



Central Zoo Authority
केन्द्रीय चिड़ियाघर प्राधिकरण

SEPAHIJALA ZOOLOGICAL PARK

Tripura



ANNUAL REPORT 2022-2023

CONTENTS

| Sl.No | Section | Page No. |
|-------|--|----------|
| 1. | Director's Message | 3 |
| 2. | History of the Zoo | 4 |
| 3. | Vision | 4 |
| 4. | Mission | 5 |
| 5. | Objective | 5 |
| 6. | About us | 6 |
| 7. | Organizational Chart | 8 |
| 8. | Human Resources | 9 |
| 9. | Capacity Building of the zoo personnel | 10 |
| 10. | Zoo Advisory Committee | 10 |
| 11. | Health Advisory Committee | 10 |
| 12. | Statement of income and expenditure of the Zoo | 11 |
| 13. | Daily feed schedule of animals | 12 |
| 14. | Vaccination Schedule of animals | 18 |
| 15. | De-worming Schedule of animals | 18 |
| 16. | Disinfection Schedule | 19 |
| 17. | Health Check-up of employees for zoonotic diseases | 20 |
| 18. | Development Works carried out in the zoo during the year | 20 |
| 19. | Education and Awareness programmes during the year | 23 |
| 20. | Important Events and happenings in the zoo | 24 |
| 21. | Seasonal special arrangements for upkeep of animals | 32 |
| 22. | Research Work carried out and publications | 33 |
| 23. | Conservation Breeding Programme of the Zoo | 34 |
| 24. | Animal acquisition / transfer / exchange during the year | 35 |
| 25. | Rescue and Rehabilitation of the wild animals carried out by the zoo | 36 |
| 26. | Annual Inventory of animals | 48 |
| 27. | Mortality of animals. | 53 |
| 28. | Status of the Compliance with conditions stipulated by the Central Zoo Authority | 57 |
| 29. | List of free living wild animals within the zoo premises | 79 |

1. Director's Message:

The Sepahijala Zoological Park came into existence initially (in 1972) in the form of one mini deer park with six pair of spotted deers from Alipore Zoo, Kolkata and was developed slowly over the years by introduction of more animals as well as constructing animal housing for Ex-situ conservation & creation of awareness among the masses particularly the school children on the values of wildlife & necessity to conserve it.

It is also an important tourist destination in Tripura state attracting lakhs of nature lovers every year. 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 programs for the four species like spectacled 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.

As far as, Sepahijala Zoological Park is concern, it is not only reproducing the endangered species so as to increase their population but also to generate empathy & awareness among the masses through mobile zoo education and zoo outreach programs. The Sepahijala Zoo tries to meet the curiosity of asking visitors & the foremost amongst them are legible, well designed labels put in front the animal enclosures. School students visiting zoos as a part of educational trips with prior intimation the management, are attended by the zoo officials and who explain the modern objective of zoo management to them.

Our conservation endeavors 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 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 despite of this covid-19 pandemic situation, and it would not have been possible without a committed team of field officers, veterinarians, biologist, 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, District Forest Officer, Sepahijala District for their constant support and guidance in developing Sepahijala Zoological Park.

Biswajit Das, TFS
Director
Sepahijala Zoological Park



2. 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.

3. 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 48 species of wild animals have been kept for conservation and protection.

4. 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.

5. Objective:

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.



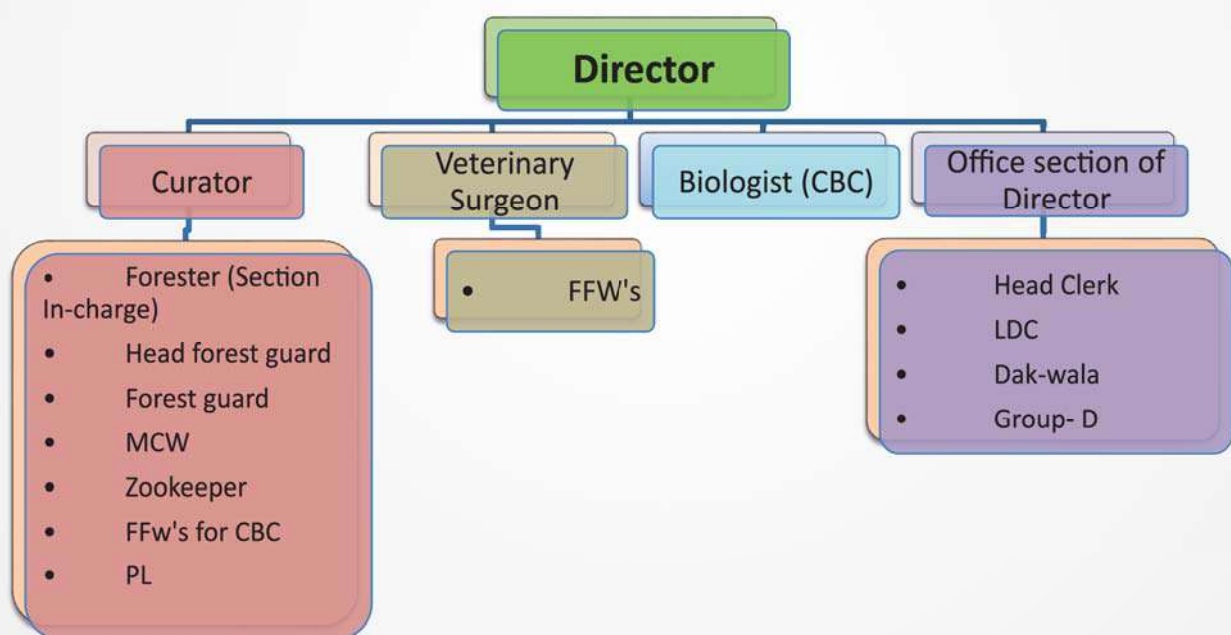
6. About us:

| S.No. | Particulars | Information |
|--|--|--|
| Basic Information about the Zoo | | |
| 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. | 0381-2361225 |
| 6 | Fax Number | Nil |
| 7 | E-mail address | dszoo141@gmail.com |
| 8 | Website | www.tripuraforest.gov.in |
| 9 | Distance from nearest | Airport: 29km |
| | | Railway station: 8km from Bishalgarh murapara |
| | | Bus Stand: |
| 10 | Recognition valid up to (date) | 22 nd March, 2022 |
| 11 | Category of Zoo | Medium Zoo |
| 12 | Area (in Hectares) | 68.0 |
| 13 | Number of Visitors(Financial year 2021-22) Visitors" facilities available in Zoo | Adult: 124690 |
| | | Minor: 12722 |
| | | Total Foreigners: |

| S.No. | Particulars | Information |
|--|--|---|
| | | Total Visitors: 137412 |
| | | Drinking water tank, Rest shed ,Wheel chair, Sitting benches, Battery operated vehicle, Bicycle for visitors, Babycare room, Visitor waiting room, Dustbins, Lavatories etc |
| 14 | Weekly Closure Day of the Zoo | Friday |
| Management Personnel of the zoo | | |
| 15 | Name with designation of the Officer in-charge | Shri Biswajit Das, TFS, Assistant Conservator of Forests, Govt. of Tripura |
| | Name of the Veterinary Officer | Dr. Keshab Debnath, Veterinary Officer. |
| | Name of the Curator | Smt. Jayashri Tripura , Range Officer, Tripura Forest Department |
| | Name of the Biologist | Nil |
| | | Sri Chiranjib Debnath, Conservation Breeding Centre, Sepahijala Zoo, funded by CZA |
| | Name of the Education Officer | Nil |
| | Name of the Compounder/ Lab Assistant | Nil |
| Owner / Operator of the Zoo | | |
| 16 | *Name of the Operator | Sri P. Agrawal , IFS, Chief Wildlife Warden, Forest Department, Govt. of Tripura |
| 17 | Address of the Operator | Chief Wildlife warden Aranya Bhawan, Pandit Nehru Complex, Gorkhabasti, P.O- |

| S.No. | Particulars | Information |
|-------|--|---|
| | | Kunjaban Agartala, Tripura - 799006 |
| 18 | Contact details/Phone number of Operator | 0381-2323779 |
| 20 | E-mail address of Operator | chiefwildlife@gmail.com |

7. Organizational Chart:



8. 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(DCF) | 0 | |
| 2 | Veterinary Surgeon | 1 | 1 | |
| 3 | Curator | 1 | 0 | |
| 4 | Forest Ranger | 1 | 0 | |
| 5 | Forester | 5 | 4 | |
| | Head Forest Guard | 0 | 4 | |
| 6 | Forest Guard | 5 | 1 | |
| 7 | Veterinary Asstt. Surgeon | 0 | 2 | |
| 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 | 1 | 1 | |
| 14 | Zoo head keeper | 0 | 1 | |
| 15 | Zoo Keeper/Forest FarmWorker | 57 | 39 | |
| 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 | 9 | 4 | |
| 26 | Head Clerk | 0 | 0 | |
| 27 | UDC | 1 | 0 | |
| 28 | LDC | 3 | 1 | |
| 29 | Driver | 2 | 2 | |
| 30 | Dakwala | 0 | 1 | |
| 31 | MCW | 0 | 2 | |
| 32 | CCACC | 0 | 0 | |
| Grand Total | | 86 | 127 | |

9. Capacity Building of zoo personnel

| Sl.No. | Name and designation of the zoo personnel | Subject matter of Training | Period of Training | Name of the Institution where the Training attended |
|--------|---|--|--------------------------|---|
| 1 | Dr. Keshab Debnath | Refresher's course on Elephant healthcare and managerial practices & practical demonstrations in the field | 22/11/2022 to 28/11/2022 | College of Veterinary Science, Khanapara, Guwahati, Assam |



10. Zoo Advisory Committee –

- a. Date of constitution- NA
- b. Members- NA
- c. Dates on which Meetings held during the year- NA

11. Health Advisory Committee–

- a. **Date of constitution-** 3rd May, 2018 (New Committee of HAC constituted after abolishing old Committee.
- b. **Members-**
 1. HOD, Teaching Veterinary Clinical Complex.
 2. HOD, Surgery.
 3. HOD, Medicine.
 4. HOD, Animal reproduction and Gynaecology.
 5. HOD, Animal Nutrition.
 6. HOD, Pathology.



HAC Meeting



Field visit of HAC members

12. Statement of income and expenditure of the Zoo:

| SL No. | Financial Year | Total Income(Rs. in Lakhs) | Remarks |
|--------|----------------|-----------------------------|-----------------------------|
| 1 | 2022-2023 | 3087670 | Deposited to state Treasury |

Total fund received and expenditure:

| Sl. No. | Scheme | Amount Received (Rs. in lakhs) | Expenditure (Rs. In lakhs) | Balance fund (Rs. In lakhs) | Remarks |
|---------|------------|--------------------------------|----------------------------|-----------------------------|---|
| 1 | 23-Ration | 246.21 | 189.5 | 56.71 | Animal Feed |
| 2 | 21 S & Mat | 0.50 | 0.50 | 0.00 | Store articles, etc. |
| 3 | 13 OE | 0.59 | 0.58 | 0.01 | Office contingency |
| 4 | 18-POL | 0.10 | 0.10 | 0.00 | P.Oil for vehicles |
| 5 | 27 -MW | 100 | 100 | 0.00 | Maintenance of enclosure |
| 6 | 29-OS | 4.32 | 4.32 | 0.00 | Outsourcing fees for Mahouts |
| 7 | 11-TE | 0.30 | 0.29 | 0.01 | Travelling Expenses |
| 8 | TBB | 1.55 | 1.55 | | Installation of CCTV Camera & Inverter, |

| | | | | | |
|--------------------|-------|---------------|---------------|---------------|--|
| | | | | 0.00 | Battery etc for Zoo Director office. |
| 9 | CAMPA | 58.84 | 20.44 | 38.40 | Maintenance of Zoo enclosure, entry gate, boundary wall etc. |
| 10 | NLC | 0.75 | 0.75 | 0.00 | Removing Chair, Computer Set for Zoo Director office. |
| 11 | CZA | 67.37 | 1.80 | 65.57 | Honorarium for Biologist. |
| Grand Total | | 480.53 | 319.83 | 160.70 | |

13. Daily feed Schedule of animals:

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

| Sl. No. | Ingredients | Quantity | |
|---------|---------------------------|------------|------|
| | | Percentage | |
| | 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% |



Ingredients of compound ration

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

| Sl. No. | Species | Feed Items with quantity/day/individual | Day of fasting |
|---------|---|---|----------------|
| 1 | Himalayan Black Bear (<i>Ursus thibetanus</i>) | Chapa Banana- 06 Nos. Apple- 250 gm Grapes- 100 gm Vegetable- 01 kg Gomati toned milk- 500 ml Wheat flour- 01 kg Boiled egg- 01 Nos. Fresh dead fish- 300 gm (Wednesday) Green leaves- 01 kg Local poultry fowl- 1.125 kg (Avg.) (on last Friday of each month) Sugarcane- 02 kg (Dec-Feb) Honey- 500 gm (January) Jackfruit- 02 kg (June-August) Black berry- 500 gm (June-July) Sweet potato- 300 gm (Feb-Mar) | Not applicable |
| 2 | 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 Local country fowl:- AVG. 850 GM (On last Friday of each month) | Not applicable |

| | | | |
|----|--|---|------------------------------------|
| 3 | Black Buck (Krishna Mriga) (<i>Antelope cervicapra</i>) | Deer Ration:- 500 Gm Soaked Gram:- 250 Gm Green Fodder:- 02 Kg | Not applicable |
| 4 | 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 Fodder & Leaves:-01 Kg | Not applicable |
| 5 | Clouded Leopard (<i>Neofelis nebulosa</i>) | Local country fowl:- Avg. 2 Kg (on every alternate day) | Every alternate day |
| 6 | Civet Himalayan Palm / Masked (<i>Paguma larvata</i>) | Local Poultry Bird:-Avg. 0.6 Kg (On last Friday of each month) Dressed Poultry Meat:- 300 Gm (Weekly once. | Not applicable |
| 7 | Civet Common Palm - Cat Toddy (<i>Paradoxurus hermaphroditus</i>) | (No egg on that day) Banana: - 05 Nos. (Weekly 06 days) Apple:- 50 Gm (Weekly 06days) Boiled egg:- 01 No.(Weekly 06 days) Grapes:-100 Gm (Weekly 06 days) | Not applicable |
| 8 | 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 | Not applicable |
| 9 | 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 | Not applicable |
| 10 | 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) | 1 day fasting after 2 days feeding |
| 11 | Vulture Himalayan Griffon (<i>Gyps himalayensis</i>) | Dress Poultry meat:- 0.5 Kg (Only Flesh) | Not applicable |

| | | | |
|----|---|--|------------------------------------|
| 12 | 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 Sugarcane:- 12 Kg (Seasonal) Brinjal/Mixed Vegetable:- 10 Kg Cucumber:- 2.5 Kg Green grass:- 175 Kg | Not applicable |
| 13 | Hog Deer (<i>Axisporcinus</i>) | Compound Ration:- 500 Gm Soaked Gram:- 250 Gm Green Fodder:- 02 Kg | Not applicable |
| 14 | 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 | Not applicable |
| 15 | Hornbill Indian Pied (<i>Anthracosceros malabaricus</i>) | Chapa Banana; - 03 Nos. Apple:- 50 Gm Grapes:- 50 Gm Boiled Rice:- 50 Gm Insect/ Earthworm/Small Prawn:- 50 Gm | Not applicable |
| 16 | Peafowl (<i>Pavo cristatus</i>) | Paddy:-50 Gm Wheat: - 50 Gm Chapa Banana: - 02 Nos. Apple:- 200Gm Bangle Gram:- 50 Gm Mustard Seed:- 20 Gm Dry Fish Meal:- 20 Gm Rice:- 50 Gm Grapes:- 100 Gm | Not applicable |
| 17 | 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 | 1 day fasting after 2 days feeding |
| 18 | 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) | 1 day fasting after 2 days feeding |
| 19 | 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) | 1 day fasting after 2 days feeding |
| 20 | 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) | Friday of week |

| | | | |
|----|--|---|----------------|
| 21 | Lion Indian (<i>Panthera leo persica</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) | Friday of week |
| 22 | 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 | Not Applicable |
| 23 | Monitor Water Lizard (<i>Varanus salvator</i>) | Poultry Meat 150 Gm | Not Applicable |
| 24 | Monitor Lizard / Common Indian (<i>Varanus bengalensis</i>) | | Not Applicable |
| 25 | Owl Brown Fish (<i>Ketupa zeylonensis eschena</i>) | Fish Medium Size:- 150 Gm Dressed Poultry Meat:- 150 Gm | Not Applicable |
| 26 | Rosy pelican (<i>Pelecanus onocrotalus</i>) | Big Fish (Size 200-500 gm of each) Preferably Mrigal and Raghu:- 01 Kg | Not Applicable |
| 27 | Macaque Pig Tailed (<i>Macaca leonina</i>) | Chapa Banana: - 7 Nos. Apple:- 100gm Grapes:- 50Gm Green Vegetable (Carat, Bean):-250 Gm Bangle Gram:- 100 Gm Bread:- 50 Gm Fodder & Leaves:- 01 Kg | Not Applicable |
| 28 | Heron Pond (<i>Ardeola grayii</i>) | Small Fish & Prawn @ 70% and Snail and Molasses @ 30%:- 200 Gm | Not Applicable |
| 29 | Porcupine Indian (<i>Hystrix indica</i>) | Chapa Banana:- 05 Nos. Apple:- 100 Gm Green Vegetable:- 150 Gm Bengal Gram:- 100 Gm Arum Root:-100 Gm (Seasonal) | Not Applicable |
| 30 | Burmese Python (<i>Python bivittatus</i>) | Live local Poultry bird:- 01 No. of 01 Kg | Not Applicable |
| 31 | 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 | Not Applicable |

| | | | |
|----|---|--|-------------------|
| 32 | 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 | Not Applicable |
| 33 | Loris Slow (<i>Nycticebus bengalensis</i>) | Chapa Banana: - 02 Nos. Apple: - 50 Gm Egg:- 02 Nos. Grapes:- 50 Gm | Not Applicable |
| 34 | 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 | Not Applicable |
| 35 | Spotted Deer (<i>Axis axis</i>) | Compound Ration:- 01 Kg Black Gram:- 200 Gm Green Grass:- 05 Kg | Not Applicable |
| 36 | Stork Adjutant (lesser) (<i>Leptoptilos javanicus</i>) | Medium size Fish @ 50-100 Gm each) 500 Gm | Not Applicable |
| 37 | Tortoise elongated (<i>Indotestuda elongata</i>) | Chapa Banana: - 01 No. Rice:- 25 Gm Chopped Vegetable:- 50 Gm Dressed poultry meat:- 500 gm | Not Applicable |
| 39 | Turtle Fresh Water/ Indian Soft-shelled/Indian Flap shell Turtle (<i>Lissemys punctata punctata</i>) | | Not Applicable |
| 40 | Turtle Peacock marked Soft-shelled (<i>Nilssonina hurum</i>) | | Not Applicable |
| 41 | Black Soft-shell Turtle (<i>Nilssonina nigricans</i>) | | Not Applicable |
| 42 | Turtle Indian Roofed (<i>Pangshura tecta</i>) | | Not Applicable |
| 43 | Vulture White Backed – Bengal (<i>Gyps bengalensis</i>) | Dressed poultry meat:- 500 gm | Not Applicable |

| | | | |
|----|--|--|----------------|
| 44 | Ibis White (<i>Threskiornis melanocephalus</i>) | Small fish & Prawn @ 70% and 30% & Snail and Molasses @ 70% & 30%:- 200 Gm | Not Applicable |
| 45 | Serow (<i>Capricornis sumatraensis</i>) | Compound Ration:- 01 Kg Black Gram:- 200 Gm Green Grass:- 05 Kg | Not Applicable |
| 46 | Eagle Crested Serpent (<i>Spilornis cheela</i>) | Dressed poultry meat:- 500 gm | Not Applicable |

c. Vaccination Schedule of animals

| Sl. No. | Species | Disease vaccinated for | Name of the Vaccine and dosage/ quantity used | Periodicity | Remarks |
|---------|-----------------|---|---|----------------|---------|
| 1 | All Lesser cats | Feline panleucopenia Feline rhinotracheitis Feline calcivirus | Feligen CRT, 1 dose/animal, SC/IM | Once in a year | |

d. De-worming Schedule of animals

| Sl. No. | Species | Drug used | Month |
|---------|-----------------|--|------------------------------------|
| 1 | All Zoo animals | Albendazole Fenbendazole Ivermectine Piperazine Praziquantel Pyrental pamoate | Once in 3 months (Feb-May-Aug-Nov) |



Vaccination of lesser cats

e. Disinfection Schedule

| Sl. No. | Species | Type of enclosure | Disinfectant used and method | Frequency of disinfection |
|---------|-----------------|-------------------|--|---------------------------|
| 1 | All Zoo animals | All enclosure | 1% potassium Permanganet solution as foot bath dip at Zoo entrance and at enclosure entrance to reduce entry of germs on daily basis is practiced. | Daily |
| | | | All the utensils, water pots etc are cleaned in a solution of 1% Khorsolin Th ® on weekly basis. | Weekly |
| | | | 0.5% Khorsolin Th solution (250ml Khorsolin in 50 liter water) used as a house spray once a month. | Monthly |
| | | | All the water storage are cleaned once in 15 days | Fortnightly |
| | | | Application of quicklime with Bleaching powder on pavements is carried out once in 3 months. | Once in 3 months |
| | | | Pits specially for depositing the waste material, fecal material, food etc are made at specific areas and are in use, | Frequently |



Routine cleaning of water tanks with disinfectant

f. Health Check-up of employees for zoonotic diseases:

Health check-up was done for all the zoo staffs at this zoo,

g. Development Works carried out in the zoo during the year:

| Sl No. | Work | Amount (in rupees In lakhs)) | Funding agency |
|--------|------------------------------|--------------------------------------|-----------------------------|
| 1 | Animal Feed | 152.51661 | 23-Ration-State Government |
| 2 | Store articles, etc. | 1.40 | 21 S & Mat-State Government |
| 3 | Office contingency | 1.00 | 13 OE-State Government |
| 4 | P. Oil for vehicles | 2.40 | 18-POL-State Government |
| 5 | Maintenance of enclosure | 150.16788 | 27 -MW-State Government |
| 6. | Outsourcing fees for Mahouts | 2.19990 | 20-OAE-State Government |
| 7 | Travelling Expenses | 0.34925 | 11-TE-State Government |
| 8 | Making of signboard | 3.75 | Zilla Parishad |

| | | | |
|----|--|---------------|-----------------------|
| 9 | Maintenance of Zoo enclosure, entry gate, boundary wall etc. | 229.83 | CAMPA |
| 10 | | 4.58 | NLC-Tripura Project |
| 11 | Animal feed & Personnel for CBC | 35.86 | Central Zoo Authority |
| | | 584.05364 | |

g.a Animal enclosure maintenance works:



h. Education and Awareness programmes during the year:

| Sl. No. | Date | Program | Number of participants |
|---------|------------|--|------------------------|
| 1 | 02/04/2022 | D.D.M.R H.S School Educational Tour | 80 Nos |
| 2 | 15/11/2022 | Officetilla H.S School, Bishalgarh Zoo Education | 35 Nos |
| 3 | 17/07/2022 | Blue Mount English Medium School, Educational Tour | 44 Nos |
| 4 | 26/11/2022 | Victory English Medium School Educational Tour | 111 Nos |
| 5 | 26/11/2022 | Laxman Para High School Zoo Education | 90 Nos |
| 6 | 26/11/2022 | Kamini Kumar Singha Memorial H.S School, Educational Tour | 138 Nos |
| 7 | 06/12/2022 | Chandranath C.P High School Zoo Education | 33 Nos |
| 8 | 06/12/2022 | Netaji Subhas Mahavidyalaya Zoo Education | 20 Nos |
| 9 | 07/12/2022 | Kukiachara J.B School Zoo Education | 26 Nos |
| 10 | 11/01/2023 | Ratanmani Para H.S School Zoo Education | 42 Nos |



i. Important Events and happenings:

Celebration of World Environment Day:

Cleaning and planting program was done as the part of WED 2022 on 3th June 2022 in presence of Director SZP, AWLW, all staffs of Sepahijala Zoological Park and Wildlife Sanctuary. Total number of participant for cleaning and hedge planting was about 100 nos including forest staff.



Cleaning & Planting Program by staffs of Sepahijala WLS & Zoo

Celebration of World Snake Day:

World Snake Day was celebrated at Aviary Section of Sepahijala Zoological Park on 16-07-2022 in presence of District Forest Officer Sepahijala, Director SZP, Veterinary Officer, Biologist CBC, all Section Incharge, Keepers and Visitors of Sepahijala Zoological Park.

On the occasion of World Snake Day an awareness session was held for all the Zoo staffs and Visitors to aware commonly found snake in Tripura and their role in having a balanced ecosystem. This day also discussed related to preventive measures on snake bites and its first aid management in rural areas.



Celebration of World Snake Day 2022

After the awareness session the following staffs has been facilitated on the occasion of world Snake Day for their knowledge and outstanding performance related to Snake under Sepahijala Zoological Park during the year 2022-23:

| SN | Name of Personnel of Sepahijala Zoological Park | Designation |
|----|---|---------------|
| 1. | Kajal Deb | FFW |
| 2. | Parimal Deb | FFW |
| 3. | Nishor Sinha | FFW |
| 4. | Bharat Chandra Shill | FFW |
| 5. | Chiranjib Debnath | Biologist CBC |



Facilitation of Zoo Staff on the eve of World Snake Day 2022

Celebration of International Clouded Leopard Day:

International Clouded Leopard Day was celebrated on 04-08-2022 at NLC conference room in presence of Zilla Sabhadipati, Chairman of Poverty alleviation standing committee, Addl. PCCF, CCF (T), ADM Sepahijala District, DFO Sepahijala, Director /WLW Sepahijala, SDFO Bishalgarh, Veterinary Officer, AWLW, Forest staffs, all local EDC members and villagers.

The following activities was taken up as part on International Clouded Leopard Day under Sepahijala Zoological Park during the Financial Year 2022 -23;

Welcoming the Guest: At 11.00 am the guest of International Clouded Leopard Day (ICLD) was welcomed with Risha, flower bouquet, badge of ICLD and with memento in NLC Conference Hall of Sepahijala Wildlife Sanctuary.



Figure1: Welcoming guest

Lighting of Lamp: International Clouded Leopard day program was initiated through lighting up the candle by Zilha Sabhadipati, Chairman of poverty alleviation standing committee, Sri R.K Shyamal, IFS, Addl PCCF, CCF(T), ADM Sepahijala District and DFO Sepahijala.



Welcome Speech: All dignitaries and participant were warmly welcomed by Director cum WLW of Sepahijala on the day of International Clouded leopard Day.

Presentation on Clouded Leopard: Thereafter a short presentation was covered by Biologist of CBC on clouded leopard and recently successful two numbers hand reared cubs which are first & sole case recorded in India.



Naming Ceremony of two newly born Clouded Leopard Cubs: Naming of two newly born clouded leopard cubs was done by Zilha Sabhadipati , Chairman of Poverty Alleviation , Addl PCCF & CCF(T). Antarip and Julekha name was chosen by the dignitaries for newly born hand rared cubs.



Speech by Dignitaries: Thereafter valuable speech given by Zilha Sabhadipati, Chairman of Poverty alleviation, Addl PCCF and DFO, Sepahijala.



Felicitation: Facilitation of staff on the occasion of International clouded Leopard Day 4th August 2022 for their devotion and constant hard work.

| SN | Name of Personnel | Designation |
|----|-------------------|-------------|
| 1. | Akbar Khan | FFW |
| 2. | Abdul Hakim | FFW |
| 3. | Jogesh Debbarma | FFW |
| 4. | Dijendra Marak | FFW |

| | | |
|-----|-------------------------------|-------------------|
| 5. | Shadan Deb | FFW |
| 6. | Abdul Hassem | FFW |
| 7. | Abul Hossen | FFW |
| 8. | Nurul Islam | FFW |
| 9. | Rajesh Deb | FFW |
| 10. | Bimal Patwary | Fr |
| 11. | Pintu Debbarma | Fr |
| 12. | Chiranjib Debnath | Biologist CBC |
| 13. | Dr Keshab Debnath | MVSc |
| 14. | Satyabra Mukherjee TFS (G-II) | The then curator |
| 15. | M Venketeswar, IFS | The then Director |



Arrival at CBC for release of newly born two Clouded Leopard Cubs: After the program move towards CBC for release of newly born two Clouded leopard cubs into the newly constructed segregation chamber.



Press Clipping: Few press clipping related to the celebration of International Clouded Leopard Day 2022.

Antarip, Julekha set to greet visitors at Sepahijala sanctuary

Times News
Charlton, Aug 04

Sepahijala Sanctuary celebrated the first instance of successful hand-rearing in India of Clouded Leopard cubs. On the Day of International World Clouded Leopard Day, a programme was organised in the sanctuary and the two hand-reared Leopard cubs were released in the Conservation Breeding Centre Sepahijala on Thursday. The staff of the Sepahijala Sanctuary named the



cubs Antarip and Julekha. In today's programme, staff of the Sepahijala were felicitated for discharging their responsibilities in the conservation of Clouded Leopard. Among others,

P-5

Antarip, Julekha set to greet

From Page 01

Sabhadhipati of Sepahijala Zila Parishad Supriya Das Datta, DFO Biswajit Das and other officials of the Sanctuary were present in today's programme. According to the Sanctuary staff, Antarip and Julekha will be added attractions for the tourists.

সিপাহীজলা অভয়ারণ্যে আন্তর্জাতিক ক্লাউডেড চিতাবাঘ দিবস উদযাপন

নিজস্ব প্রতিনিধি, চণ্ডিগ্রাম, ৪ আগস্ট।। সিপাহীজলা অভয়ারণ্যে সদ্যোজাত দুটি ক্লাউডেড চিতা বাঘের বাচ্চার নামকরণের মাধ্যমে সিপাহীজলা অভয়ারণ্যে উদযাপন করা হয় আন্তর্জাতিক ক্লাউডেড চিতাবাঘ দিবস। সিপাহীজলা অভয়ারণ্যের কর্মচারীরা এই সন্দোজাত চিতা শাবকের নামকরণ করেন। প্রদীপ প্রকল্পের মাধ্যমে উক্ত অনুষ্ঠানের শুভ সূচনা করেন সিপাহীজলা জেলার পরিষদের সভাপতি সুপ্রিয়া দাস দত্ত, ডিএফও বিশ্বজিত দাস সহ সিপাহীজলা অভয়ারণ্যের অন্যান্য আধিকারিকগণ। ক্লাউডেড চিতাবাঘ সংরক্ষণের বিষয়ে সচেতনতামূলক কর্মসূচি বাস্তবায়নে আলোচনা করা হয়। সদ্যোজাত দুটি ক্লাউডেড চিতাবাঘের জন্ম হয় সিপাহীজলা অভয়ারণ্যে সদ্যোজাত ক্লাউডেড সিউপার্ড শাবক দুটির নাম রাখা হয় এনটেলিগ ও জুলেখা। ক্লাউডেড চিতাবাঘ সংরক্ষণের জন্য নিজেদের দায়িত্ব পালন করার জন্য সিপাহীজলার অভয়ারণ্যের কর্মচারীদের উক্ত অনুষ্ঠানে সংবর্ধনা জ্ঞাপন করা হয়। পর্যটকদের আকর্ষণ করতে ও সিপাহীজলা অভয়ারণ্যের পরিমা বজায় রাখতে চিতা শাবক দুটির সুস্থতা সকলেরই কাম্য।

Celebration of World Lion Day:

World Lion Day was celebrated at Main Section of Sepahijala Zoological Park on 11-08-2022 in presence of Director SZP, Veterinary Officer, Biologist CBC, all Section Incharge and Zoo Keepers.



During the program general discussion was held about issues and its probable solution related to Lion and enclosures. After the session the following staffs has been facilitated on the occasion of world Lion Day for keeping enclosure clean & tidy and devotion towards Zoo under Sepahijala Zoological Park during the year 2022-23:

| SN | Name of Zoo Keepers | Designation |
|-----|-------------------------------|-------------|
| 1. | Chan Mia | FFW |
| 2. | Sishu Miah | FFW |
| 3. | Akkash Miah | FFW |
| 4. | Faruk Miah | FFW |
| 5. | Abu Taher S/O Lt Mohammad Ali | FFW |
| 6. | Ali Ashrab | FFW |
| 7. | Ayub Nabi | FFW |
| 8. | Abdul Hakim | FFW |
| 9. | Tajul Islam | FFW |
| 10. | Tajul Islam | FFW |



Celebration of 75th Independence Day:

On the eve of completion of 75th Independence Day the following staff has facilitated on the occasion of Independence Day for their outstanding performance towards keeping and maintaining the aesthetics of Sepahijala Zoological Park , the pride of Tripura during the financial year 2022-23.

| S N | Category | Section | | Name of Staffs | |
|-----|-------------|-------------------|--------------|------------------------|---|
| 1 | Best Keeper | Main section | 1 | Abdul Rashid, FFW | Bear Enclosure |
| | | | 2 | Akkash Mia, FFW | Lion Enclosure |
| | | | 3 | Abdul Hakim, FFW | Clouded Leopard enclosure |
| | | Aviary Section | 1 | Nipendra Bhowmik , FFW | Aviary |
| | | Primate Section | 1 | Dijendra Marak, FFW | Primate |
| | | Cleaning/Sweeping | 1 | Hajera Begam FFW | Main Section |
| | | | 2 | Gita Sukla Das , FFW | Aviary Section |
| | | | 3 | Mina Deb FFW | Aviary Section |
| | | Enrichment | 1 | Manuranjan Mallik, FFW | All section |
| | | | 2 | Kishan Debbarma PL | All section |
| | | | 3 | Raju Das PL | All section |
| | | 2 | Best Section | | 1 |
| | 2 | | | Aviary Section | Sri Chinmoy Malakar , Fr Section Incharge |
| | 3 | | | Primate Section | Sri Bishunupada Acharjee, Fr , Section Incharge |



Celebration of Wildlife week:

The following activities was taken up as part of Celebration of Wildlife week 2022 under Sepahijala Zoological Park during the Financial Year 2022 -23;

Prabhat Feri: On 18-10-2022 at about 6.00 am Prabhat Feri organized with School Childrens of Banapalli Junior Basis School , MarakBasti , Sepahijala as a part of celebration of Wildlife Week.



Wildlife Talk: After that wildlife talk show was taken by Sri Chiranjib Debnath, Biologist Of CBC, Sepahijala Zoological Park in the school of Banapalli Junior Basis School, Sepahijala.



Tug of war: Tug of war competition among EDC villages and all the forest staff of Sepahijala WLS & Zoo organized in presence of Director, AWLW and PI of Bishalgarh in the picnic ground of Sepahijala Zoological Park.



Musical Chair Competition and Prize Distribution: As a part of Wild life week a musical Chair competition was organized among Women of EDC Villages and Sepahijala District to aware villagers related to wildlife through misc activities. Accordingly prize distributed to the entire participant in presence of Director, VO's and President of EDC villages.



j. Seasonal special arrangements for upkeep of animals:

The following winter and summer arrangements are made in Sepahijala Zoological Park during this year.

Winter Arrangements

Birds Enclosure:

Agro net and clean gunny bag are hanged around the wire mesh from outside especially during the month of November to February First Week during night time.

Bamboo pole in horizontal placing are also provided for the bird enclosure.

Bear Enclosures:

Paddy Straw are provided inside the enclosure and night shelter areas to keep them warm Supplementary diet like natural honey are provided during the winter season.

Crocodile enclosure:-

In order to ensure proper sunlight to the animals and provide ideal day time basking shady tree branches are pruned and fresh sand bed is prepared within the enclosure.

All the moated enclosures are cleaned and any stagnant water, silt accumulated are removed to keep the area dry and clean. The moat is also treated with lime.

Summer Arrangements

All carnivores' enclosures are provided with running water round the clock.

All the mammals' enclosures are provided with ice cubes during the extreme heat time (12.00 PM to 02.00 PM) of a day.

Shed are provided above the water tank to keep the water cool and clean specially in crocodile and monitor lizard enclosure.

Temporary shed are provided in primates and herbivore enclosures to protect from intense heat and rainfall during summer season.

Herbivore Enclosure:

Water tank are provided with running water facilities and temporary shed are made in all the enclosure housing herbivore animals.

Seasonal local fruits rich in mineral and vitamin & water rich fruit like watermelon are supplied to the animals especially during summer season.



Providing ice blocks to all the animals inside night shelters during summer



Water spraying on bears in extreme hot days



Increase of watery fruits during summer

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-

Spectacle Langur (*Trachypithecus phayrei*)

Clouded Leopard (*Neofelis nebulosa*)

Binturong (*Arctictis binturong*)

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 30th 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 10th & 11th June,2014.The second visit from the representative of CZA to the CBC enclosures was by Dr. D.N. Singh, Member Secretary, CZA on 15th,March,2018.

Status of Animals at Conservation Breeding Centre during the year 2021-22

| SL No. | Category | Male | Femal e | Un sex | Tota l |
|--------|--------------------|------|---------|--------|--------|
| 1 | Clouded Leopard | 5 | 3 | 0 | 8 |
| 2 | Spectacled Langur | 1 | 1 | 5 | 7 |
| 3 | Pig tailed Macaque | 5 | 6 | 12 | 23 |
| 4 | Binturong | 1 | 0 | 0 | 1 |



k. Animal acquisition / transfer / exchange during the year

| | | | | | |
|----|-----------------------------|---------|--------------|--------------------|---------------------------------|
| 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 |

I. Rescue and Rehabilitation of wild animals carried out by the Zoo

| Sl. No | Date of Rescue | Species with number of animals rescued with their sex (M: F:U:T) | Received from | Date of Submission of Report to the CWLW / CZA | Action taken | |
|--------|----------------|--|----------------------------|--|---|--|
| | | | | | Date and Place of rehabilitation in their habitat | Reasons for housing in the zoo, if not released in their habitat |
| 1 | 18/04/2022 | Slow Loris (<i>Nycticebus coucang</i>) (1:0:0) | Charilam FPU | | Released in wild on 15/05/2022. Release site: Latitude - 23.6716614 Longitude - 91.3121321 | |
| 2 | 21/04/2022 | Golden Jackal (<i>Canis aureus</i>) (1:0:0) | Sadar Forest Division | | Released in wild on 19/05/2022. Release site: Latitude - 23.6764473 Longitude - 91.3178536 | |
| 3 | 21/04/2022 | Jungle Cat (<i>Felis chaus</i>) (1:0:0) | Sadar Forest Division | | Released in wild on 19/05/2022. Release site: Latitude - 23.6839308 Longitude - 91.3274915. | |
| 4 | 26/04/2022 | Small Indian Civet (<i>Viverricula indica</i>) (0:1:0) | Bishalgarh Forest Division | | Released in wild on 22/05/2022. Release site: Latitude - 23.6716614 Longitude - 91.3121321 | |
| 5 | 28/04/2022 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Charilam FPU | | Released in wild on 28/05/2022. Release site: Latitude - 23.6864467 Longitude - 91.3226723 | |

| | | | | | | |
|---|-----------------|--|-----------------------|--|--|---|
| 6 | 03/05/2022 2 | Great egret (<i>Ardea alba</i>) (0:0:1) | Charilam FPU | | Released in wild on 28/05/2022. Release site: Latitude - 23.683567 Longitude - 91.302645 | |
| 7 | 07/05/2022 2 | Cockatiel (<i>Nymphicus hollandicus</i>) (0:0:26) | Sadar Forest Division | | | The 06 no. birds died out of 26 nos. As this is an Exotic species, they can't be release in wild in this region. Therefore these 20 nos. birds may be kept in the Zoo enclosure due to shortage of long term housing facility in quarantine . |
| 8 | 07/05/2022 2 | Lutino rosy-face love birds (<i>Agapornis roseicollis</i>) (0:0:16) | Sadar Forest Division | | | The 05 no. birds died out of 16 nos. As this is an Exotic species, they can't be release in wild in this region. Therefore these 11 nos. birds may be kept in the Zoo enclosure due to shortage of |

| | | | | | | |
|---|------------|--|-----------------------|--|--|--|
| | | | | | | long term housing facility in quarantine . |
| 9 | 07/05/2022 | Lutino rose ringed parakeet (<i>Alexandrinus krameri</i>) (0:0:22) | Sadar Forest Division | | | The 05 no. birds died out of 22 nos. As this is an Exotic species, they can't be release in wild in this region. Therefore these 17 nos. birds may be kept in the Zoo enclosure due to shortage of long term housing facility in quarantine . The 05 no. birds died out of 22 nos. As this is an Exotic species, they can't be release in wild in this region. Therefore these 17 nos. birds may be kept in the Zoo enclosure due to shortage of long term housing facility in |

| | | | | | | |
|----|------------|--|-----------------------|--|---|--|
| | | | | | | quarantine |
| 10 | 19/05/2022 | Hill Myna (<i>Gracula religiosa</i>) (0:0:2) | Sadar Forest Division | | | Released in wild on 16/06/2022. Release site: Latitude - 23.686806 Longitude - 91.279625 |
| 11 | 19/05/2022 | Rose ringed parakeet (<i>Psittacula krameri</i>) (0:0:6) | Sadar Forest Division | | 03 no. died out of 06 nos., others are release in wild on 18/06/2022 Release site: Latitude - 23.686806 Longitude - 91.279625 | |
| 12 | 30/05/2022 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Charilam FPU | | Release in Sepahijala Wildlife Sanctuary on 28/05/2022. Release site: Latitude - 23.6756551 Longitude - 91.3235758 | |
| 13 | 31/05/2022 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Charilam FPU | | Release in Sepahijala Wildlife Sanctuary on 30/06/2022. Release site: Latitude - 23.6789736 Longitude - 91.3268891 | |
| 14 | 07/06/2022 | Monitor Lizard (<i>Varanus bengalensis</i>) (0:0:1) | Charilam FPU | | Release in Sepahijala Wildlife Sanctuary on 05/07/2022. Release site: | |

| | | | | | | |
|----|------------|--|----------------------------|------------------|---|--|
| | | | | | Latitude - 23.657676 Longitude - 91.294671 | |
| 15 | 14/06/2022 | Leopard Cat (<i>Prionailurus bengalensis</i>) (0:1:0) | Bishalgarh Forest Division | Good | Release in Sepahijala Wildlife Sanctuary on 16/06/2022. Release site: Latitude - 23.6864467 Longitude - 91.3226723 | |
| 16 | 12/06/2022 | Indian Pied Hornbill (<i>Anthracoseros Malabaricus</i>) (1:0:) | Bishalgarh Forest Division | Good | Release in Sepahijala Wildlife Sanctuary on 21/06/2022. Release site: Latitude - 23.6864467 Longitude - 91.3226723 | |
| 17 | 22/06/2022 | Ornate flying snake (<i>Chrysopelea ornate</i>) (0:0:3) | Jirania Forest Division | Injured and weak | Ornate flying snake 01 nos. died out of 3 nos; other snake release in the wild on 07/07/2022 Release site: Latitude - 23.6789736 Longitude - 91.3268891 | |
| 18 | 22/06/2022 | Sand Boa (<i>Eryx johnii</i>) (0:0:7) | Jirania Forest Division | Injured and weak | 07 nos. snake release in the wild on 07/07/2022 Release site: Latitude - 23.6789736 Longitude - 91.3268891 | |
| 19 | 22/06/2022 | Asian Vine Snake (<i>Ahaetulla prasina</i>) (0:0:4) | Jirania Forest Division | Injured and weak | 04 nos. snake release in the wild on 07/07/2022 Release site: | |

| | | | | | | |
|----|------------|---|--------------------------------------|---------------------|--|--|
| | | | | | Latitude - 23.6789736 Longitude - 91.3268891 | |
| 20 | 22/06/2022 | Spectacled cobra (<i>Naja naja</i>) (0:0:3) | Jirania Forest Division | Injured and weak | Spectacled cobra 02 nos. died out of 03 nos., 01 nos. snake release in the wild on 07/07/2022 Release site: Latitude - 23.6789736 Longitude - 91.3268891 | |
| 21 | 27/06/2022 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Bishalgar h Forest Division | Good | Release in Sepahijala Wildlife Sanctuary on 30/06/2022. Release site: Latitude - 23.6789736 Longitude - 91.3268891 | |
| 22 | 28/06/2022 | Eagle (<i>Spilornis cheela</i>) (0:0:2) | Sadar Forest Division | Good | Release in Sepahijala Wildlife Sanctuary on 27/07/2022 Release site: Latitude - 23.67236009 Longitude - 91.31903871 | |
| 23 | 02/07/2022 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Charilam FPU | Good | Release in Sepahijala Wildlife Sanctuary on 07/07/2022 Release site: Latitude - 23.6701637 Longitude - 91.3133366 | |
| 24 | 11/07/2022 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Sepahijal a Zoo Rescue Team | Good | Release in Sepahijala Wildlife Sanctuary on 08/08/2022. | |

| | | | | | | |
|----|-----------------|--|-----------------------------|------|---|--|
| | | | | | Release site: Latitude - 23.682815 Longitude - 91.312433 | |
| 25 | 18/07/2022 2 | Elongated Tortoise (<i>Indotestuda elongata</i>) (0:0:1) | Manu Forest Division | Good | Release in Wild on 22/07/2022 Release site: Latitude - 23.6734448 Longitude - 91.31950333 | |
| 26 | 21/07/2022 2 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Charilam FPU | Good | Release in Sepahijala Wildlife Sanctuary on 25/07/2022 Release site: Latitude - 23.6701637 Longitude - 91.3133366 | |
| 27 | 23/07/2022 2 | Oriental Rat Snake (<i>Ptyas mucosa</i>) (0:0:1) | Charilam FPU | Good | Release in Sepahijala Wildlife Sanctuary on 13/08/2022 Release site: Latitude - 23.6864467 Longitude - 91.3226723 | |
| 28 | 28/07/2022 2 | Indian Flap shell Turtle (<i>Lissemys punctata</i>) (0:0:1) | Sadar Forest Division | Good | Release in Sepahijala Wildlife Sanctuary on 15/08/2022 Release site: Latitude - 23.687486 Longitude - 91.310083 | |
| 29 | 08/08/2022 2 | Jungle Cat (<i>Felis chaus</i>) (1:0:0) | Sadar Forest Division | Good | Release in the Sepahijala Wildlife Sanctuary on 08/09/2022. Release site: Latitude - 23.6760805 | |

| | | | | | | |
|----|------------|--|------------------------------|-------------------|---|--|
| | | | | | Longitude - 91.3172513 | |
| 30 | 10/08/2022 | Jungle Cat (<i>Felis chaus</i>) (0:1:0) | Sadar Forest Division | Good | Released in wild on 15/09/2022. Release site: Latitude - 23.6753419 Longitude - 91.316649 | |
| 31 | 13/08/2022 | Iguana (<i>Iguana iguana</i>) (0:0:311) | Dharmanagar, Forest Division | Weak and debility | 157 nos. died out of 311, 154 nos. are quarantine at Zoo Hospital. | |
| 32 | 13/08/2022 | Bearded Dragon (<i>Pogona sp.</i>) (0:0:1) | Dharmanagar, Forest Division | Weak and debility | Died on 15/08/2022 at Zoo Hospital. | |
| 33 | 13/08/2022 | Rhinoceros Hornbill (<i>Buceros rhinoceros</i>) (1:1:) | Dharmanagar, Forest Division | Weak and debility | Quarantine at Zoo Hospital | Housed at quarantine at Zoo Hospital as the species is exotic and not possible to release in wild. |
| 34 | 13/08/2022 | Meerkat (<i>Suricata suricatta</i>) (3:3:0) | Dharmanagar, Forest Division | Weak and debility | | 03 nos. died out of 06 nos. Currently 03 nos. are housed at quarantine at Zoo Hospital as the species is exotic & not possible to release in the wild. |
| 35 | 16/08/2022 | Jungle Cat (<i>Felis chaus</i>) (1:0:0) | Sadar Forest Division | Good | Release in the Sepahijala Wildlife | |

| | | | | | | |
|----|-----------------|---|-----------------------|-------------------|--|--|
| | | | | | Sanctuary on 08/09/2022. Release site: Latitude - 23.6760805 Longitude - 91.3172513 | |
| 36 | 26/08/2022 2 | Indian flap shell turtle (<i>Lissemys punctata Punctata</i>) (0:0:4) | Sadar Forest Division | Good | 03 no. died out of 04 nos., Others are release in Sepahijala Wildlife Sanctuary on 15/09/2022 Release site: Latitude - 23.687486 Longitude - 91.310083 | |
| 37 | 13/10/2022 2 | Grey Heron (<i>Ardea cinerea</i>) (0:0:1) | Ambassa Range | Good | Released in wild on 01/11/2022. Release site: Latitude - 23.6764473 Longitude - 91.3178536 | |
| 38 | 29/10/2022 2 | Elongated Tortoise (<i>Indotestudo elongata</i>) (0:0:1) | Champak Nagar Range | Good | Released in wild on 15/11/2022. Release site: Latitude - 23.6734448 Longitude - 91.31950333 | |
| 39 | 31/10/2022 2 | Leopard Cat (<i>Felis bengalensis</i>) (0:0:1) | Boxanagar Range | Good | Released in wild on 22/11/2022. Release site: Latitude - 23.67236009 Longitude - 91.31903871 | |
| 40 | 04/11/2022 2 | Jackal (<i>Canis aureus</i>) (0:1:0) | Sadar Division. | Injury condition. | Died on 17/11/2022 in patient ward of Vety. Hospital. | |


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|----|-----------------|--|-----------------------|-----------------------------|--|--|
| 41 | 18/11/2022 2 | Indian flap shell turtle (<i>Lissemys punctata Punctata</i>) (0:0:1) | Udaipur, Gomati Dist. | Good | Release in wild on 22/11/2022 Release site: Latitude - 23.687486 Longitude - 91.310083 | |
| 42 | 04/12/2022 2 | Indian Pied Hornbill (<i>Anthracoceros Malabaricus</i>)(1:0:0) | Charilam | Injury condition | Release in Sepahijala Wildlife Sanctuary on 01/01/2023. Release site: Latitude - 23.6864467 Longitude - 91.3226723 | |
| 43 | 10/12/2022 2 | Leopard Cat (<i>Prionailurus bengalensis</i>) (0:0:1) | Bishalgarh | Good | Released in wild on 08/01/2023. Release site: Latitude - 23.6764973 Longitude - 91.3178536 | |
| 44 | 14/12/2022 2 | Peacock marked Soft shelled Turtle (<i>Nilssonina hurum</i>) (0:0:1) | Amarapur | Good | Release in wild on 02/01/2023 Release site: Latitude - 23.687486 Longitude - 91.310083 | |
| 45 | 19/12/2022 2 | Western Swamphen (<i>Porphyrio porphyrio</i>) (0:0:1) | Sadar | Weak and debility condition | Died on 02/01/2023 in patient ward during treatment at Vety. Hospital | |
| 46 | 22/12/2022 2 | Barn Owl (<i>Tyto alba</i>) (0:0:1) | Charilam | Good | Release in wild on 03/01/2023 Release site: Latitude - 23.6760805 Longitude - 91.3172513 | |
| 47 | 05/01/2023 3 | Barn Owl (<i>Tyto alba</i>) (0:0:1) | Sadar | Weak and debility | Died on 08/01/2023 | |


| | | | | | | |
|----|------------|--|----------------------------|-------------------|--|--|
| 48 | 08/01/2023 | Barn Owl (<i>Tyto alba</i>) (0:0:5) | Sadar | Weak and debility | Died on 13/01/2023, 14/01/2023, 17/01/2023, 17/01/2023, and 18/01/2023. | |
| 49 | 15/01/2023 | Rhesus Macaque (<i>Macaca muluta</i>) (1:0:0) | Charilam | Injured | Died on 16/01/2023 | |
| 50 | 17/01/2023 | Golden Jackal (<i>Canis aureus</i>) (0:1:0) | Sadar Forest Division | Weak | Released in wild on 15/02/2023. Release site: Latitude - 23.6764473 Longitude - 91.3178536 | |
| 51 | 28/01/2023 | Jungle Cat (<i>Felis chaus</i>) (0:1:0) | Sadar Forest Division | Good | Released in wild on 15/02/2023. Release site: Latitude - 23.6764473 Longitude - 91.31788536 | |
| 52 | 05/02/2023 | Leopard Cat (<i>Felis bengalensis</i>) (1:0:0) | Bishalgarh Forest Division | Injured | Died on 12/02/2023 | |
| 53 | 11/02/2023 | Small Indian Civet (<i>Viverricula indica</i>) (1:0:0) | Charilam | Good | Release in wild on 10/03/2023 Release site: Latitude - 23.6753419 Longitude - 91.318849 | |
| 54 | 25/02/2023 | Rhesus Macaque (<i>Macaca muluta</i>) (0:1:0) | Charilam | Injured | Died on 03/03/2023 | |
| 55 | 28/02/2023 | Leopard Cat (<i>Felis bengalensis</i>) (1:1:0) | Charilam | Weak and debility | Died on 02/04/2023 and 10/04/2023 | |
| 56 | 28/02/2023 | Burmese Python (<i>Python bivittatus</i>) (0:0:1) | Charilam | Good | Release in Wild on 20/03/2023 Release site: Latitude - 23.6701637 | |

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| | | | | | Longitude - 91.3133366 | |
| 57 | 09/03/2023 | Leopard Cat (<i>Felis bengalensis</i>) (0:0:1) | Teliamura Forest Division | Good | Release in wild on 31/03/2023 Release site: Latitude - 23.6760805 Longitude - 91.3172513 | |
| 58 | 13/03/2023 | Jungle Cat (<i>Felis chaus</i>) (1:0:0) | Sadar Forest Division | Good | Release in wild on 10/04/2023 Release site: Latitude - 23.6804188 Longitude - 91.3112051 | |
| 59 | 19/03/2023 | Jungle Cat (<i>Felis chaus</i>) (1:0:0) | Sadar Forest Division | Good | Release in wild on 12/04/2023 Release site: Latitude - 23.6804188 Longitude - 91.3112051 | |

Annual Inventory report of Schedule III & IV animals of Sepahijala Zoological Park for the F.Y 2022-23

| SN | Animal's Name | Scientific Name | Opening Stock as on 01/04/2022 | | | | | | Birth | | | | | | Acquisition | | | | | | Disposal | | | | | | Death | | | | | | Closing Stock as on 31/03/2023 | | | | | |
|----|----------------|-----------------------|--------------------------------|---|---|----|---|---|-------|---|---|---|---|---|-------------|---|---|---|---|---|----------|---|---|---|---|---|-------|---|---|---|---|---|--------------------------------|---|---|----|---|---|
| | | | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | M | F | U | T | | | | |
| 1 | | BIRDS | Total Birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Rhesus Macaque | <i>Macaca mulatta</i> | Total Mammals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 | 3 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 10 | 0 | 0 |
| | | | 3 | 3 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 10 | 0 | 0 |
| 3 | | REPTILES | Total of Reptiles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | Total of Animals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 | 3 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 10 | 0 | 0 |


Curator
Sepahijala Zoological Park
Sepahijala Tripura


Asistant Director, ARDD
Sepahijala Zoological Park
Sepahijala Tripura

Director
Sepahijala Zoological Park
Sepahijala Tripura

Zoo Residents:



n. Mortality of animals

Annual Death Summery report of Schedule I & II animals of Sepahijala Zoological Park for the F.Y of 2022-23:

| Sl. No. | Name of Species | Age | Sex | Date of Death | Date of P.M | Cause of Death |
|---------|---|--------------------|--------|---------------|-------------|--|
| 1 | Peacock marked Soft shelled Turtle (<i>Nilssoniahurum</i>) | 36 Years (Approx.) | Female | 01/04/2022 | 3/4/2022 | Died due to liver cirrhosis |
| 2 | Leopard Cat Kitten (<i>Prionailurus bengalensis</i>) | 45 Days | Male | 04/04/2022 | 4/4/2022 | Died due to intestinal obstruction leads to dehydration. |
| 3 | Lesser Stork Adjutant (<i>Leptoptilos javanicus</i>) | 15 Years (Approx.) | Male | 16/04/2022 | 16/04/2022 | Died may be due to gastrointestinal blockage leads to dehydration at senile age. |
| 4 | Leopard Cat (<i>Prionailurus bengalensis</i>) | 06 years (Approx.) | Male | 24/04/2021 | 25/04/2021 | Died due to acute pulmonary congestion and dehydration |
| 5 | Leopard Cat (<i>Prionailurus bengalensis</i>), House Name-Mamata, Local I.D: LC28 | 10 Years (Approx.) | Female | 02/05/2022 | 4/5/2022 | Died due to metrorrhagia and rupture of uterine. |
| 6 | Leopard Cat Kitten (<i>Prionailurus bengalensis</i>) | 1.5 Months | Female | 29/06/2022 | 29/06/2022 | Died due to mechanical injury leads to internal bleeding. |
| 7 | Crab Eating Mongoose (<i>Urva urva</i>) | 15 Years (Approx.) | Female | 04/07/2022 | 04/07/2022 | Died may be due to Hydrothorax and ascites. |
| 8 | Red Jungle Fowl (<i>Gallus gallus</i>) | 16 Years (Approx.) | Female | 05/07/2022 | 05/07/2022 | Died may be due to multi organ failure at senile age. |
| 9 | Indian flap shell turtle (<i>Lissemys punctata punctata</i>) | 25 Years (Approx.) | Female | 21/07/2022 | 21/07/2022 | Died may be due to fighting injury leads to Septicemia |
| 10 | Leopard Cat (<i>Prionailurus bengalensis</i>) | 12 Years | Male | 28/07/2022 | 28/07/2022 | Died may be due to fighting injury leads to septicemia |
| 11 | Indian Lion (<i>Panthera leo persica</i>) Transponder No. : | 18 Years (Approx.) | Female | 03/08/2022 | 4/8/2022 | Died may be due to multiple organ failure at senile. |

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| | FDXB90018800 0005449 | | | | | |
| 12 | Jackal (<i>Canis aureus</i>) | 02 Years | Female | 31/08/20 22 | 1/9/2022 | Died may be due to pneumonia. |
| 13 | Black Buck (Krishna Mriga) (<i>Antilope cervicapra</i>) | 14 Years | Female | 06/09/20 22 | 6/9/2022 | Died may be due to hemorrhagic enteritis. |
| 14 | Black Buck (Krishna Mriga) (<i>Antilope cervicapra</i>) | 05 Years | Male | 16/09/20 22 | 16/09/20 22 | Died may be due to fighting injury leads to septicemia. |
| 15 | Golden Jackal (<i>Canis aureus</i>) | 05 months | Male | 25/09/20 22 | 25/09/20 22 | Died may be due to pneumonia. |
| 16 | Black Buck (<i>Antilope cervicapra</i>) | 07 Years | Male | 05/10/20 22 | 5/10/202 2 | Died may be due to paralysis leads to cardiac arrest. |
| 17 | Golden Jackal (<i>Canis aureus</i>) | 06 months | Female | 06/10/20 22 | 6/10/202 2 | Died may be due to pneumonia. |
| 18 | Golden Jackal (<i>Canis aureus</i>) | 08 months | Female | 25/10/20 22 | 25/10/20 22 | Died may be due to paralysis leads to hypoglycemia. |
| 19 | Red jungle fowl (<i>Gallus gallus</i>) | 08 Years (Approx.) | Female | 03/11/20 22 | 03/11/20 22 | Died may be due to egg bound condition. |
| 20 | Spectacled Langur (<i>Trachypithecus phayrei phayrei</i>). | 06 years | Male. | 07/11/20 22 | 07/11/20 22 | Died may be due to aspiration pneumonia with Septicemia. |
| 21 | Indian peafowl. (<i>Pavo cristatus</i>) | 12 years. | Male | 24/11/20 22 | 24/11/20 22 | Died may be due to Trauma in brain and haemorrhagic shock may be due to infighting. |
| 22 | Leopard Cat (<i>Prionailurus bengalensis</i>) | 45 days. | Female | 16/12/20 22 | 16/12/20 22 | Died may be due to acute gastritis and shock. |
| 23 | Fishing Cat (<i>Prionailurus viverrinus</i>) | 14 Yr. (Approx.) | Male | 20/12/20 22 | 20/12/20 22 | Died may be due to fighting injury leads to septicemia at senile age. |
| 24 | Leopard Cat (<i>Prionailurus bengalensis</i>) | 05 Years | Female | 8/01/202 3 | 9/1/2023 | Died to cardiac failure. |
| 25 | Spectacled Langur (<i>Trachypithecus obscurus phayrei</i>) | 10 Years | Female | 8/01/202 3 | 9/1/2023 | Died due to haemorrhagic enteritis, hepatitis and pneumonia. |

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|----|--|--------------------|--------|------------|------------|--|
| 26 | <i>Leopard Cat (Prionailurus bengalensis)</i> | 07 Years | Female | 13/01/2023 | 14/1/2023 | Died due to posterior paralysis and shock. |
| 27 | <i>Fishing Cat (Prionailurus viverrinus)</i> | 08 Years. | Male | 15/01/2023 | 15/1/2023 | Died due to fighting injury leads to septicemia. |
| 28 | <i>Slow Loris (Nycticebus coucang)</i> | 25 Years | Male | 22/01/2023 | 23/1/2023 | Died due to respiratory infection at senile age. |
| 29 | <i>Crested Serpent Eagle (Spilornis cheela)</i> | 02 Yr. (Approx.) | Female | 13/02/2023 | 14/02/2023 | Died due to septicaemia. |
| 30 | <i>Crested Serpent Eagle (Spilornis cheela)</i> | 03 Yr. (Approx.) | Male | 21/02/2023 | 21/02/2023 | Died due to mechanical injury leads to septicaemia. |
| 31 | <i>Crested Serpent Eagle (Spilornis cheela)</i> | 10 Yr. (Approx.) | Female | 04/03/2023 | 04/03/2023 | Died due to bumble foot at both the foot at senile age. |
| 32 | <i>Peacock marked Soft shelled Turtle (Nilssoniahurum)</i> | 38 Years (Approx.) | Female | 04/03/2023 | 4/3/2023 | Died due to liver cirrhosis at senile age. |
| 33 | <i>Clouded Leopard (Neofelis nebulosa)</i> | 11 Days | Female | 27/03/2023 | 27/3/2023 | Died due to dehydration, anaemia and acute nephritis. Tissue sample already send to IVRI, UP for confirmation. |
| 34 | <i>Fishing Cat (Prionailurus viverrinus)</i> | 08 Yr. | Male | 31/03/2023 | 31/3/2023 | Died due to fighting injury leads to septicemia. |

GOVERNMENT OF TRIPURA
 ZOO VETERINARY HOSPITAL
 SEPAHIJALA ZOOLOGICAL PARK
SEPAHIJALA TRIPURA

Annual Death Summery report of Exotic animals of Sepahijala Zoological Park for the F.Y of 2022 -23

| Sl. No. | Name of Species | Age | Sex | Date of Death | Date of P.M | Cause of Death | Remarks |
|---------|-----------------|-----|-----|---------------|-------------|----------------|---------|
| Nil | | | | | | | |

[Dr. Keshab Debnath, MVSc.]
 Assistant Director
 Sepahijala Zoological Park
Sepahijala, Tripura

o. Status of the Compliance with conditions stipulated by the Central Zoo Authority:

| Sl . | Norm No. under RZR, 2009 | Condition Stipulated | Time Period to Comply | Since when pending | Remarks | |
|------|--------------------------|---|---|--------------------|---|---|
| | | | | | Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo | Status with regard to compliance as noted physically by the evaluator or during the visit |
| 1 | 10.1 (3) | There are moated islands for housing primates in the zoo. It was advised to take steps for re-modelling of these primate islands by dressing the inner side of the moats to make more area available to the animals along with providing required enrichment in the Island. Only one side of the Island should be opened to the visitors. The three sides can be camouflaged by high hedges or creating barriers so that visitors are not on all the sides cornering the animal housed in the island. | Six months | 24.09.2019 | Action Taken for re-modelling of primate islands. High hedges have been planted during June/July 2020 but damaged by free ranging barking deer. High hedges have been planted during May - June 2021 with proper protection. Furthermore during the current year higher hedge plantation has been taken up. | |
| 2 | 10.1 (7) | A waste disposal plan for the zoo should be prepared, which should include the solid waste disposal and liquid waste disposal and drainage. The disposal of the waste should be environment friendly with minimum stress on the environment. | Immediately with the submission of the plan | 24.09.2019 | A Plan in consultation with Bishalgarh Municipal council as well as other consultants is in process. In addition, Pits have been dug up behind enclosures of all the sections of zoo. More numbers waste pit for waste disposal is under construction. | |

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| 3 | 1 0.1 (8) | The lions housed in front of the Leaf monkeys should be relocated. | Immediately | 24.09.2019 | Already relocation of leaf monkey has been done in Primate Section. | |
| 4 | 10.1 (9) | The fence along the boundary of the zoo should be repaired and maintained regularly. | Immediately and regularly | 24.09.2019 | Maintained. During current year also 100 mtr fencing maintenance is under progress. | |
| 5 | 10.2(2) | The zoo should have adequate scientific and technical staff to support the officer-in-charge of the zoo in carrying out the responsibilities of housing, upkeep and healthcare of zoo animals, research, and visitor education by posting Curator, Education Officer and Biologist. | As reported the process should be completed at the earliest. | 24.09.2019 | Presently Curator is posted, and 1(one) Project Biologist for CBC has been engaged for educating purpose. Furthermore engagement of Zoo Biologist and education Officer is under active consideration of the authority. | |
| 6 | 10.3(1) | The zoo should get the Master Plan approved by the CZA | Immediately | 24.09.2019 | Approved. For preparation of the revised master plan and master layout and for modernization of Zoo Govt has finalised the agencies and it will be done within this financial year. | |
| 7 | 10.3(3) | All 'pucca' buildings including the visitor facilities should be planned and located in such a manner that the natural landscape of the zoo have not been masked and the cleanliness and hygiene of the zoo is not affected due to such animal enclosures/ structures. | Three months | 24.09.2019 | Initiatives had been taken by giving naturalistic appearance to public amenities like visitor's shed, washrooms and further renovation work is going on in this regard. | |
| 8 | 1 0.4(1) | All animals of the zoo should be displayed in nature immersing (naturalistic) enclosures. | As reported the process should be completed at the earliest. | 24.09.2019 | While Construction of new enclosures it will be taken into consideration and there is proposal to transfer caged animals in mooted enclosures. | |

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| 9 | 10.4(2) | There are many caged enclosures in the zoo. It will be appropriate to construct open top enclosures for all these animals like Leopard, Clouded leopard, Binturong, Leaf Monkey, Hoolock Gibbon etc. Moats should be created on visitors' side only. | As reported the process should be completed at the earliest. | 24.09.2019 | Since the zoo is within the Sanctuary and Rhesus macaque are continuously entering inside the open top enclosure & taking animals feed which ultimately affects the health & management of the animal. However, open top enclosure for clouded Leopard has been constructed. Species like Clouded Leopard, Binturong, and Leaf Monkey has already been shifted to open top/moated enclosures. | |
| 10 | 10.4(2) | The porcupine enclosures should be demolished since the same does not meet CZA's requirement. | As reported the process should be completed at the earliest. | 24.09.2019 | Proposal for new enclosures has been sent to CZA. Once fund received it will be demolished and new enclosure will be constructed as per CZA guideline. | |
| 11 | 10.4(2) | The Leopard cat, Jungle cat and Large Indian civet cat should be provided at least 30% of the enclosure area as kuccha and elevated wooden platform and wooden logs to meet the behavioural requirement of the species. | Six months | 24.09.2019 | Action already taken in this regards. | |
| 12 | 10.4(2) | Enclosure for Indian pied hornbill does not meet its requirement. The area of the aviary should be extended. | As reported the process should be completed at the earliest. | 24.09.2019 | Action Taken. | |
| 13 | 10.4(3) | For the safety of animals and visitors, the zoo should not allow any animal houses to be visible to the visitors. The same should be | Immediately | 24.09.2019 | Action has been taken in some enclosures with bamboo screen remaining enclosures also will be provided with the same. | |

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| | | screened immediately. The houses should have appropriate locking system and locks. | | | | |
| 14 | 10.4(3) | The animal houses of the CBC should be made safe and secure for the animals and the animal keepers. | Immediately | 24.09.2019 | Animal Keeper gallery has been constructed as safety measure. | |
| 15 | 10.4(6) | All enclosures should be enriched particularly enclosure for Common monitor 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 animal requirements. To simulate the conditions, vegetation should be planted inside the enclosure. The enclosure should also be provided wooden logs as environmental enrichment. | Immediately | 24.09.2019 | Species-specific enrichments have been provided in most of the enclosures of Zoo with locally available biodegradable materials. Moreover new reptile house is under construction and likely to be completed within next six months and except crocodile all these animals will be shifted to the new enclosures with proper enrichments. | |
| 16 | 10.4(9) | The zoo should provide appropriately designed and effective standoff barriers at every animal display enclosure to regulate the movement of visitors in the zoo in a manner that facilitates the visitors in getting unobstructed view of wild animals, without reaching in the vicinity or proximity of the animals and getting the opportunity to physically touch or provoke the animals. | Immediately. The CZA does not provide financial assistance to the zoo for laying stand-off barrier to animal enclosure s) | 24.09.2019 | Action taken | |
| 17 | 10.4(9) | The zoo should plant hedge between the standoff barrier and the | Immediately | 24.09.2019 | Action taken | |

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|----|----------|---|-------------|------------|---|--|
| | | paddock wall in all animal enclosures. | | | | |
| 18 | 10.4(9) | The zoo should provide warning signage at the animal enclosures. | Immediately | 24.09.2019 | It has been provided in most of the animal enclosures and more signage will be put during the current financial year. | |
| 19 | 10.4(9) | The grills provided on the visitor's side in the Himalayan Black bear enclosure should be removed and suitably designed stand-off barriers and adequate warning signs should be provided for keeping the visitors at a safe distance from the animal enclosure. Similar initiative should be taken for all other animal enclosures which have not been provided with stand-off barriers. | Immediately | 24.09.2019 | New stand-off barrier in Himalayan Black Bear enclosure has been done with locally available materials and proper warning signage for visitors has been placed. However a detail proposal has been sent to the authority for entire renovation of the enclosure and it is expected to be completed by the current financial year. | |
| 20 | 10.4(10) | The condition of signage is very bad in the zoo. They are old. The signages in the enclosures near the entrance of the zoo is somewhat better. In many of the enclosures, there is no signage at all. The one line signage written as "diurnal" etc has been placed in many enclosures. The zoo should have proper signange explaining behaviour and biology of the species displayed in the enclosure. | Immediately | 24.09.2019 | Old signage mostly have been removed and replaced with new signage along with barcode facility. Furthermore all the old signage will be replaced very shortly once we receive the fund which is expected. | |
| 21 | 10.5(1) | There should be footbath of adequate size with proper disinfectant at entry and exit points of all animal houses and they should be used and maintained properly. | Immediately | 24.09.2019 | Action taken to rectify the cracks in the footpath at entry & exit points and other animal premises and the zoo hospital is adequately supplying disinfectants for the purpose and tracking it on daily basis. | |

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| 22 | 10.5(2) | The meat handlers entering the facility should use clean gloves and disinfected boots. | Immediately | 24.09.2019 | Action taken to purchase gum boots, gloves and the meat handlers are made aware about the importance of using clean gloves and disinfected boots. | |
| 23 | 10.5(2) | The meat house should be fly proof and pest free and located at a reasonable distance from the feed store and kitchen. | Immediately | 24.09.2019 | Action taken. | |
| 24 | 10.5(2) | The zoo should have a sufficient size functioning freezer in the meat processing facility for storage of meat products and to keep cold until it is fed to the animals. | Immediately | 24.09.2019 | At present we do not have such large freezers for meat storage, At Zoo freshly dressed meat is provided everyday to the animals. Hence freezer is not required. | |
| 25 | 10.5(2) | There should be covered drainage system to prevent wastes and water from the meat preparation facility from draining onto the ground surrounding the facility to avoid carry of pathogens around since the facility is in the Protected Area and the wildlife of the PA may become exposed to the waste. | Immediately | 24.09.2019 | Action Taken | |
| 26 | 10.5(2) | The food and water samples should be tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory. | Immediately | 24.09.2019 | Action taken by testing the sample at laboratory of Veterinary College, R.K nagar Agartala, Report reflects no contamination. | |
| 27 | 10.5(10) | The zoo should make arrangements for recording in writing, the detailed observations of the biological behaviour, population dynamics and veterinary care of the animals exhibited in | Immediately (provide documentary evidence of records in | 24.09.2019 | Record maintained properly at zoo Hospital. | |

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| | | the zoo. The data base may be exchanged with the other zoos as well as the Central Zoo Authority. | prescribed format if complied) | | | |
| 28 | 10.6(1) | The zoo should have independent quarantine and isolation ward at appropriate location so that it functions independently. | Immediately | 24.09.2019 | Proposal for more quarantine & isolation ward has been initiated and it is expected to get the fund during this current financial year. | |
| 29 | 10.6(1) | The zoo should have a full-fledged veterinary unit 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 upto the mark at all. | Six months | 24.09.2019 | Proposal for up-gradation of veterinary facilities including maintenance of diagnostic facilities, procurement of drugs etc have already been taken up. | |
| 30 | 10.6(1) | The zoo should have arrangements of reference laboratory support and rapid transportation of diagnostic samples to nearest veterinary institution equipped with requisite facilities. | Six months | 24.09.2019 | Action taken with collaboration with veterinary hospital, R.K.Nagar, Agartala West Tripura. | |
| 31 | 10.6(3) | Provision for squeeze cage for small and large animals should be made. | As reported the process should be completed at the earliest. | 24.09.2019 | Zoo already have squeeze cage for all types of animals and they are in working condition. | |
| 32 | 10.6(3) | Sick animal room needs proper ventilation and enrichment. | Immediately | 24.09.2019 | Action taken. | |
| 33 | 10.6(5) | The zoo should post qualified Lab. Assistant and Compounder to assist the Veterinary Officer. | immediately | 24.09.2019 | Presently there is no Lab Assistant and compounder available to help the veterinary Officer & may be posted on deputation. Proposal in this regard has already been initiated to the | |

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| | | | | | Director, ARDD and it is under active consideration of the authority. | |
| 3 4 | 10.9(4) | The zoo should acquire mates for single animals (Spotted dove, Fishing eagle, Peafowl, White backed vulture, Himalayan palm civet, Hog deer, Hoolock gibbon, Crab eating mongoose, Serow, Bengal tiger, Common monitor lizard, Water monitor lizard, Black spotted turtle etc.) on priority basis. | Immediately | 24.09.2019 | Action will be taken by initiating exchange of animals with other Zoos subject to availability of these animals in surplus. | |
| 3 5 | 10.9(6) | The zoo should prepare Conservation Breeding Plan for the species taken up under conservation breeding programme. | Immediately | 24.09.2019 | Action taken. | |
| 3 6 | 10.9(8) | With a view to prevent inbreeding and the loss of heterozygosity, the zoo should maintain the Animal History Cards & Stud and Herd Book for the animals of endangered species housed in the zoo and should put appropriate identification marks for management, transfer or exchange animals with other zoos. | Immediately (provide documentary evidence of records in prescribed format if complied) | 24.09.2019 | Maintained. | |
| 3 7 | 10.9(9) | The zoo should limit the number of animals of each species within the limits set by the proposed animal collection plan of the zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due | Immediately | 24.09.2019 | Number of animals are being maintained, but for lesser Cats, Himalayan Black Bear this is not possible due to rescue. | |

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| | | consideration of the health and welfare of the animals and interest of their long term survival. | | | | |
| 38 | 10(10) | The zoo should implement a research plan and conduct research works on different aspects of captive wild animals for effective management. | Immediately | 24.09.2019 | Some works have been done, rest works are on going. | |
| 39 | | The zoo should have appropriate signages and interpretation facilities, Souvenir Shop etc. for carrying out the conservation education, outreach and awareness programmes. | Immediately | 24.09.2019 | There are appropriate signage, species display board, barcode facility, warning signage, mobile Zoo education facility, preserved specimen of wild animals and other materials for education purpose. | |
| 40 | 10.12(1) | The zoo should have adequate civic facilities for visitors at appropriate and convenient places in the zoo including physically disadvantaged persons. | Immediately | 24.09.2019 | Action taken. | |
| 41 | 10.12(3) | The zoo should make arrangements for providing access to the physically challenged persons for viewing wild animals at animal enclosures and at the civic facilities. | Immediately | 24.09.2019 | Action taken. For physically challenged persons there are wheel chair, battery operated vehicle, ramp etc inside zoo complex. | |
| | 2018 | | | | | |
| 1 | 10.1(3) | There are moated islands for housing primates in the zoo. It was advised to take steps for re-modelling of these primate islands by dressing the inner side of the moats to make more area available to the animals along with providing required enrichment in the Island. Only one side of the Island should be opened | One year | 13.04.2018 | Action Taken for re-modelling of primate islands.High hedges have beenplanted during JuneJuly 2020 but damaged by free ranging barking deer. High hedges have been planted during May - June 2021 with proper protection. Furthermore during the current year higher hedge plantation has been taken up. | |

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| | | to the visitors. The three sides can be camouflaged by high hedges or creating barriers so that visitors are not on all the sides cornering the animal housed in the island. | | | | |
| 2 | | A waste disposal plan for the zoo should be prepared, which should include the solid waste disposal and liquid waste disposal and drainage. The disposal of the waste should be environment friendly with minimum stress on the environment. | One year | 13.04.2018 | A Plan in consultation with Bishalgarh Municipal council as well as other consultants is in process. In addition, Pits have been dug up behind enclosures of carnivore animals. Five numbers waste pit for waste disposal is under construction during the current financial year. | |
| 3 | | The lions housed in front of the Leaf monkeys should be relocated. | One year | 13.04.2018 | Already relocation of leaf monkey has been done in Primate Section. | |
| 4 | 10.1(9) | The fence along the boundary of the zoo should be repaired and maintained regularly. | Immediately and regularly | 13.04.2018 | Maintained. During current year also 100 mtr fencing maintenance is under progress. | |
| 5 | 10.2(2) | The zoo should have adequate scientific and technical staff to support the officer-in-charge of the zoo in carrying out the responsibilities of housing, upkeep and healthcare of zoo animals, research and visitor education by posting Curator, Education Officer and Biologist. | One year | 13.04.2018 | Presently Curator is posted, and 1(one) Project Biologist for CBC has been engaged & NLC staff are being engaged for educating purpose and compilation of animal data sheet. Furthermore engagement of Zoo Biologist and education Officer is under active consideration of the authority. | |
| 6 | 10.3(1) | The zoo should get the Master Plan approved by the CZA | Immediately | 13.04.2018 | Approved. For preparation of the revised master plan and master layout and for modernization of Zoo Govt has finalised the agencies and it will be done within this financial year. | |

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| 7 | 10.3(3) | All 'pucca' buildings including the visitor facilities should be planned and located in such a manner that the natural landscape of the zoo have not been masked and the cleanliness and hygiene of the zoo is not affected due to such animal enclosures/ structures. | One year | 13.04.2018 | Initiatives had been taken by giving naturalistic appearance to public amenities like visitor's shed, washrooms and further renovation work is going on in this regard. | |
| 8 | 10.4(1) | All animals of the zoo should be displayed in nature immersing (naturalistic) enclosures. | One year | 13.04.2018 | While Construction of new enclosures it will be taken into consideration and there is proposal to transfer caged animals in moated enclosures. | |
| 9 | 10.4(2) | There are many caged enclosures in the zoo. It will be appropriate to construct open top enclosures for all these animals like Leopard, Clouded leopard, Binturong, Leaf Monkey, Hoolock Gibbon etc. Moats should be created on visitors' side only. | One year | 13.04.2018 | Since the zoo is within the Sanctuary and Rhesus macaque are continuously entering inside the open top enclosure & taking animals feed which ultimately affects the health & management of the animal. However, open top enclosure for clouded Leopard has been constructed. Species like Clouded Leopard , Binturong , Leaf Monkey has already been shifted to open top/ moated enclosures. | |
| 10 | 10.4(2) | The porcupine enclosures should be demolished since the same does not meet CZA's requirement. | One year | 13.04.2018 | Proposal for new enclosures has been sent to CZA. Once fund received it will be demolished and new enclosure will be constructed as per CZA guideline. | |
| 11 | 10.4(2) | The Leopard cat, Jungle cat and Large Indian civet cat should be provided at least 30% of the enclosure area as kuccha and elevated wooden platform and | One year | 13.04.2018 | Action already taken in this regards. | |

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| | | wooden logs to meet the behavioural requirement of the species. | | | | |
| 1 2 | 10.4(2) | Enclosure for Indian pied hornbill does not meet its requirement. The area of the aviary should be extended. | One year | 13.04.2 018 | Action Taken. | |
| 1 3 | 10.4(3) | For the safety of animals and visitors, the zoo should not allow any animal houses to be visible to the visitors. The same should be screened immediately. The houses should have appropriate locking system and locks, | One year | 13.04.2 018 | Action has been taken in some enclosures with bamboo screen remaining enclosures also will be provided with the same. | |
| 1 4 | 10.4(3) | The animal houses of the CBC should be made safe and secure for the animals and the animal keepers. | One year | 13.04.2 018 | Animal Keeper gallery has been constructed as safety measure. | |
| 1 5 | 10.4(6) | All enclosures should be enriched particularly enclosure for Common monitor 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 animal requirements. To simulate the conditions, vegetation should be planted inside the enclosure. The enclosure should also be provided wooden logs as environmental enrichment. | Immediately | 13.04.2 018 | Species-specific enrichments have been provided in most of the enclosures of Zoo with locally available biodegradable materials. Moreover new reptile house is under construction and likely to be completed within next six months and all these animals will be shifted to the new enclosures with proper enrichments. | |
| 1 6 | 10.4(9) | The zoo should provide appropriately designed and effective standoff barriers at every animal display enclosure to | Immediately | 13.04.2 018 | Proposal has been initiated for construction of new standoff barrier through CAMPA fund as CZA does not provide | |

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| | | regulate the movement of visitors in the zoo in a manner that facilitates the visitors in getting unobstructed view of wild animals, without reaching in the vicinity or proximity of the animals and getting the opportunity to physically touch or provoke the animals. | | | financial assistance for laying stand-off barrier to animal enclosure. During the previous financial year new Stand-off barrier has been constructed and during the current financial year also new stand-off barrier construction is going on. | |
| 17 | 10.4(9) | The zoo should plant hedge between the standoff barrier and the paddock wall in all animal enclosures. | Immediately | 13.04.2018 | Proposal has been initiated for construction of new standoff barrier through CAMPA fund as CZA does not provide financial assistance for laying stand-off barrier to animal enclosure. During the current financial year planted hedge between the standoff barrier and the paddock wall in all animal enclosures. | |
| 18 | 10.4(9) | The zoo should provide warning signage at the animal enclosures. | Immediately | 13.04.2018 | It has been provided in most of the animal enclosures and more signage will be put during the current financial year. | |
| 19 | 10.4(9) | The grills provided on the visitor's side in the Himalayan Black bear enclosure should be removed and suitably designed stand-off barriers and adequate warning signs should be provided for keeping the visitors at a safe distance from the animal enclosure. Similar initiative should be taken for all other animal enclosures which have not been provided with stand-off barriers. | One year | 13.04.2018 | New stand-off barrier in Himalayan Black Bear enclosure has been done with locally available materials and proper warning signage for visitors has been placed. However a detail proposal has been sent to the authority for entire renovation of the enclosure and it is expected to be completed by the current financial year. | |
| 20 | 10.4(10) | The condition of signage is very bad in the zoo. They are old. The | One year | 13.04.2018 | Old signages mostly have been removed and replaced with new | |

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| | | signages in the enclosures near the entrance of the zoo is somewhat better.. In many of the enclosures, there is no signage at all. The one line signage written as "diurnal" etc has been placed in many enclosures. The zoo should have proper signage explaining behaviour and biology of the species displayed in the enclosure. | | | signages along with barcode facility. Furthermore all the old signages will be replaced very shortly once we receive the fund which is expected. | |
| 2 1 | 10.5(1) (h) | There should be footpath of adequate size with proper disinfectant at entry and exit points of all animal houses and they should be used and maintained properly. | One year | 13.04.2 018 | Action taken to rectify the cracks in the footpath at entry & exit points and other animal premises and the zoo hospital is adequately supplying disinfectants for the purpose and tracking it on daily basis. | |
| 2 2 | 10.5(2) (6) | The food and water samples should be tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory. | Immediately | 13.04.2 018 | Action taken by testing the sample at laboratory of Veterinary College, R.K nagar Agartala, Report reflects no contamination. | |
| 2 3 | 10.5(2) (3) | The zoo should have a sufficient size functioning freezer in the meat processing facility for storage of meat products and to keep cold until it is fed to the animals. | Immediately | 13.04.2 018 | At present we do not have such large freezers for meat storage, At Zoo freshly dressed meat is provided everyday to the animals. Hence freezer is not required. | |
| 2 4 | 10.5(2) (4) | The meat handlers entering the facility should change into a clean and disinfected boots and coveralls. | Immediately | 13.04.2 018 | Action taken to purchase gum boots, gloves and the meat handlers are made aware about the importance of using clean gloves and disinfected boots. | |
| 2 5 | 10.5(2) (5) | The meat handlers should use clean gloves when handling the meat. | Immediately | 13.04.2 018 | Action taken. | |

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| 26 | 10.5(10) | The zoo should make arrangements for recording in writing, the detailed observations of the biological behaviour, 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 | 13.04.2018 | Record maintained properly at zoo Hospital. | |
| 27 | 10.5(2) | The meat house should be fly proof and pest free and located at a reasonable distance from the feed store and kitchen. | Immediately | 13.04.2018 | Action taken. | |
| 28 | 10.5(2) | There should be covered drainage system to prevent wastes and water from the meat preparation facility from draining onto the ground surrounding the facility to avoid carry of pathogens around since the facility is in the Protected Area and the wildlife of the PA may become exposed to the waste. | Immediately | 13.04.2018 | Action Taken | |
| 29 | 10.5(2) | The keepers should use clean gloves, while they handle the meat prior to feeding. | Immediately | 13.04.2018 | Action taken to purchase gum boots, gloves and the meat handlers are made aware about the importance of using clean gloves and disinfected boots. | |
| 30 | 10.6(1) | The zoo should have independent quarantine and isolation ward at appropriate location so that it functions independently. | Immediately | 13.04.2018 | Proposal for more quarantine & isolation ward has been initiated and it is expected to get the fund during this current financial year. | |
| 31 | 10.6(1)(b) | The zoo should have a full fledged veterinary unit with all basic diagnostic facilities, | One year | 13.04.2018 | Proposal for upgradation of veterinary facilities including | |

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| | | pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and inpatient wards. At present, it is not upto the mark at all. | | | maintenance of diagnostic facilities, procurement of drugs etc have already been taken up. | |
| 3 2 | 10.6(1 | The zoo should have arrangements of •reference laboratory support and rapid transportation of diagnostic samples to nearest veterinary institution equipped with requisite facilities. | One year | 13.04.2 018 | Action taken with collaboration with veterinary hospital, R.K.Nagar, Agartala West Tripura. | |
| 3 3 | 10.6(3) | Provision for squeeze cage for small and large animals should be made. | One year | 13.04.2 018 | Zoo already have squeeze cage for all types of animals and they are in working condition. | |
| 3 4 | 10.6(3) | Sick animal room needs proper ventilation and enrichment. | One year | 13.04.2 018 | Action taken. | |
| 3 5 | | The zoo should post qualified Lab. Assistant and Compounder to assist the Veterinary Officer. | One year | 13.04.2 018 | Presently there is no Lab Assistant and compounder available to help the veterinary Officer & may be posted on deputation. Proposal in this regard has already been initiated to the Director, ARDD and it is under active consideration of the authority. | |
| 3 6 | 10.9(8) | With a view to prevent inbreeding and the loss of heterozygosity, the zoo should maintain the Animal History Cards & Stud and Herd Book for the animals of endangered species housed in the zoo and should put appropriate identification marks for management, transfer or exchange animals with other zoos. | Immediately | 13.04.2 018 | Maintained. | |

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| 37 | 10.9(9) | The zoo should limit the number of animals of each species within the limits set by the proposed animal collection plan of the zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due consideration of the health and welfare of the animals and interest of their long term survival. | Immediately | 13.04.2018 | Number of animals are being maintained, but for lesser Cats, Himalayan Black Bear this is not possible due to rescue. | |
| 38 | 10.9(4) | The zoo should acquire mates for single animals (Spotted dove, Fishing eagle, Peafowl, White backed vulture, Himalayan palm civet, Hog deer, Hoolock gibbon, Crab eating mongoose, Serow, Bengal tiger, Common monitor lizard, Water monitor lizard, Black spotted turtle etc.) on priority basis | Immediately | 13.04.2018 | Action will be taken by initiating exchange of animals with other Zoos subject to availability of these animals in surplus. | |
| 39 | 10.9(6) | The zoo should prepare Conservation Breeding Plan for the species taken up under conservation breeding programme. | Immediately | 13.04.2018 | Action taken. | |
| 40 | 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 | 13.04.2018 | Some works have been done, rest works are on going. | |
| 41 | | The zoo should have appropriate signages and interpretation facilities, Souvenir Shop etc for carrying out the conservation education, | One year | 13.04.2018 | There are appropriate signage, species display board, barcode facility, warning signage, mobile Zoo education facility, preserved specimen of wild animals and other | |

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| | | outreach and awareness programmes. | | | materials for education purpose. | |
| 4 2 | 10.12(1) | The zoo should have adequate civic facilities for visitors at appropriate and convenient places in the zoo including physically disadvantaged persons. | Immediately | 13.04.2018 | Action taken. | |
| 4 3 | 10.12(3) | The zoo should make arrangements for providing access to the physically challenged persons for viewing wild animals at animal enclosures and at the civic facilities. | Immediately | 13.04.2018 | Action taken. for physically challenged persons there are wheel chair, battery operated vehicle, ramp etc inside zoo complex. | |
| | 2011 | | | | | |
| 1. | 8 | The ailing lions housed in from of the leaf monkeys should be relocated | With immediate effect | 07.07.2011 | Already relocation of leaf monkey has been done in Primate Section. | |
| 2 | 1 | The Zoo authorities should delegate the financial and administrative power to carry out the day to functioning of the zoos. The zoo should also appoint another full time veterinary office and a biologist as mandatory under the Rules | With immediate effect | 07.07.2011 | Zoo have a full time veterinary officer and a Biologist in CBC is also looking after the Zoo activity for the time being. However appointment of fulltime Biologist for Zoo is under active consideration of the authority. | |
| 3 | 1 | Moated primate enclosures; hedge plantation along the moat is required and barbed wire used as standoff barrier should be immediately removed and replaced with suitable materials. | With immediate effect | 07.07.2011 | Action already taken in this regard. | |
| 4 | 2(1) | Animal housing of all enclosures except moated enclosure of Clouded leopard. Tiger One horned rhinoceros, primates, the rest of the enclosures should be | One year | 07.07.2011 | Some of the enclosures has already been modified and the remaining one will also be taken up on priority based on the availability of the fund. | |

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| | | modified as proposed in the master plan of the zoo. | | | | |
| 5 | | <p>(a) The zoo should provide warning signage at the animal enclosures.</p> <p>(b) The moated primate enclosures (leaf monkey) are provided with barbed wire as standoff barrier. It needs to be immediately removed and replaced with appropriate materials.</p> <p>(c) The caged type enclosure for leopard, binturong, leaf monkey, common langur as well as Himalayan black bear does not meet dimensions as prescribed by the CZA in its guidelines for scientific management of the zoos. The enclosure should be made following the prescribed dimensions of the CZA.</p> <p>(d) The porcupine enclosures should be demolished since the same does not meet CZA's requirement.</p> <p>(e) The viewing shed at One horned rhino enclosure next to its sunken house should be shifted to a suitable place for the safety of animal as well as visitors.</p> <p>(f) For the safety of animals and visitors, the zoo should not allow any animal houses to be visible to the visitors. The same should be</p> | <p>With immediate effect</p> <p>With immediate effect</p> <p>One year</p> <p>One year</p> <p>Six months</p> <p>Three months</p> <p>With immediate effect</p> <p>Three months</p> | 07.07.2011 | <p>(a) Action already taken.</p> <p>(b) Action already taken.</p> <p>(c) For binturong, leaf monkey, Himalayan Black bear the enclosure has been changed with open top/moated enclosures. For common leopard new enclosure will be taken up as per the specified dimensions of the CZA based on the availability of fund.</p> <p>(d) Proposal for new enclosures has been sent to CZA. Once fund received it will be demolished and new enclosure will be constructed as per CZA guideline.</p> <p>(e) Action already taken. At present there is no One horned Rhino, once we acquire the entire enclosure will be renovated.</p> <p>(f) Action has been taken in some enclosures with bamboo screen remaining enclosures also will be provided with the same.</p> | |

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| | | <p>screened immediately. The houses should have appropriate locking system and locks.</p> <p>(g) The unused chain link fence lying inside the Clouded leopard enclosure No. 20 should be removed immediately, for the safety of animals.</p> <p>(h) The Leopard cat, Jungle cat and Large Indian civet cat should be provide at least 30% of the enclosure area as kuccha and elevated wooden platform and wooden logs as to meet the behavioural requirement of the species.</p> <p>(i) The animals housed of Clouded leopard enclosure No. 19 was found depilated conditions. The same should be strengthened immediately.</p> <p>(j) Enclosure for Indian pied hornbill does not meet is requirement. The area of the aviary should be extended.</p> | <p>Three months</p> <p>Six months</p> | | <p>(g) Action already taken.</p> <p>(h) Action already taken in this regards.</p> <p>(i) Action already taken in this regards.</p> <p>(j) Action Taken.</p> | |
| 6 | 6 | <p>(a) All enclosures should be enriched particularly enclosures for common monitor lizards. Crocodile and turtles. Sand for basking, submerged water body and placed for basking should be provided. The same should be modified keeping in view of that it meets the animal requirement to simulate the conditions, vegetaion should be planted inside the enlcosuer. The</p> | <p>With immediate effect</p> | <p>07.07.2011</p> | <p>(a) Species-specific enrichments have been provided in most of the enclosures of Zoo with locally available bio-degradable materials. Moreover new reptile house is under construction and likely to be completed within next six months and all these animals will be shifted to the new enclosures with proper enrichments</p> | |

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| | | enclosure should also be provided wooden logs as environmental enrichment. (b) The stand-off barriers should be strengthened. The feedings & retiring cells should be screened form viewing from visitors. | Three months | | (b) The Stand-off barrier in most of the enclosures has been reconstructed. The feeding and retiring cell in some of the enclosures has been screened from viewing from visitors and the same will be done for the remaining enclosures. | |
| 7 | 3 | New feed store needs to be constructed near zoo hospital. The old feed store at the entrance of the zoo is not suitable and hygienic. The food materials should be stored on the elevated platforms. The store should be made fly proof | Three months | 07.07.2011 | A proposal has already been sent to the authority for complete up-gradation of feed store / go-down. Once fund received it will be done. It is expected to receive the fund in this regard during the current financial year. | |
| 8 | 5 | Schedule for disinfection; Schedule should be immediately prepare and apply accordingly. Rotational disinfectant should be used in animal enclosures to avoid resistant by the germs to the chemicals. | With immediate effect | 07.07.2011 | Action taken. | |
| 9 | 1, 2 & 3 | a. Good microscope and basic laboratory reagent for stool and blood test needs to be procured immediately. b. Individual animal history sheet for endangered species with treatment, vaccination, deworming, tranquilizing records needs to be maintain with immediate effect. c. Provision for squeeze cage for small and large animals should be made. | With immediate effect With immediate effect Six months With immediate effect | 07.07.2011 | (a) Action already taken. (b) Action already taken. (c)Action already taken. (d) Action already taken. | |

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| | | <p>d. Deworming schedule should include drugs for tape worm and liver fluke infestation.</p> <p>e. Vaccination schedule for carnivores against Rabies, Distemper, Parvovirus etc. needs to be prepared and carried out immediately.</p> <p>f. Sick animal room needs proper ventilation and some enrichment like putting logs</p> | <p>With immediate effect</p> <p>With immediate effect</p> | | <p>(e) Action already taken.</p> <p>(f) Action already taken.</p> | |
| 10 | 1 | <p>Death report reveals high mortality amongst small carnivores during Feb and March 2011. There is no definite diagnosis although postmortem was conducted on all the nine small carnivores died in the epidemic. In such situation blood smear for detection Babesiosis and Trypanosomiasis should have been done. Carnivores should also be vaccinated against rabies and distemper.</p> | With immediate effect | 07.07.2011 | Hence forth due care will be taken in this regards. | |
| 11 | 4 | <p>Motorable road to be constructed upto the post mortem house. Firewood incinerator near the house required for disposal of carcass</p> | Six months | 07.07.2011 | Action already taken in this regards. | |
| 12 | 9 | <p>There are more than 300 spotted deer in the zoo. The population control measures by separating male from female taken up by the authority are against the interest of the animals. Alternative measures like vasectomy, spaying or any other method</p> | With immediate effect | 07.07.2011 | An alternative measure like vasectomy, spaying and release in wild is under active consideration. | |

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| | | suitable for animal may be adopted. Effort also needs to be made to donate excess animals to other zoos or to release them back in to the wild, following the CZA guidelines laid in this regard. | | | | |
| 13 | | The zoo should maintain all records pertaining animal inventory, post mortem, animal history sheets, treatment and others in the prescribed format of the CZA. | With immediate effect | 07.07.2011 | It is maintained properly as per the prescribed format of the CZA. | |

p. List of free living wild animals within the zoo premises

| Sl. No. | A. Mammals | B. Birds | C. Reptiles |
|---------|------------------------|------------------------|-----------------------------|
| 1 | Leopard cat | Jungle fowl | Monocle Cobra |
| 2 | Small Indian civet | Wood pecker | Rat Snake |
| 3 | Wild cat | Indian roller | Burmese python |
| 4 | Wild Boar | Green barbet | Red tailed pit viper |
| 5 | Porcupine | Spotted dove | Monitor lizard |
| 6 | Mongoose | Bulbul | Banded Krait |
| 7 | Palm civet | Drongo | Copper headed trinket snake |
| 8 | Spectacled langur | Oriental pied Hornbill | Common wolf snake |
| 9 | Capped langur | Parakeet | Ornamental flying snake |
| 10 | Slow loris | Tailor birds | Striped keelback |
| 11 | Pig tailed macaque | Jacana | Bronze back tree snake |
| 12 | Rhesus macaque | Golden Oriole | Red necked keelback |
| 13 | Barking deer | Little Cormorant | Striped keel back snake |
| 14 | Hoary-bellied squirrel | Grey Heron | Common garden lizard |
| 15 | | Little Egret | Skink |
| 16 | | Common teal | |
| 17 | | Common Buzzard | |
| 18 | | Lawping | |
| 19 | | Greater Couckoo | |
| 20 | | Jungle Owlet | |

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| 21 | | White Throated kingfisher | |
| 22 | | Barbet | |
| 23 | | Colored dove | |
| 24 | | Common crow | |
| 26 | | Barbed owlet | |



r. Gimps of some visitor's facilities available in the zoo:



s. Gimps of some veterinary facilities available in the zoo:



Zoo hospital



Shifting cages



Deep fridge



Post-mortem room



Operation theatre



Quarantine enclosure



Tranquilizing gun & accessories



Zoo laoratory



x-ray



Treatment of turtle



Treatment of fishing cat



Treatment of spectacled langur

VETERINARY FACILITIES



Animal shifting cage



Deep freezer



Laboratory



Operation theatre



Post-mortem room



Quarantine enclosure for large animals



Quarantine enclosure for small animals



Tranquilizing guns



X-ray facility



Zoo hospital

GLIMPSES OF VISITOR AMENITIES



Wheel chair



Zoo ticket counter



Baby care room



Battery operated vehicle



Canteen



Drinking water & dustbin



Informative rest sheds



Lavatory



Rented bicycles



Visitor waiting room

