Nil Sri Chiranjib Debnath for Conservation Breeding Centre of Sepahijala Zoo(2017-18)Sponsored by CZA
20	Name of the Education Officer	NIL
21	Name of the Compounder/Lab Assistant	Nil
22	Owner/Operator of the Zoo	Tripura Forest Department
23	Name of the operator	Chief Wildlife Warden, Forest Department, Govt. of Tripura
24	Address of the Operator	Chief Wildlife warden Aranya Bhawan, Pandit Nehru Complex, Gorkhabasti, P.O-Kunjaban Agartala, Tripura-799006
25	Contact details/Phone number of Operator	0381-2323779
26	E-mail address of Operator	chiefwildlife@gmail.com/Pccftripura@gmail.com

## Our Vision

There has been worldwide cry for conservation and protection of Bio-diversity for the very existence of mankind as with the increasing pressure of population, Bio-diversity has been getting depleted day by day. The significant factor is the diminishing of wild animals with great rapidity. The habitat being shrunk rapidly their conservation has become arduous which warns to have conservation in captivity. Sepahijala Zoo is one of such effort where in more than 50 species of wild animals have been kept for conservation and protection.

## Our Mission

To conserve and breed endangered & rare fauna, particularly the primates of Tripura , Clouded Leopard, Binturong for subsequently restoring the biological attributes and diversity of wildlife in the forests of Tripura in particular and India in general.

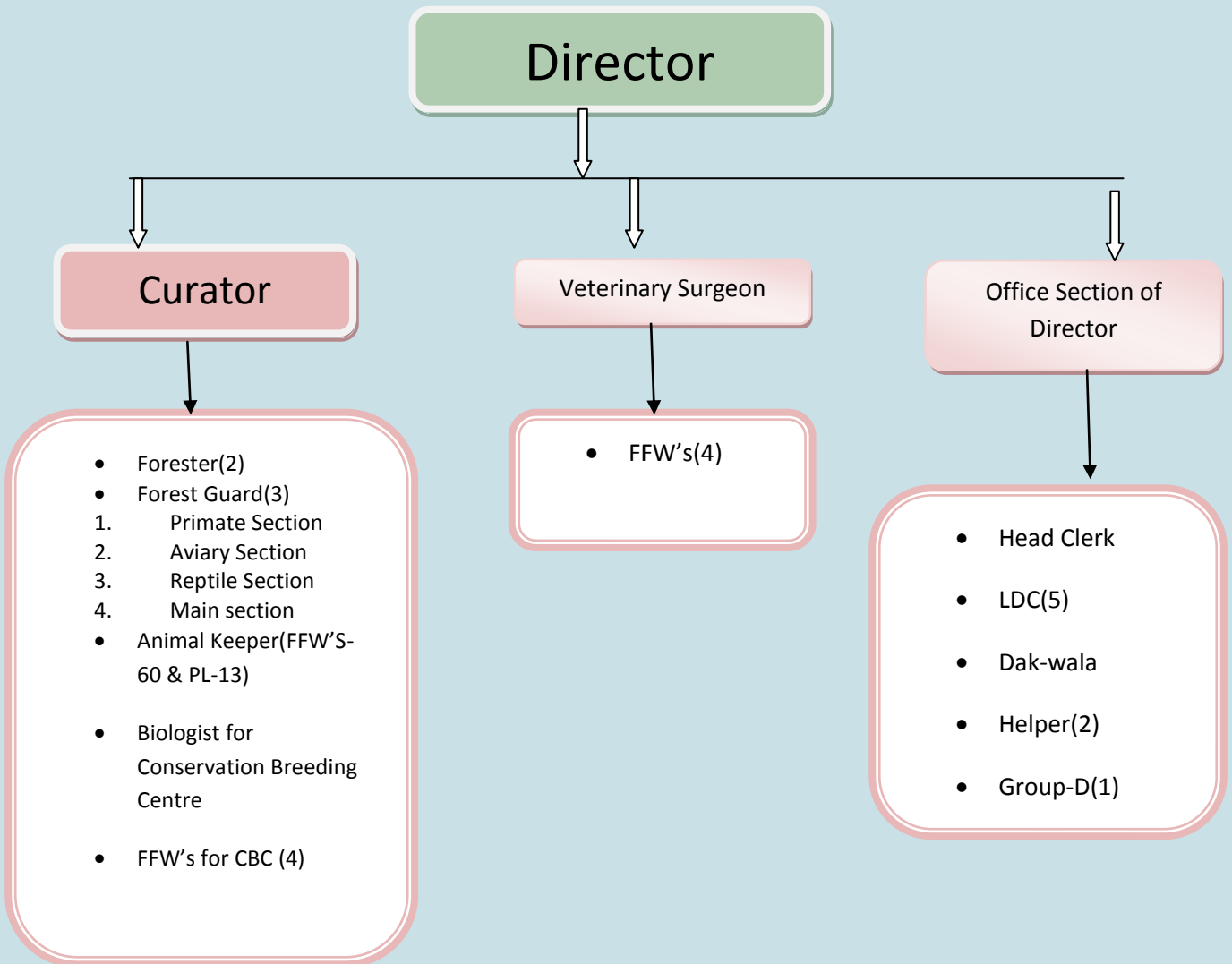
- To generate database about the behaviour, breeding, population dynamics and veterinary care of the animals kept in the zoo for helping the conservation of these animals in the long run.
- To educate people about the faunal richness of the state & the country, for their support for conservation of biodiversity in the state and the country.
- To develop Eco-tourism potential for the people of the state.
- Wildlife education and interpretation for the purpose of communicating conservation values to the visiting public for better understanding and appreciation of wildlife and its role in the ecosystem.
- Captive breeding for the purpose of display and exchange with other zoos and rehabilitation of endangered and threatened species.
- Scientific study and Research on animal behaviour, nutrition, reproduction disease etc.
- Recreation for the purpose of providing wholesome, healthy and educational activity to a large number of people by utilizing the natural setting without detriment to any of the preceding objectives.

## Objectives

The Zoo in the initial stage started to provide recreation to the people of the state and accordingly it started its journey in the shape of mini deer park in the year 1972 and gradually the objective kept on changing as per the National Zoo Rule and also as per guideline of Central Zoo Authority and now the main objective of the Zoo is

- (1) Conservation
- (2) Education
- (3) Research & Recreation.

# Organisational Chart



## Human Resources

### Manpower of the Zoo

SL NO.	Category of Post	Total No. Of person working	No. Of posts Vacant	Remarks
1	Director ( Rank of DCF)	1(ACF)	0	DCF Post
2	Veterinary Surgeon	1	1	
3	Curator	1	0	ACF Post
4	Forest Ranger	0	1	
5	Forester	3	5	
6	Forest Guard	4	5	
7	Veterinary Asstt.Surgeon	0	1	
8	Veterinary Assistant	0	3	
9	Pathologist	0	1	
10	X-ray technician	0	1	
11	Education Officer	0	1	
12	Education Assistant	0	1	
13	Biologist	0	2	
14	Zoo head keeper	0	1	
15	Zoo Keeper/Forest Farm Worker	66	33	
16	Attendant	0	11	
15	Security Personnel	0	15	
18	Ticket Booking Clerk	0	3	
19	Mason	0	1	
20	Carpenter	0	1	
21	Welder	0	1	
22	Electrician	0	1	
23	Pump operator	0	2	
24	Sweeper	0	22	
25	Permanent Labour	13	0	
26	Head Clerk	1	0	
27	UDC	1	0	
28	LDC	4	0	
29	Driver	1	0	
30	Dakwala	1	0	
31	MCW	1	0	
32	CCACC	1	0	
33	Group-D	1	0	
Grand Total		100	113	

## Capacity Building of Zoo Personnel

S. No	Name and Designation of the Zoo personnel	Subject matter Training	Period of Training	Name of the Institution where the training attended
1	Dr. Keshab Debnath, TVS, In-Charge of Zoo Hospital, Sepahijala Zoo	Chemical Immobilization and restraint	3 days	National Zoological Park, New Delhi (sponsored by CZA)
2	Dr. Keshab Debnath, TVS, In-Charge of Zoo Hospital, Sepahijala Zoo	ZIMS software(ISIS) for Animal Inventory	3 days	Sepahijala Zoological Park Organised by Species 360 (sponsored by CZA)
3	Sri.Pradip Das, FFW, Sri Krishna Chandra Shil, FFW, Sri Dulal Das,FFW	Training of Zoo keeper	4 days	Nagaland Zoological Park, Dimapur (sponsored by CZA)
4	Naresh Jamatia, TFS Director, Sepahijala Zoo	Annual conference of Indian Zoos on the Workshop "Vision 2030 of the zoos in India"	4days	Sri Chamarajendra Zoological Garden, Mysuru (sponsored by CZA)

### Zoo Advisory Committee

- Date of Constitution-NIL
- Members-NIL
- Dates of which meeting held during the Year-NIL

### Health Advisory Committee

**A. Date of Constitution-** 3<sup>rd</sup> May, 2018 (New Committee of HAC constituted after abolishing old Committee)

**B. Members-**

- HOD, Teaching Veterinary Clinical Complex.
- HOD, Surgery.
- HOD, Medicine.
- HOD, Animal reproduction and Gynaecology.
- HOD, Animal Nutrition.
- HOD, Pathology.

**C. Dates of which meeting held during the Year-  
Meeting Minutes No.:-25**

Meeting Minutes of Health advisory Committee meeting hold on **27/07/2017** at Sepahijala Zoo Library, SepahijalaZoological Park:

List of participants:

Dr. PranabKantiKar, the Superintendent, Vety. Hospital, Abhoynagar	-Member
Dr. Arup Kr. Dey, Dy. Director, State D.I Lab. Agartala	-Member
Sri. A.K Sen, Addl. WLW, Sepahijala WLS	-Spl. Invitee
Dr. M.P Baishya, Asstt. Prof. Vety. Surgery, Vety. College,	-Spl. Invitee
Dr. Mritunjoy Kumar, Asstt. Prof. Vety. Medicine, Vety. College,	-Spl. Invitee
Dr. Ajoy Kr. Saha, Asstt. Prof. Vety. Partasitology, Vety. College,	-Spl. Invitee
Dr. Ramanuj Das, the Superintendent, Vety. Hospital, Bishalgarh	- Spl. Invitee
Sri. VanusangaDalong, Curator, Sepahijala Zoological Park	-Spl. Invitee
Sri. NareshJamatia, Director, Sepahijala Zoological Park	- Convener
Dr. KeshabDebnath, I/c. Forest Vety. Hospital, Sepahijala Zoo	-Member Secretary



### Meeting Minutes No.:-26

Meeting Minutes of Health advisory Committee meeting hold on 12/01/2018 at Sepahijala Zoo Library, Sepahijala Zoological Park:

List of participants:

Dr. PranabKantiKar, the Superintendent, Vety. Hospital, Abhoynagar	-Member
Dr. ShyamalDasgupta, Dy. Director, State D.I Lab. Agartala	-Member
Dr. Mritunjoy Kumar, Asstt. Prof. Vety. Medicine, Vety. College,	-Spl. Invitee
Dr. ApurbaDebbarma, Asstt. Prof. Vety. Partasitology, Vety. College,	-Spl. Invitee
Dr. ArunavaSarkar, V.O, Sepahijala Zoo and V.D Bishramganj	-Spl. Invitee
Sri. VanusangaDarlong, Curator, Sepahijala Zoological Park	-Spl. Invitee
Sri. ChiranjibDebnath, Biologist, Sepahijala Zoological Park	-Spl. Invitee
Sri. NareshJamatia, Director, Sepahijala Zoological Park	- Convener
Dr. KeshabDebnath, I/c. Forest Vety. Hospital, Sepahijala Zoo	-Member Secretary

### Meeting of Health Advisory Committee



1  
10.5.2018

GOVERNMENT OF TRIPURA  
ANIMAL RESOURCES DEVELOPMENT DEPARTMENT  
P.N.COMPLEX, AGARTALA.

NO.F.12/ARDD/GEN/2012/1327-29

Dated, Agartala, the 2nd <sup>May</sup> April 2018

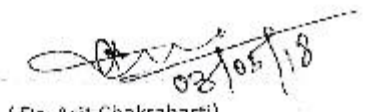
MEMO

Sir,

A health advisory committee of Sepahijala Zoological park has been re-constituted with the following panel of experts for offering health care advice to Sepahijala Zoological authority.

1. HOD, Teaching Veterinary Clinical Complex.
2. HOD, Surgery.
3. HOD, Medicine.
4. HOD, Animal Reproduction and Gynecology.
5. HOD, Animal Nutrition.
6. HOD, Pathology.

This has approval of the Government vide U.O.NO.134/Sery/ARDD Dated 24.04.2018.



(Dr. Asit Chakrabarti)

Director

Animal Resources Development Dept.

Govt. of Tripura.

Copy to:

1. The Principal C.V. Sc. & A.H. K.K. Nagar for kind information.
2. The District Forest Officer, Sepahijala District for information.
3. The Director, Zoological Park, Sepahijala for information.

## Statement of income and Expenditure of the Zoo

SL No.	Financial Year	Total Income( Rs. in Lakhs)	Remarks
1	2017-2018	2068580	Deposited to state Treasury

### Total Fund received and Expenditure

S. No	Scheme	Amount Received (Rs. In Lakhs)	Expenditure (Rs. In Lakhs)	Balance Fund (Rs. In Lakhs)	Remarks
1	Scheme - 14 (state Plan)	23.159	23.159	0.00	Animal Feeds, Medicine and Clothing & bedding
2	CAMPA	50	50.0	0.00	For Zoo Development
3	CZA Fund	31.73		2.54	For Conservation Breeding Centre
4	CZA fund	182.52	57.18	125.34	For Zoo Development
5	Parks & garden (Non-Plan)	1.0	1.0	0.00	For maintenance of Hedges Plants
6	Scheme -1	0.95	0.95	0.00	OE,POL,S & Mat & TE
7	27- Minor Works	67.25	65.25	0.00	For maintenance of Enclosures, Painting of enclosures, Night Shelter and replacement of old mesh wire of Enclosures
<b>Grand Total</b>		<b>356.609</b>	<b>197.539</b>	<b>127.88</b>	

### Total Visitor Flow and revenue Collection

SL No.	Month	Visitors Index			Revenue Collection (Rs. In Lakhs)
		Adult	Minor	Total	
1	April,2017	6928	252	7180	192517
2	May,2017	9323	345	9668	147622
3	June,2017	8350	485	8835	130018
4	July, 2017	5292	261	5553	97203
5	August,2017	5484	157	5641	101264
6	September,2017	4095	158	4253	69465
7	October,2017	8338	264	8602	138074
8	November,2017	7619	231	7850	115078
9	December,2017	19902	1407	21309	316920
10	January,2018	38795	3066	41861	589371
11	February, 2018	5302	231	5533	81434
12	March, 2018	5373	175	5548	89614
<b>Grand Total</b>		<b>124665</b>	<b>7032</b>	<b>131833</b>	<b>2068580</b>

## Daily feeds Schedule of animals

Feed formulation for Compound Ration of **Emu** as per guidelines of IVRI & CZA

Sl. No.	Ingredients	Quantity Percentage
1	Wheat Grain	20%
2	Wheat Bran	12%
3	Yellow Maize	30%
4	Ground Nut Cake (G.N.C)	25%
5	Rice Bran	10%
6	Mineral Mixture	2%
7	Common salt	1%
8	Total	100%

Feed formulation for Compound Ration of **Spotted deer, Sambar, Barking Deer, Hog deer, Black Buck, Hippopotamus, Elephant, Rhinoceros** as per guidelines of IVRI & CZA

Sl. No.	Ingredients	Quantity Percentage
1	Wheat Grain	19%
2	Wheat Bran	14%
3	Yellow Maize	25%
4	Ground Nut Cake (G.N.C)	14%
5	Mustered Oil Cake (M.O.C)	10%
6	Rice Bran	15%
7	Mineral Mixture	2%
8	Common Iodized Salt	1%
9	Total	100%

Feeding Schedule of Sepahijala Zoo Animal's as per guidelines of IVRI & CZA

Sl. No.	Species	Feeds/Animal/Day
1	Himalayan Black Bear ( <i>Ursus thibetanus</i> )	Chapa Banana: - 06 Nos. Apple: - 250 Gm Grapes: - 100 Gm Vegetable (Lao, Carot):- 01 Kg Gomati Toned Milk: - 500 ML Wheat Flour: - 01Kg Boiled Egg: - 01 No. Fresh Dead Fish:- 300 Gm (Wednesday) Green Leaves:- 01 kg Live local Poultry bird:- Avg. 1.125 Kg (On last Friday of each month ) Sugar Cane:- 02 Kg (December- February) Honey:- 500 Gm (January) Jack fruit:- 02 Kg (June-August) Black Berry:- 500 Gm (June-July) Sweet Potato:- 300 Gm (Feb/March)
2	Deer Barking (Kakar) ( <i>Muntiacus muntjak</i> )	Compound Ration:- 01 Kg Black Gram:- 200 Kg Green Vegetable:- 250 Gm Green Grass:- 02 Kg

3	Binturong ( <i>Arctictis binturong</i> )	Chapa Banana: - 06 Nos. Apple: - 200 Gm Grapes:- 100 Gm Green Vegetable:- 700 Gm Boiled Egg:- 01 No. (Weekly 06 days) Dressed Poultry Meat:- 200 Gm ( Weekly once) Bengal Gram:- 100 Gm Live local bird:- AVG. 850 GM (On last Friday of each month)
4	Black Buck (Krishna Mriga) ( <i>Antelope cervicapra</i> )	Deer Ration:- 500 Gm Soaked Gram:- 250 Gm Green Fodder:- 02 Kg
5	Capped Langur ( <i>Trachypithecus pileatus</i> )	Chapa Banana: - 08 Nos. Apple:- 100 Gm Grapes:- 100 Gm Green Vegetable (Carat, Bean etc.) :- 250 Gm Bangle Gram:- 100 Gm Bread:- 50 Gm Fodder & Leaves:-01 Kg
6	Clouded Leopard ( <i>Neofelis nebulosa</i> )	Live local Poultry Bird:- Avg. 0.875 Kg (On last Friday of each month) Dressed Poultry Meat:-1.5 Kg (Consecutive 02 days and 01 day gap)
7	Common Langur ( <i>Semnopithecus entellus</i> )	Chapa Banana: - 08 Nos. Apple:- 100 Gm Bengal Gram:- 100Gm Grapes:- 100 Gm Vegetable:-250 Gm Green Leaves:-01 kg
8	Civet Himalayan Palm / Masked ( <i>Paguma larvata</i> )	Live local Poultry Bird:-Avg. 0.6 Kg (On last Friday of each month) Dressed Poultry Meat:- 300 Gm (Weekly once. (No egg on that day) Chapa Banana: - 05 Nos. (Weekly 06 days) Apple:- 50 Gm (Weekly 06 days) Boiled egg:- 01 No.(Weekly 06 days) Grapes:-100 Gm (Weekly 06 days)
9	Civet Common Palm - Cat Toddy ( <i>Paradoxurus hermaphroditus</i> )	
10	Crocodile Marsh (Mugger ) ( <i>Crocodylus palustris</i> )	She Goat Meat/Dress Poultry Meat:- 01 Kg (Meat and live fish on alternate date) Alive Fish:- 01 Kg
11	Eagle Fishing ( <i>Haliaeetus leucoryphus</i> )	Fresh Dead Fish:- 0.3 Kg (03 days weekly) Dressed Poultry Meat:- 0.3 Kg (04 days weekly)
12	Indian Elephant ( <i>Elephas maximus</i> )	Chapa Banana: - 25 Nos. Bengal Gram:- 04 Kg Wheat Flour:- 06 Kg Weekly 03 Days Paddy/Compound Ration:-08 Kg(Weekly Once) Rice:- 06 Kg (Weekly 03 Days) Banana Plant:- 300 Kg Green Mug:- 04 Kg 12 Kg 384.3 Kg Molasses:- 500 Gm (Except December-February) Common Salt: 150 Gm Sugar Cane:- 10 Kg (December-February) Green Leaves: 50 Kgs Hay: 50 Kg
13	Emu ( <i>Dromaius novaehollandiae</i> )	Chapa Banana: - 04 Nos. Bread:- 250 Gm Cabbage:- 100 Gm Palak Shak/Papaya:- 400 Gm Bengal Gram:- 100 Gm Compound Ration:- 600 Gm

14	Fishing Cat ( <i>Prionailurus viverrinus</i> )	Live local Poultry bird :- Avg. 0.625 Kg (On last Friday of each month) Dressed poultry meat:- 01 Kg (Consecutive 02 days and 01 day gap)
15	Golden Pheasant ( <i>Chrysolophus pictus</i> )	Paddy: - 50 Gm Wheat: - 50 Gm Chapa Banana: - 01 No. Apple:- 50 Gm Dry Fish:- 10 Gm
16	Vulture Himalayan Griffon ( <i>Gyps himalayensis</i> )	Dress Poultry meat:- 0.5 Kg (Only Flesh)
17	Hippopotamus ( <i>Hippopotamus amphibius</i> )	Compound Ration:- 10 Kg Potato:- 02 Kg ChapaBanana:- 2.5 Kg (40 Nos.) Wheat Bhusa/Paddy Bhusa/Paddy Staw:-12 Kg Sugar cane:- 12 Kg (Seasonal) Brinjal/Mixed Vegetable:- 10 Kg Cucumber:- 2.5 Kg Green grass:- 175 Kg
18	Hog Deer ( <i>Axis porcinus</i> )	Compund Ration:- 500 Gm Soaked Gram:- 250 Gm Green Fodder:- 02 Kg
19	Hollock Gibbon ( <i>Bunopithecus hoolock</i> )	Chapa Banana: - 10 Nos. Apple: - 150 Gm Green Vegetable (Carat, bean etc.): - 250 Gm Boiled Egg: - 02 Nos. Grapes:- 100 gm
20	Hornbill Indian Pied ( <i>Anthraceros malabaricus</i> )	Chapa Banana; - 03 Nos. Apple:- 50 Gm Grapes:- 50 Gm Boiled Rice:- 50 Gm Insect/ Earthworm/Small Prawn:- 50 Gm
21	Peafowl ( <i>Pavo cristatus</i> )	Paddy:-50 Gm Wheat: - 50 Gm Chapa Banana: - 02 Nos. Apple:- 200 Gm Bangle Gram:- 50 Gm Mustered Seed:- 20 Gm Dry Fish Meal:- 20 Gm Rice:- 50 Gm Grapes:- 100 Gm
22	Jackal ( <i>Canis aureus</i> )	Live local Poultry Bird:- Avg. 0.875 Kg (On last Friday of each month) Beef:- 01 Kg (80% Flesh & 20% Bone) She Goat meat:- 01 Kg
23	Jungle Cat ( <i>Felis chaus</i> )	Live local Poultry bird:- Avg. 0.625 Kg (On last Friday of each month) Dressed poultry meat:- 0.5 Kg (Consecutive 02 days and 01 day gap)
24	Leopard Cat ( <i>Prionailurus bengalensis</i> )	Live local Poultry Bird:- Avg. 0.6 Kg (On last Friday of each month) Dressed Poultry Meat:- 0.4 Kg (Consecutive 02 days and 01 day gap)
25	Leopard ( Panther) ( <i>Panthera pardus</i> )	Live local Poultry Bird:- Avg. 1.125 Kg (On last Friday of each month) Beef:- 03 Kg (90 % Flesh & 10 % Bone Weekly 06 days)

26	Lion Indian ( <i>Panthera leopersica</i> )	Live Local Bird :- Avg. 1.375 Kg (Only on last Friday of each month) Beef:-09 Kg ( 90% flesh & 10 % bone, Weekly 06 days)
27	Rhesus Macaque ( <i>Macaca mulatta</i> )	Chapa Banana: - 06 Nos. Apple:- 100 Gm Grapes:- 100 Gm Vegetable (Carat, Bean etc.): - 250 Gm Bengal Gram:- 100 Gm Bread:- 50 Gm
28	Monitor Water Lizard ( <i>Varanus salvator</i> )	Poultry Meat 150 Gm
29	Monitor Lizard / Common Indian ( <i>Varanus bengalensis</i> )	
30	Owl Brown Fish ( <i>Ketupa zeylonensis eschena</i> )	Fish Medium Size:- 150 Gm Dress Poultry Meat:- 150 Gm
31	Pelican Rosy / White ( <i>Pelecanus onocrotalus</i> )	Big Fish (Size 200-500 gm of each) Preferably Mrigal and Ragh:- 01 Kg
32	Macaque Pig Tailed ( <i>Macaca leonina</i> )	Chapa Banana: - 7 Nos. Apple:- 100 gm Grapes:- 50 Gm Green Vegetable (Carat, Bean):-250 Gm Bangle Gram:- 100 Gm Bread:- 50 Gm Fodder & Leaves:- 01 Kg
33	Heron Pond ( <i>Ardeola grayii</i> )	Small Fish & Prawn @ 70% and Snail and Molasses @ 30%:- 200 Gm
34	Porcupine Indian ( <i>Hystrix indica</i> )	Chapa Banana:- 05 Nos. Apple 100 Gm 300 Gm 110 Kg Green Vegetable:- 150 Gm Bengal Gram:- 100 Gm Arum Root:-100 Gm (Seasonal)
35	Python Indian -Rock ( <i>Python molurus</i> )	Live local Poultry bird:- 01 No. of 01 Kg
36	Fowl Jungle Red ( <i>Gallus gallus</i> )	Paddy:- 100 Gm Wheat:- 50 Gm Dry Fish Meal:- 10 Gm Mustard Seed:- 20 Gm Rice:- 50 Gm
37	Deer Sambar ( <i>Rusa unicolor</i> )	Compound Ration:- 01 Kg Soaked Bengal Gram:- 500 Gm Green Vegetable:- 800 Gm Green Fodder:- 07 Kg Fodder & Leaves:-01 Kg
38	Pheasant Silver ( <i>Lophura nycthemera</i> )	Paddy: - 50 Gm Wheat: - 50 Gm Chapa Banana: - 01 No. Apple: - 50 Gm Boiled Egg: - 01 No. Dry Fish Meal:-10 Gm
39	Loris Slow ( <i>Nycticebus bengalensis</i> )	Chapa Banana: - 02 Nos. Apple: - 50 Gm Egg:- 02 Nos. Grapes:- 50 Gm

40	Monkey Spectacled Leaf ( <i>Trachypithecus phayrei</i> )	Chapa Banana 7 Nos. Apple 100 Gm Grapes 100 Gm Vegetable 250 Gm Bangle Gram 100 Gm Bread 50 Gm
41	Spotted Deer ( <i>Axis axis</i> )	Compound Ration:- 01 Kg Black Gram:- 200 Gm Green Grass:- 05 Kg
42	Stork Adjutant (lesser) ( <i>Leptoptilos javanicus</i> )	Medium size Fish @ 50-100 Gm each) 500 Gm
43	Tiger Bengal ( <i>Panthera tigris tigris</i> )	Beef (90% Flesh & 10% Bone):- 6.5 Kg (Weekly 06 days) Poultry Meat :-2.5 Kg Live local Poultry bird:- 01 No 1.75 Kg (On last Friday of each month)
44	Tortoise elongated ( <i>Indotestuda elongata</i> )	C  Chapa Banana: - 01 No. Rice:- 25 Gm Chopped Vegetable:- 50 Gm Dressed poultry meat:- 500 gm
45	Turtle Fresh Water/ Indian Soft-shelled/Indian Flap shell Turtle ( <i>Lissemys punctata punctata</i> )	
46	Turtle Peacock marked Soft-shelled ( <i>Nilssonia hurum</i> )	
47	Black Soft-shell Turtle ( <i>Nilssonia nigricans</i> )	
48	Turtle Spotted Black/Pond ( <i>Geoclemys hamiltonii</i> )	
49	Turtle Indian Roofed ( <i>Pangshura tecta</i> )	
50	Vulture White Backed – Bengal ( <i>Gyps bengalensis</i> )	
51	Teal Lesser Whistling ( <i>Dendrocygn javanica</i> )	Small fish & Prawn @ 70% and 30% & Snail and Molasses @ 70% & 30%:- 200 Gm
52	Ibis White ( <i>Threskiornis melanocephalus</i> )	Small fish & Prawn @ 70% and 30% & Snail and Molasses @ 70% & 30%:- 200 Gm
53	Serow ( <i>Capricornis sumatraensis</i> )	Compound Ration:- 01 Kg Black Gram:- 200 Gm Green Grass:- 05 Kg
54	Mongoose Crabbeating ( <i>Herpestes urva</i> )	Medium size Fish @ 50-100 Gm each)
55	Eagle Crested Serpent ( <i>Spilornis cheela</i> )	Dressed poultry meat:- 500 gm
56	Eagle Fishing ( <i>Haliaeetus leucoryphus</i> )	



## Vaccination Schedule of Animals

### Vaccination schedule followed for Bears in Sepahijala Zoological Park

Vaccine	Dose and Route	Frequency	Remarks
Leptospira killed vaccine	1 ml SC	At 3-4 months of age and thereafter annually	ICH has been reported in bears in curtained zoos and multicomponent vaccine containing CAV-2 may be used for protection.
Rabies cell culture (inactivated) veterinary vaccines	1 ml deep IM	3-4 months of age, followed by annual vaccination. Post exposure on day 03, 7, 14, 30 and 90.	-----

### Vaccination schedule followed for Bovids and Cervids in Sepahijala Zoological Park

Vaccine	Dose and Route	Frequency	Remarks
Foot and Mouth Disease (FMD) oil adjuvant inactivated vaccine	2 ml deep IM (large species) 1 ml (small species) 1 ml SC	At 6 months of age, subsequently annual / half yearly vaccination	Take due precaution to avoid flight stress while vaccinating herd / flock. Optional in zoo with past history of disease outbreak. Recommended during the outbreak of disease in livestock in surrounding area.
Haemorrhagic Septicaemia (HS) aluminium hydroxide gel adjuvant inactivated vaccine			Unprotected animals may be vaccinated during an outbreak in livestock of surrounding area.
HS + Black Quarter (BQ) aluminium hydroxide gel adjuvant inactivated vaccine			Combine FMD+HS+BQ vaccine can be used as single shot vaccination.

### Vaccination schedule followed for Canids in Sepahijala Zoological Park

Vaccine	Dose and Route	Frequency	Remarks
Canine distemper (CD)	1 ml SC or IM	Initial 8-9 weeks followed by second vaccination after 4 weeks. Annual vaccination	Take precaution to vaccinate wild caught animals as they may be incubating the disease. Recommended only zoo with history disease occurrence. (CAV-2) provides cross protection against ICH virus.
Canine adenovirus type-2 (CAV-2)			
Canine Parvo virus vaccine (Attenuated live vaccine)			
Infectious canine hepatitis (ICP)			
Rabies cell culture (inactivated) veterinary vaccines	1 ml deep IM	3-4 months of age, followed by annual vaccination. Post exposure on day 03, 7, 14, 30 and 90.	Care should be taken while vaccinating wild caught animals as they may be in carrier state.
Leptospira killed vaccine	1 ml SC	At 3-4 months of age and thereafter annually	Combined vaccines containing CD + CAV-2 + canine parvo + inactivated Leptospira are available and can be used in zoos with history of occurrence of diseases.

### vaccination schedule followed for Felids in Sepahijala Zoological Park

Vaccine	Dose and Route	Frequency	Remarks
Feline panleucopenia	1 ml SC in hind leg	At 3 months, 4 months and 6 months and one year of age followed by annual vaccination	Use small gauge needle and syringe (Tuberculin syringe and 25 gauge needle) to reduce the risk of vaccine induced sarcomas in cats.
Feline rhinotracheitis			
Feline calicivirus trivalent (killed vaccine)			
Rabies cell culture (inactivated) vaccine for animal use	1 ml SC in hind leg	At 3 months of age followed by annual vaccination	Revaccination annually in rabies endemic areas.
Leptospira killed vaccine	1 ml SC	At 3-4 months of age and thereafter annually	Recommended in endemic areas, when animal are exposed to wet damp environments, contaminated water, and high wild rodent populations.

### Vaccination schedule followed for Non-human primates in Sepahijala Zoological Park

Vaccine	Dose and Route	Frequency	Remarks
Diphtheria + Tetanus+ Pertussis vaccine (killed vaccine intended for human can be used)	0.5 ml IM	At 2-3 months, 5-6 months and 8-9 months of age followed by annual booster and may be repeated after 3-5 yr	Vaccination to adult may be avoided.
Tetanus toxoid (Adsorbed)	0.5 ml IM	Two 6-8 weeks apart followed by 3 <sup>rd</sup> injection after 6-8 month. Repeat after 3-5 yr.	Tetanus toxoid can be used alone because Diphtheria and Pertussis are not considered risk to the non-human primates.
Measles, mumps and rubella (human MLV) vaccine can be used)	0.5 ml IM	Initial at 4 months of age. Annual booster	To be decided on the basis of disease endemicity

### De-Worming Schedule of Animals followed in Sepahijala Zoo

Sl. No.	Period	Kind of Animals	Group of Anthelmintic
1	2nd Week of February	1. All Big Cats, Lesser Cats, All Herbivores, Omnivores and Reptiles.	Albendazole
		2. All Primates, Ape and Birds	Fenbendazole
2	2nd Week of April	1. All Big Cats, Lesser Cats, All Herbivores, Omnivores and Reptiles.	Albendazole
		2. All Primates, Ape and Birds	Fenbendazole
3	2nd Week of June	1. All Big Cats, Lesser Cats, All Herbivores, Omnivores and Reptiles.	Fenbendazole
		2. All Primates, Ape and Birds	Mebendazole
4	2nd Week of August	1. All Big Cats, Lesser Cats, All Herbivores, Omnivores and Reptiles.	Mebendazole
		2. All Primates, Ape and Birds	Fenbendazole
5	2nd Week of October	1. All Big Cats, Lesser Cats, All Herbivores, Omnivores and Reptiles.	Fenbendazole
		2. All Primates, Ape and Birds	Albendazole
6	2nd Week of December	1. All Big Cats, Lesser Cats, All Herbivores, Omnivores and Reptiles.	Albendazole
		2. All Primates, Ape and Birds	Mebendazole

## Disinfection Schedule of Sepahijala Zoological Park

S. No.	Schedule	Period	Disinfection used
1	Daily	Monday, Tuesday, Thursday	By savlon (Chlorthexidine gluconate sol.0.3% & strong centinmiale sol. 0.6%)
		Wednesday & Saturday	By Kohrsolin or B-904 (Glu taraldehyde 10gm, 1.6 delydroxy, 2.5 deoxyhexane-1.4 gm, poly methyl derivative-7.2gm)
2	Weekly	Friday	By Savlon (Zeoline-200 or Booster PV is mixed for water purification)
3	Monthly		By potassium permanganate(Potassium permanganate is mixed in low dose after washing the reptiles water trough)
4	Bi-yearly		Top soil of the enclosure of cats, leopard, clouded leopard, binturong by calcium hydroxide (limeO
5	Yearly		Painting walls of all enclosure

## Prophylactic/Preventive Measure Schedule

S. No.	Type	Period/Time
1	Vaccine to the carnivores of the zoo anti rabies' vaccine along with booster dose	April to July & annually
2	Prevention by antibiotic to the Zoo animals	Every quarterly during January, April, August
3	Prevention by Vitamin & minerals to all zoo animals	Every two month interval
4	Anti-Tick measures- Jungle Cleaning, burning and destruction of host plants in around enclosure.	Every quarterly during January, April, August



## Development Works carried out in the Zoo during the year 2017-18

The following animal enclosures & public amenities are completed during the year 2017-18 with the financial assistance from the Central Zoo Authority and state CAMPA fund.

- a. Construction of sitting benches.
- b. Construction of toilet block.
- c. Visitor Rest Shed.
- d. Emu enclosures
- e. Silver Pheasant enclosures
- f. Jackal enclosures.
- g. Jungle fowl enclosures
- h. Lesser cat enclosure
- i. Hoolock gibbon enclosure
- j. Lesser cat enclosures





### Painting of animal Shelters



## Education and Awareness Programmes during the year 2017-18



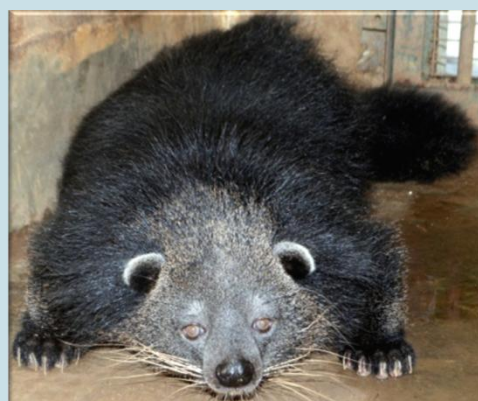
## Important Events and Happenings



Visits of Member Secretary, CZA for Zoo Evaluation



## Conservation Breeding Programme of the Zoo



Central Zoo Authority, Govt. Of India identified Sepahijala Zoological Park as Coordinating Zoo for taking up Conservation Breeding Programme in respect of four Species-

1. Spectacle Langur (*Trachypithecus phayrei*)
2. Clouded Leopard (*Neofelis nebulosa*)
3. Binturong (*Archictis binturong*)
4. Pig-tailed Macaque (*Macaca leonine*)

The CZA has provided towards construction of CB enclosures one for Clouded leopard (Rs.13.37) Two for Binturong (Rs.23.19) one for spectacle langur (Rs. 13.71 lakhs), one for Pig tailed macaque (Rs.13.71) and project house (rs.5.27) with total financial involvement of Rs.69.30 lakhs and the construction has been completed during 2008-09. The CZA Team evaluated Conservation Breeding Project at Sepahijala Zoo 30<sup>th</sup> January, 2011 and also visited by CZA representative to CB enclosures by Shri B.S. Bonal, IFS, Member Secretary, CZA & Dr. P.C. Tyagi, IFS, WII, Dehradun on 10<sup>th</sup> & 11<sup>th</sup> June, 2014. The last visit from the representative of CZA to the CBC enclosures was by Dr. D.N. Singh, Member Secretary, CZA on 15<sup>th</sup> March, 2018.

Status of Animals at Conservation Breeding Centre during the year 2017-18

SL No.	Category	Male	Female	unsex	Total
1	Clouded Leopard	4	3	0	7
2	Spectacle Langur	2	4	10	16
3	Pig tailed Macaque	4	6	7	17
4	Binturong	1	1	0	2



## Animal acquisition/transfer/exchange during the year 2017-18

A.	Animals arriving in the Zoo				
	H. No.	Species	Number(M:F)	From which Zoo	Date of arrival in the Zoo
	Nil	Nil	Nil	Nil	Nil
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

## Rescue and rehabilitation of wild animals carried out by the Zoo

Rescued for the period F.Y 2017-18 and health status report different animals & birds								
Sl. No.	Date	Species	Sc. Name	Number of Animals	Sex	Age	Where from rescued	Remarks
1	2/4/2017	Cat Leopard	<i>Prionailurus bengalensis</i>	1	Male	10 Yrs. (Approx.)	Udaipur Forest Division	Release in SWL on 5/4/17
2	18/4/2017	Python Indian - Rock	<i>Python molurus</i>	1	Un-sex	15 Yrs. (Approx.)	Sepahijala WL	Release in SWL on 25/4/17
3	20/4/17	Cat Leopard	<i>Prionailurus bengalensis</i>	1	Male	1 Yr. (Approx.)	Belonia Forest Division	Release in SWL on 27/4/17
4	26/4/17	Tortoise elongated	<i>Indotestuda elongata</i>	1	Male	25 Yrs. (Approx.)	Sadar Forest Division	Display at Sepahijala Zoo
5	7/6/2017	Bear Himalayan Black	<i>Ursusthibetanus</i>	1	Female	2 months (Approx.)	Amarpur Forest Division	Display at Sepahijala Zoo
6	25/5/17	Loris Slow	<i>Nycticebus bengalensis</i>	1	Male	5 Yrs. (Approx.)	Sepahijala WL	Release in SWL on 25/6/17
7	28/7/2017	Loris Slow	<i>Nycticebus bengalensis</i>	1	Male	8 Yrs. (Approx.)	Bishalgarh Forest Division	Release in SWL on 05/8/17
8	9/8/2017	Turtle Fresh Water / Flepsshell Turtle	<i>Lissemys punctata punctata</i>	7	Un-sex	10-15 Yrs. (Approx.)	Sadar Forest Division	Release in SWL Lake on 12/8/17
9	14/8/2017	Python Indian - Rock	<i>Python molurus</i>	1	Un-sex	10 Yrs. (Approx.)	Bishalgarh Forest Division	Release in SWL on 14/8/17
10	26/8/201	Bear Himalayan Black	<i>Ursusthibetanus</i>	1	Male	2 months (Approx.)	Kanchanpur Forest Division	Display at Sepahijala Zoo
11	26/8/201	Bear Himalayan Black	<i>Ursusthibetanus</i>	1	Female	2 months (Approx.)	Kanchanpur Forest Division	Display at Sepahijala Zoo

12	25/9/2017	Turtle Fresh Water / Flepsshell Turtle	<i>Lissemyspunctata punctata</i>	17	Un-sex	10-15 Yrs. (Approx.)	Sadar Forest Division	Release in SWL Lake on 26/9/17
13	6/11/2017	Python Indian - Rock	<i>Python molurus</i>	1	Un-sex	15 Yrs. (Approx.)	Sonamura Forest Division	Release in SWL on 07/11/17
14	8/11/2017	Turtle Fresh Water / Flepsshell Turtle	<i>Lissemyspunctata punctata</i>	5	Un-sex	10-15 Yrs. (Approx.)	Sadar Forest Division	Out of 5 (five), 04 (four) was died due to dehydration, 01 (one) release in SWL Lake on 10/11/2017
15	13/11/2017	Cat Leopard	<i>Prionailurus bengalensis</i>	1	Male	06 Months. (Approx.)	Sepahijala WL Sanctuary	Release in SWL on 20/12/2017
16	14/11/2017	Langur Capped	<i>Trachypithecus pileatus</i>	1	Male	05 Yrs. (Approx.)	Sepahijala WL Sanctuary	Died due to Motor vehicle accident
17	18/11/2017	Civet CommonPalm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	1	Female	04 Yrs. (Approx.)	Sadar Forest Division	Died due to wound.
18	8/12/2017	Macaque Rhesus	<i>Macacamulatta</i>	1	Male	02 Yrs. (Approx.)	Sepahijala WL Sanctuary	Died due to Motor vehicle accident
19	10/12/2017	Monocled Cobra	<i>Najakaouthia</i>	2	Un-sex	8-10 Yrs. (Approx.)	Sonamura Forest Division	Release in SWL on 15/12/2017
20	10/12/2017	Spectacled Cobra	<i>Najanaja</i>	1	Un-sex	8-10 Yrs. (Approx.)	Sonamura Forest Division	Release in SWL on 15/12/2017
21	10/12/2017	Common Sand Boa	<i>Eryxconicus</i>	1	Un-sex	10-12 Yrs. (Approx.)	Sonamura Forest Division	Release in SWL on 15/12/2017
22	12/12/2017	Loris Slow	<i>Nycticebus bengalensis</i>	1	Male	8 Yrs. (Approx.)	Sonamura Forest Division	Died due to infectious disease.
23	1/1/2018	Turtle Fresh Water / Flepsshell Turtle	<i>Lissemyspunctata punctata</i>	37	Un-sex	10-15 Yrs.	Sonamura Forest Division	Release in SWL Lake on 02/12/17

## Compliance with conditions of stipulated by the Central Zoo Authority

SL. No.	Norm under RZR,2009	Particulars of Suggestion/recommendation	Time Period to Comply	Remarks
<b>1.General requirement</b>				
1	10.1(30)	There are moated island for housing primates in the zoo. It was advice to take steps for re-modeling of this primate island by dressing the inner side of the moats to make more area available in the Island. Only one side of the island should be opened to the visitors. The three sides can be <b>camouflaged by high hedges or creating barrier</b> so that visitors are not on all the sides cornering the animal housed in the island.	One year	Fund Requisition Submitted to FHQ
2	10.1(7)	A waste disposal plan for the zoo should be prepared, which should include the <b>solid waste disposal and liquid waste disposal and drainage</b> . The disposal of the waste should be environment friendly with minimum stress on the environment.	One year	
3	10.1(8)	The Lions housed in front of the leaf monkeys should be relocated	One year	
4	10.1(9)	<b>The fence along the boundary of the zoo should be repaired and maintained regularly</b>	Immediately and regularly	
<b>2. Administrative and staffing Pattern</b>				
5	10.2(2)	The zoo should have adequate scientific and technical staffs to support the officer-in-charge of the zoo in carryi9ng out the responsibilities of housing, upkeep and health care of zoo animals, research and visitor education <b>by posting Education officer and Biologist.</b>	One year	Fund requisition Submitted to FHQ
<b>3. Development and Planning</b>				
6	10.3(1)	<b>Preparation of Zoo Master Plan</b> and its Approval by CZA	immediately	Fund requisition Submitted to FHQ
7.	10.3(3)	All pucca building including the visitor facilities should be planned and located in such a manner that the natural landscape of the zoo has not been masked and the cleanliness and hygiene of the zoo is not affected due to such animal enclosures/structure.	One year	Fund Requisition Submitted to FHQ
<b>4. Animal housing, display of animals and animal enclosures</b>				
8	10.4(1)	All animals of the Zoo should be displayed in <b>nature immersing (naturalistic) enclosures.</b>	One year	Fund requisition Submitted to FHQ
9	10.4(2)	There are many caged enclosures in the zoo. It will be appropriate to <b>construct open top enclosures</b> for all these animals like leopard, Binturong, Leaf monkey, hoolock gibbon etc moats should be created on visitor side only	One year	Fund Requisition Submitted to FHQ
10	10.4(2)	The <b>porcupine enclosures should be demolished</b> since the same does not meet CZA's requirement.	One year	
11	10.4(2)	Enclosures for <b>Indian pied horn</b> bill do not meet its requirement. The area of the aviary should be extended.	One year	
12	10.4(3)	For the safety of animals and visitors, the zoo should not allow any animal houses to be visible to the visitor. The same should be screened immediately. The houses should have appropriate locking system and locks.	One year	
13	10.4(3)	The animal houses of the CBC should be made safe and secure for the animals and animal's keepers.	One year	

14	10.4(6)	All enclosures should be <b>enriched particularly enclosures</b> for common lizards, crocodile and turtles. Sand for basking, submerged water body and place for basking should be provided. The same should be modified keeping in view the requirement of animals. To simulate the conditions, vegetation should be planted inside the enclosures. The enclosure should also be provided wooden logs as environmental enrichment.	One year	
15	10.4(9)	The zoo should <b>plant hedge between standoff barrier and the paddock</b> wall in all animal enclosures.	immediately	Fund requisition Submitted to FHQ
16	10.4(9)	The zoo should provide <b>warning sinage</b> at the animal enclosures	immediately	
17	10.4(9)	The grill provided on the visitor's side in the Himalayan Black bear enclosures should be removed and suitably designed stand-off barrier and adequate warning signs should be provided for keeping visitor safe distance from the animal enclosures. Similar initiatives should be taken for all other animal enclosures which have not been provided with <b>standoff barrier</b> .	One year	
18	10.4(10)	Creation of <b>new sinage and replacement</b> of old sinage by new sinage.	One year	
<b>5.Upkeep and health care of animals</b>				
19	10.5(2)(3)	The zoo should have a sufficient size <b>functioning freezer</b> in the meat processing facility for storage of meat product and to keep cold until it fed to the animals.	immediately	Fund requisition Submitted to FHQ
20	10.5(2)(3)	The Zoo should make arrangement for recording in writing, the detailed observation of the biological behavior, population dynamics and veterinary care of the animals exhibited in the zoo. The data base may be exchanged with the other zoos as well as the Central Zoo Authority.	immediately	
21	10.5(2)	<b>Creation of meat house</b> free from fly and pest free.	Immediately	
<b>6.Veterinary and infrastructure facilities</b>				
22	10.6(1)	The zoo should have independent <b>quarantine and isolation ward</b> at appropriate location so that it functions independently.	Immediately	Fund requisition Submitted to FHQ
23	10.6(1)b	The zoo should have a <b>full flagged veterinary unit</b> with all basic diagnostic facilities, pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and in-patient wards. At present, it is not up to the mark at all.	One year	
24.	10.6(1)(g)	The Zoo should have arrangement of reference laboratory support and rapid transportation of diagnostic samples to nearest veterinary institution equipped with requisite facilities.	One year	
25	10.6(3)	Provision for <b>squeeze case for small and large animals</b> should be made	One year	
26	10.6(3)	Sick animal's room needs proper ventilation and enrichment.	One year	
27	10.6(5)	The zoo should post <b>lab. Assistant and Compounder</b> to assist the Veterinary officer.	One year	
<b>9. Acquisition and breeding of animals</b>				
28	10.9(4)	Procurement of animal through exchange & pairing of single animals present at the Zoo	One year	Fund requisition Submitted to FHQ

<b>10. Research activities</b>				
28	10(10)	The zoo should implement a research plan and conduct research works on different aspects of captive wild animals for effective management.	One year	
<b>11. Education and outreach activities</b>				
29	10(10)	The Zoo should have appropriate signage and interpretation facilities, Souvenir shops etc for carrying out conservation education, outreach and awareness programmes	One year	Fund requisition Submitted to FHQ
<b>12. Visitor facilities</b>				
30	10.12(1)	Procurement of <b>wheel chairs</b> for the physically disadvantaged persons and old & weak person	immediately	Fund requisition Submitted to FHQ
31	10.12(3)	The zoo should make arrangement for providing access to the physically challenged persons for viewing wild animals at animal enclosures by arranging <b>Battery operated vehicles</b> .	one year	

## **Zoo Ethics**

- ❖ Do not Litter
- ❖ Do not tease animals
- ❖ Do not feed animals
- ❖ No Plastics
- ❖ No noise
- ❖ Do not climb on barricades
- ❖ No smoking and alcoholic drink

### List of free living wild animals within zoo premises

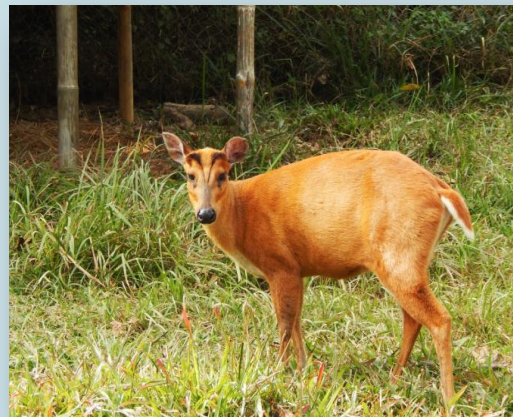
A. Mammals	B. Birds	C. Reptiles
Leopard cat	Jungle fowl	Cobra
Small Indian civet	Wood pecker	Red Snake
Wild cat	Indian roller	Python
Large Indian Civet	Green barbet	Viper
Wild Boar	Spotted dove	Monitor lizard
Porcupine	Bulbul	Banded crai
Mongoose	Drongo	Bamboo pit viper
Palm civet	Oriental pied Hornbill	
Spectacle langur	Parakeet	
Capped langur	Tailor birds	
Slow loris	Jacana	
Pig tailed macaque	Golden Oreal	
Rhesus macaque	Little Cormorant	
Barking deer	Grey Heron	
	Little Egret	
	Common teal	
	Common Buzzard	
	Lawping	
	Greater Coucal	
	Jungle Owlet	
	White Throated kingfisher	
	Barbet	

### Status of animals at Sepahijala Zoological Park

SL No.	Category	Total Species	Male	Female	unsex	Total
1	Schedule I & II Animals & Birds	34	82	77	34	193
2	Schedule III & IV Animals & Birds	16	155	195	0	350
3	Exotic	4	3	3	0	6
<b>Total</b>		<b>54</b>	<b>240</b>	<b>275</b>	<b>34</b>	<b>549</b>

# ANNEXURE

# Mammals





# Birds



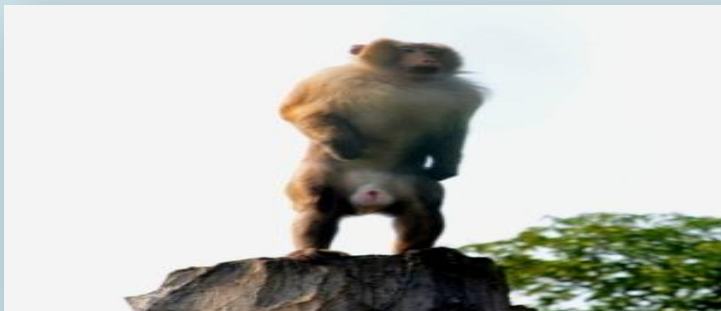
# Reptiles



# Different Mode of Spectacle Langur



# Pig tailed Macaque



# Binturong





*"All creatures  
are deserving  
of a life free from  
fear and pain"*

*-Maura Cummings*

Sepahijala Zoological Park  
Sepahijala District Tripura  
P.O-Bishalgarh, PIN-799102  
Mobile: 8131843631  
Email: [directorsepahiajalazoo@gmail.com](mailto:directorsepahiajalazoo@gmail.com)



## Annual Inventory Report of Schedule I & II Animals & Birds of Sepahijala Zoological Park for the F.Y 2017-18

Sl. No.	Animal Name	Scientific Name	Opening Stock as on 01/04/2017				Birth				Acquisition				Disposal				Death				Closing Stock as on 31/03/2018			
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T
<b>BIRDS</b>																										
1	Hornbill Indian Pied	<i>Anthracoceros malabaricus</i>	3	2	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	2	0	5
2	Vulture White Backed - Bengal	<i>Gyps bengalensis</i>	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
3	Vulture Himalayan Grffon	<i>Gyps himalayensis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
4	Peafowl	<i>Pavo cristatus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
<b>Total of Birds</b>			9	3	1	13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9	3	0	12
<b>MAMMALS</b>																										
5	Bear Himalayan Black	<i>Ursus thibetanus</i>	10	8	0	18	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	0	11	10	0	21
6	Binturong	<i>Arctictis binturong</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1	0	4
7	Cat Jungle	<i>Felis chaus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1
8	Cat Leopard	<i>Prionailurus bengalensis</i>	4	6	5	15	0	0	4	4	0	0	0	0	0	0	0	0	1	0	0	1	3	6	9	18
9	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
10	Gibbon Hoolock	<i>Bunopithecus hoolock</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
11	Langur Capped	<i>Trachypithecus pileatus</i>	4	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	6
12	Monkey Spectacled Leaf	<i>Trachypithecus phayrei phayrei</i>	4	10	8	22	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	5	10	9	24
13	Leopard ( Panther)	<i>Panthera pardus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14	Leopard Clouded	<i>Neofelis nebulosa</i>	7	5	0	12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	6	4	0	10
15	Macaque Pig	<i>Macaca leonina</i>	8	10	9	27	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	7	10	10	27







### Annual Inventory Report of Schedule III & IV Animals & Birds of Sepahijala Zoological Park for the F.Y 2017-18

Sl. No.	Animal's Name	Scientific Name	Opening Stock as on 01/04/2017				Birth				Acquisition				Disposal				Death				Closing Stock as on 31/03/2018			
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T
	<b>BIRDS</b>																									
1	Fowl Jungle Red	<i>Gallus gallus</i>	1	5	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	6
2	Heron Pond	<i>Ardeola grayii</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	Ibis White	<i>Threskiornis melanocephalus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1
4	Pelican Rosy / White	<i>Pelecanus onocrotalus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	3
5	Stork Adjutant (lesser)	<i>Leptoptilos javanicus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
6	Teal Lesser Whistling	<i>Dendrocygna javanica</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
7	Owl Brown Fish	<i>Ketupa zeylonensis leschena</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
8	Eagle Crested Serpent	<i>Spilornis cheela</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
9	Eagle Fishing	<i>Haliaeetus leucoryphus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
10	Dove Spotted	<i>Streptopelia chinensis</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	<b>Total</b>		<b>12</b>	<b>13</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>11</b>	<b>12</b>	<b>0</b>	<b>23</b>
	<b>MAMMALS</b>																									
11	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	3	1	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6
12	Deer Spotted (Chital)	<i>Axis axis</i>	134	176	0	310	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	133	176	0	309
13	Porcupine Indian	<i>Hystrix indica</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
14	Deer Sambar	<i>Rusa unicolor</i>	3	2	1	6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3	1	0	4
15	Deer Hog	<i>Axis porcinus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	<b>Total Mammals</b>		<b>142</b>	<b>182</b>	<b>3</b>	<b>327</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>143</b>	<b>181</b>	<b>0</b>	<b>324</b>
	<b>REPTILES</b>																									
16	Tortoise elongated	<i>Indotestuda elongata</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
	<b>Total of Reptiles</b>		<b>1</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>3</b>
	<b>Total of Animals</b>		<b>155</b>	<b>197</b>	<b>3</b>	<b>355</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>155</b>	<b>195</b>	<b>0</b>	<b>350</b>

**Annual Death Summery report of Schedule I & II animals of Sepahijala Zoological Park for the F.Y of 2017-18**

Sl. No.	Animal Name (with individual identification mark if any)	Scientific Name	Sex	Date of Death	Age on Death	Cause of Death	Remarks
1	Clouded Leopard, House Name: Reshmi, Transponder I.D No.: 0006B887B1	<i>Neofelis nebulosa</i>	Female	15/06/2017	15 Yrs.	The Clouded Leopard died may be due to Infighting injury leads to gangrene and Septicaemia.	Veterinary College, R.K Nagar
2	Black Buck (Krishna Mriga), House Name: Mamata, Local I.D No.: BB-2	<i>Antilope cervicapra</i> ,	Female	12/8/2017	11 Yrs. (Approx.)	The Black Buck (Krishna Mriga) died may be due to Respiratory infection with Gastrointestinal infection at senile age	Forest Veterinary Hospital, Sepahijala Zoological Park
3	Clouded Leopard, House Name: Nandan, Transponder I.D: 0006B73987	<i>Neofelis nebulosa</i>	Male	28/09/2017	25 Yrs. (Approx),	The Clouded Leopard died may be due to Respiratory infection at senile age. For Histo-pathology examination sample send to IVRI, U.P.	Veterinary College, R.K Nagar, West Tripura
4	Common Langur, House Name: Kankana, Local I.D:- 000CL-2	<i>Presbytis entellus</i>	Female	11/12/2017	14 Years,	The Common Langur died may be due to Toxaemia caused by formation of abscess in the liver. For confirmation sample send to IVRI, U.P.	Veterinary College, R.K Nagar, West Tripura
5	Leopard Cat, House Name: Sudip, Local I.D: LC23, Transponder I.D: 956000002192475	<i>Prionailurus bengalensis</i>	Male	8/1/2018	06 Yrs.	The Leopard Cat died due to dehydration caused by enteritis. For confirmation sample send to IVRI, U.P.	Veterinary College, R.K Nagar, West Tripura
6	Binturong, House Name: Hashena, Local I.D: BNT-7, Transponder No.: 0006B7E90C	<i>Arctitis binturong</i>	Female	11/1/2018	26 Yrs.	The Binturong died due to multiple organ failure (heart failure and hepatitis) leading to circulatory collapse at senile age. For confirmation sample send to IVRI, U.P.	Veterinary College, R.K Nagar, West Tripura
7	Pig -Tailed macaque, House Name- Kajal-2, Transponder I.D No. 956000002162684	<i>Macaca leonina</i>	Male	3/2/2018	06 Yrs.	The Macaque Pig Tailed died due to parasitic enteritis leading to debility	Veterinary College, R.K Nagar, West Tripura
8	Hornbill Indian Pied , House Name- Sita, Local I.D No. Local I.D: 000HB2	<i>Anthracoceros malabaricus</i>	Female	28/02/2018	Age: - 26 Yrs. (Approx)	The Hornbill Indian Pied cause of death of the hornbill couldn't ascertained due to autolysis. As per record Hornbill Indian Pied died at senile age.	Veterinary College, R.K Nagar, West Tripura
9	Jungle Cat , House Name: Kabir, Local I.D: WC5, Transponder I.D: 956000002160187	<i>Felis chaus</i>	Male	12/3/2018	08 Yrs. (Approx.)	The Jungle Cat due to the hydronephrosis leading to uremia.	Veterinary College, R.K Nagar, West Tripura

**Annual Death Summery report of Exotic animals of Sepahijala Zoological Park for the F.Y of 2017-18**

<b>Sl. No.</b>	<b>Animal Name (with individual identification mark if any)</b>	<b>Scientific Name</b>	<b>Sex</b>	<b>Date of Death</b>	<b>Age on Death</b>	<b>Cause of Death</b>	<b>Remarks</b>
1	Emu, House Name:Kanika, Local I.D: SEMU-1	<i>Dromaius novaehollandiae</i>	Female	16/11/2017	07 Yrs.,	The Emu died may be due to Bacterial infection. For confirmation sample send to IVRI, U.P for Histo-pathology examination	Veterinary College, R.K Nagar, West Tripura
2	Golden Pheasant, House Name: Raj Kumar, Local I.D: 000GP01	<i>Chrysolophus pictus</i>	Male	12-09-2017	07 Years	The Golden Pheasant died due to infighting with other male animal in same enclosure.	Forest Vety. Hospital, SZP