



SURULIA MINI ZOO
Annual Report of
2018-19

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1. Report of the Officer-in-charge:

The Surulia Mini Zoo is a dynamic ex-situ nature conservation centre for the animals. This centre is built up to keep and breed wild animals / species earlier found in South West Bengal region (Jungle Mahal) for their ultimate release / re-introduce in the recently rejuvenated forests of Purulia district and to provide a safe abode to rescued wild animals, confiscated, injured, orphaned and sick animals from human habitation or miscreants. During the past few years, the Zoo is receiving major improvements in the form of new and upgraded enclosures for Languor, Rhesus Macaques, Sloth Bears and Deer. Visitor friendly facilities such as new visitor path, beautiful lawns and landscaping have been put in place. For the betterment of the inmates, new Treatment room has been constructed. There is an informative Nature Interpretation Centre with dioramas of local fauna and tribal culture for children to interact in. A conference hall is present which is used to host wildlife film fests, quizzes and lecture sessions for the visitors. More enclosures and developments are planned for the coming year.

We would strive to achieve visitor satisfaction and will give priority to the coordination between the Zoo Staff and Officers so that there will be a good understanding between them. Our dream is to make this Zoo magnificent so that it can be made the centre of attraction to the inhabitants and the visitors to this region as well as a centre for education and awareness programme by offering exceptional public service and recreation.

Sd/-
Divisional Forest Officer
Kangsabati North Division
&
Ex-Officio Director
Surulia Mini Zoo, Purulia



2. History of the Zoo:

Surulia Mini Zoo was established in 1998 as a Spotted Deer Rescue-cum-Captive Breeding Centre with an area of 1.5 Ha. It was recognized as Mini Zoo by the Central Zoo Authority vide letter no. F No. 22-71/2004-CZA (457) (M) dated 05.08.2005. The CZA granted recognition to this Centre for a period up to 31st December, 2015 (Annexure-IX).

The main objective of this Centre was to keep and breed wild animals / species earlier found in South West Bengal region (Jungle Mahal) for their ultimate release / re-introduce in the recently rejuvenated forests of Purulia district. Initially the centre had 25 numbers of animals belonging to different species in the open air or caged enclosures. Later the inhabitants of Puruliatown and other parts of the district became interested to visit the centre to take glimpses of local wild animals and birds.

3. Vision of the Zoo:

Our vision is to develop the zoo to serve as a dynamic ex-situ nature conservation centre for the animals by preserving the indigenous bio-diversity of the region with intensive Scientific Zoo Management by trained staff and engaging in Research activities to develop the zoo as a centre of learning for people and making it self-sufficient to accomplish its objectives.

4. Mission of the Zoo:

Our mission is to develop this mini zoo as a centre of excellence for ex-situ conservation and education and awareness programme by offering exceptional public service, recreation, and to make the future generations to become active citizens in wildlife conservation through nature education and awareness programme.

5. Objectives:

Surulia Mini Zoo was established with a view to achieve the following objectives in conformity with the Natinal Zoo Policy, 1998 :

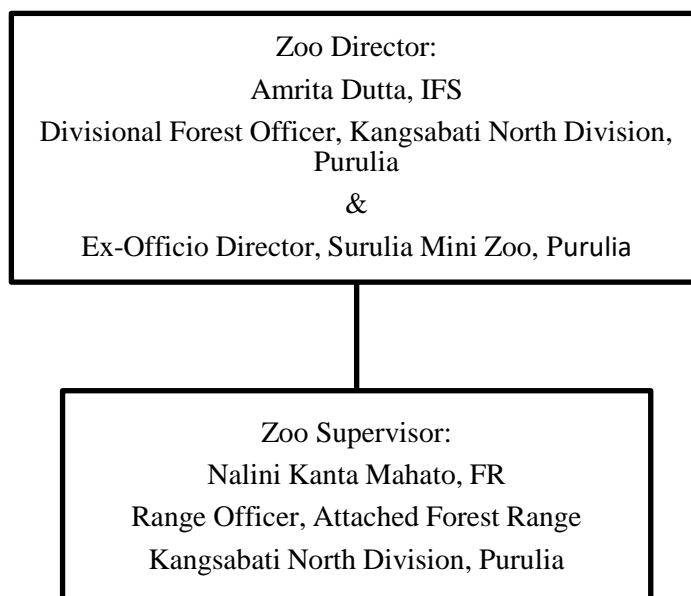
- To exhibit and display of wild animals in their naturalistic conditions
- To disseminate conservation education and spread awareness about wild animals and birds among general public especially youngsters
- To keep and breed wild animal, species earlier found in South West Bengal region (Jungle Mahal) for their release or re-introduction in the rejuvenated forests of the region
- To provide a safe abode to rescued wild animals, confiscated, injured orphaned and sick animals from human habitation or miscreants
- To promote research and education among school, college and university studentson the various aspects of ecology and behaviour of wild animals
- To maintain a gene pool of the wild animals and birds
- To instil among people a sense of belonging and caring attitude towards wildlife

6. About us:

| Sl. No. | Particulars | Information |
|--|--|---|
| Basic Information about the Zoo | | |
| 1. | Name of the Zoo | Surulia Mini Zoo |
| 2. | Year of Establishment | 05.08.2005 |
| 3. | Address of the Zoo | Vill .-Surulia, P.O. –Vivekananda Nagar, P.S.- Purulia (M), Pin – 723147 Division Address :Kangsabati North Division Raghabpur More, Purulia, Pin – 723101, West Bengal |
| 4. | State | West Bengal |
| 5. | Telephone Number | 03252-222231 |
| 6. | Fax Number | 03252-227468 |
| 7. | E-mail address | dfoknd@gmail.com |
| 8. | Website | NA |
| 9. | Distance from nearest | Airport:Ranchi (130 kms) Railway Station:Purulia Jn. (3km) Bus Stand:Purulia Bus Stand (6km) |
| 10. | Recognition Valid up to (Date) | 05.05.2018 |
| 11. | Category of Zoo | Mini Zoo |
| 12. | Area (in Hectares) | 6.5992 ha |
| 13. | Number of Visitors (2018-19) | Adult:38,041 Nos. Children:6,063Nos. Total Foreigners: Nil Total Visitors:44,104 Nos. |
| 14. | Visitors' Facilities Available in Zoo | Drinking Water, Toilets, Seating arrangements, Ramps, Lawns |
| 15. | Weekly Closure Day of the Zoo | Tuesday |
| Management Personal of the Zoo | | |
| 16. | Name with designation of the Officer in-charge | Amrita Dutta, IFS Divisional Forest Officer, Kangsabati North Division & Ex-Officio Director, Surulia Mini Zoo Zoo Supervisor: NaliniKantaMahato, FR Range Officer, Attached Forest Range |
| | Name of the Veterinary Officer | VO, SAHC, Purulia has been designated to render veterinary services to Surulia Mini Zoo by order of DirectorofAnimalHusbandry& Veterinary Services, West Bengal |
| | Name of the Curator | NA |

| | | |
|------------------------------------|--|--|
| | Name of the Biologist | NA |
| | Name of the Education Officer | NA |
| | Name of the Compounder / Lab Assistant | NA |
| Owner / Operator of the Zoo | | |
| 17. | Name of the Operator | PCCF & Chief Wildlife Warden, Forest Department, Government of West Bengal Member-Secretary, West Bengal Zoo Authority |
| 18. | Address of the Operator | Chief Wildlife Warden: North Block – 3rd Floor, VikasBhawan, Salt Lake City, Kolkata – 700091 Member-Secretary: AranyaBhawan (7 th Floor), Block- LA-10A, Sector- III, Salt Lake City, Kolkata – 700 106 |
| 19. | Contact details / Phone number of Operator | +913323355010 |
| 20. | E-mail address of Operator | msswbza@gmail.com , wbzooauthority@yahoo.com |

7. **Organizational Chart :**



8. Human Resources :

Manpower of the Zoo*

| Sl. No. | Designation | No. of Sanctioned Posts | No. of Sanctioned posts filled | Names of the incumbent |
|---------|---------------------------------|-------------------------|--------------------------------|------------------------|
| 1. | Zoo Supervisor | 1 | 1 | NaliniKantaMahato,FR |
| 2. | Zoo Keeper | 2 | 2 | Ganesh Rajwar |
| | | | | YudhisthirRajwar |
| 3. | Animal Attendant | 4 | 4 | BiswajitRajak |
| | | | | Malinda Rajwar |
| | | | | Prakash Singh |
| | | | | NiruRajwar |
| 4. | Security Personnel | 4 | 4 | SwapanRajwar |
| | | | | TulshiRajwar |
| | | | | KishanBouri |
| | | | | Nepal Bouri |
| 5. | Ticket Collector & Office Asst. | 1 | 1 | SekharChoudhury |
| 6. | Gate Keeper | 1 | 1 | RamapadaRajak |
| 7. | Sanitation Attendant | 1 | 1 | Smt. MalatiBauri |
| 8. | Garden Attendant | 1 | 1 | KalipadaRajwar |

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 attached |
|---------|---|---|--|---|
| 1. | YudhisthirRajwar (Zoo keeper) | To enhance the professional knowledge, and to sharpen skills | 17 th - 21 st December, 2018 | BhagwanBirsa Biological Park, Ormanjhi, Ranchi, Jharkhand |
| 2. | YudhisthirRajwar (Zoo keeper) BiswajitRajak (Animal Attendant) | Training for technique of capturing of Deer and other Animals for translocation from different Zoos | 28 th -29 th March, 2019 | Zoological Garden, Alipore 2, Alipore Road, Kolkata |

10. Zoo Advisory Committee :

a. Date of constitution – 23.12.2009

b. Members -13 Nos.

1. Chief Secretary to the Govt. of West Bengal Chairman
2. Addl. Chief/Principal Secretary to the Govt. of West Bengal, Dept. of Forests Vice-Chairman
3. Secretary, West Bengal Zoo Authority Member-
4. Secretary to the Govt. of West Bengal, Dept of Finance
5. Principal Chief Conservator of Forests & HOFF, West Bengal Member
6. Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden, West Bengal Member
7. Member Secretary, Central Zoo Authority, New Delhi Member
8. Director, Animal Husbandry & Vet. Services, W.B Member
9. Director, Padmaja Naidu Himalayan Zoological Park, Darjeeling Member.
10. Director, Zoological Garden, Alipore, Kolkata Member
11. ShriDebasishParamanik, RaigunjPanchayetSamiti, Uttardinajpur Member
12. ShriSankarDhar, People's for Animals, Alipurduar Member
13. Sk. Johar Ali, President , All Backward Class Relief & Development Mission Member
14. Smt. DebolinaBiswas, Councilor, Kolkata Municipal Corporation, Ward No. 74 Member

c. Dates on which Meetings held during the year–

09.04.2018 (15th Governing Body Meeting)

12.04.2019 (18th Technical Committee Meeting)

11. Health Advisory Committee :

a. Date of constitution–

b. Members–2 Nos.

1. Dr.MalayMaity.
2. Dr.JoyjitMitra.

c. Dates on which Meetings held during the year–

25.05.2018 (Health Advisory Committee visit at Surulia Mini Zoo)

12. Statement of income and expenditure of the Zoo :

Year : 2018-19

Opening Balance -Rs.3,96,011.50

| Month | Revenue | Fund Received | Total Budget | Expenditure |
|--------------|--------------------|-----------------------|-----------------------|-----------------------|
| Apr-18 | 25163.00 | 5,00,000.00 | 8,96,011.50 | 419809.00 |
| May-18 | 24899.00 | 11,16,413.00 | 20,12,424.50 | 794055.00 |
| Jun-18 | 32979.00 | 3,97,820.00 | 24,10,244.50 | 728150.00 |
| Jul-18 | 26435.00 | 23,00,000.00 | 47,10,244.50 | 1536871.00 |
| Aug-18 | 37452.00 | 4,37,468.00 | 51,47,712.50 | 864354.00 |
| Sep-18 | 25864.00 | 7,00,000.00 | 58,47,712.50 | 596066.50 |
| Oct-18 | 42253.00 | 17,00,753.00 | 75,48,465.50 | 2023260.00 |
| Nov-18 | 32899.00 | 16,00,000.00 | 91,48,465.50 | 1113425.00 |
| Dec-18 | 81111.00 | 0.00 | 91,48,465.50 | 69339.00 |
| Jan-19 | 94919.00 | 0.00 | 91,48,465.50 | 309874.00 |
| Feb-19 | 43890.00 | 21,41,158.00 | 1,12,89,623.50 | 1680862.00 |
| Mar-19 | 45405.00 | 9,50,000.00 | 1,22,39,623.50 | 1255454.00 |
| Total | 5,13,269.00 | 1,18,43,612.00 | 1,22,39,623.00 | 1,13,91,519.50 |

13. Daily feed Schedule of animals:

| Sl. No. | Species | Feed item | Quantity | | Day of fasting |
|---------|-----------------------|--|----------|------------|----------------|
| | | | Winter | Summer | |
| 1. | Sloth Bear | Wheat Flour, Milk, Refine Oil,Dates,Egg | Dates | Watermelon | -- |
| 2. | Common Langur | Gram, rice, Banana | - | - | - |
| 3. | Rhesus Monkey | Gram, rice, Banana | - | - | - |
| 4. | Peafowl | Wheat, Rice, banana | - | - | - |
| 5. | Indian Rock Python | Hen, | - | - | - |
| 6. | Owl | Meat(Chicken) | - | - | - |
| 7. | Lesser Adjutant Stork | Fish | - | - | - |
| 8. | Spotted Deer | MoongChuni, MusurChuni, ArharChuni, Molluscs, Gram Chuni, BarleyChuni, Crushed Maize,M-oil cake,CattleFeed,Wheat Brown, Black Salt, Green Vegetables | - | - | - |
| 9. | Porcupine | Gram, Rice, Banana | - | - | - |

14. Vaccination Schedule of animals

| <u>Sl No</u> | <u>Species</u> | <u>Disease vaccinated for</u> | <u>Name of vaccine & dosage/quantity used</u> | <u>Periodicity</u> | <u>Remarks</u> |
|--------------|-----------------------|-------------------------------|---|--------------------|--|
| 1 | Sloth Bear | <u>Rabies</u> | | | As advised time to time by visiting Zoo veterinarian |
| 2 | Common Langur | <u>Rabies</u> | | | |
| 3 | Rhesus Monkey | <u>Rabies</u> | | | |
| 4 | Peafowl | = | | | |
| 5 | Indian Rock Python | = | | | |
| 6 | Owl | = | | | |
| 7 | Lesser Adjutant Stork | = | | | |
| 8 | Spotted Deer | FMD | | | |
| 9 | Porcupine | Rabies | | | |

15. De-worming Schedule of animals

| <u>Sl. No.</u> | <u>Species</u> | <u>Drug used</u> | <u>Month</u> | <u>Done on</u> |
|----------------|---|------------------|--------------|----------------|
| 1. | All Mammals, Reptile and Birds in the zoo | Femendazole | June | 03.06.2018 |
| | | Femendazole | August | 23.08.2018 |
| | | Albendazole | December | 24.12.2018 |

16. Disinfection Schedule

| <u>Sl No</u> | <u>Species</u> | <u>Type of Enclosure</u> | <u>Disinfectant used and method</u> | <u>Frequency of Disinfection</u> |
|--------------|-----------------------|--------------------------|--|--|
| 1 | Sloth Bear | Open with Night Shelter | KMnO ₄ Footbath, Lime dusting, Ca(ClO) ₂ | Permanent footbath, rest twice a month |
| 2 | Common Langur | Open with Night Shelter | KMnO ₄ Footbath, Lime dusting, Ca(ClO) ₂ | Permanent footbath, rest twice a month |
| 3 | Rhesus Monkey | Open with Night Shelter | KMnO ₄ Footbath, Lime dusting, Ca(ClO) ₂ | Permanent footbath, rest twice a month |
| 4 | Peafowl | Cage | KMnO ₄ wash, Lime dusting, Ca(ClO) ₂ | Weekly |
| 5 | Indian Rock Python | Cage | KMnO ₄ wash, Lime dusting, Ca(ClO) ₂ | Weekly |
| 6 | Owl | Cage | KMnO ₄ wash, Lime dusting, Ca(ClO) ₂ | Weekly |
| 7 | Lesser Adjutant Stork | Cage | KMnO ₄ wash, Lime dusting, Ca(ClO) ₂ | Weekly |
| 8 | Spotted Deer | Cage | KMnO ₄ wash, Lime dusting, Ca(ClO) ₂ | Weekly |
| 9 | Porcupine | Cage | KMnO ₄ wash, Lime dusting, Ca(ClO) ₂ | Weekly |

17. Health Check-up of employees for zoonotic diseases

| Sl.No. | Name | Designation | Date of Health Check up | Findings of Health Check up |
|--------|------------------|---------------------------------------|-------------------------|--|
| 1. | SekharChoudhury | Ticket Collector cum Office Assistant | 12.09.2018 | All employees found free from any disease or illness and found fit for service |
| 2. | YudhisthirRajwar | Zoo Keeper | | |
| 3. | Ganesh Rajwar | Zoo Keeper | | |
| 4. | RampadaRajwar | Gate Keeper | | |
| 5. | BiswajitRajak | Animal Attendant | | |
| 6. | Prakash Singh | Animal Attendant | | |
| 7. | Malinda Rajwar | Animal Attendant | | |
| 8. | NiruRajwar | Animal Attendant | | |
| 9. | KalipadaRajwar | Garden Attendant | | |
| 10. | Nepal Bouri | Security Personal | | |
| 11. | TulshiRajear | Security Personal | | |
| 12. | SwapanRajwar | Security Personal | | |
| 13. | KishanBouri | Security Personal | | |
| 14. | MalatiBauri | Sanitation Attendant | | |

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



Treatment Room



Visitors Path



Rhesus Monkey Enclosure



Common Langur Enclosure

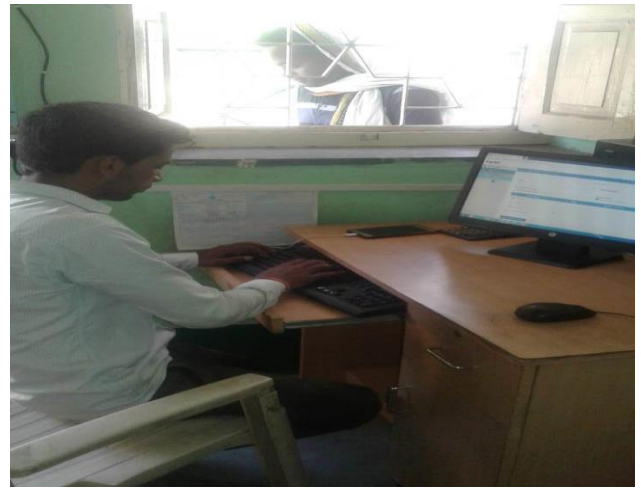
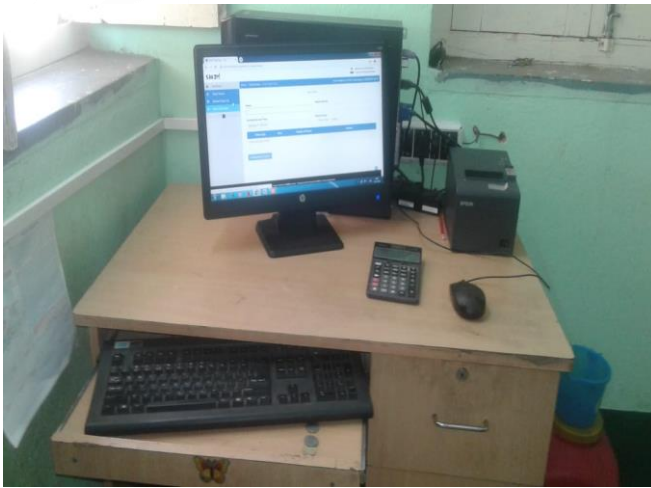


Sloth Bear Night Shelter



Post-mortem Room

The Post-mortem Room for the animals is under construction and will be functional



Digital Ticketing System

19. Education&Awareness programmes during the year :

Beat Officers, Forest Guards of Forest Department have undergone training visits to the Surulia Mini Zoo at various times. Awareness programmes have been conducted in the zoo to collaborate World Environment Day, Wildlife week and other important events of environmental significance. Hands on training on Spotted Deer translocation, relevant isolation tactics and handling has been provided to the staff by Wildlife Expert Team of the Department.

20. Important Events and happenings :

- On 5th June'18 World Environment Day was celebrated in the Zoo.
- 30 nos Spotted Deer translocated to suitable wild habitat during March, 2019 with due CZA permission vide memo no 23/-1/2018- CZA(PKR)/4571/2018 dated 12.10.2018.

21. Seasonal special arrangements for upkeep of animals :

Feed of the animals is modulated as per advice of veterinary officer depending on seasonal conditions. Special provisions for bathing for sloth bears, water points for primates, deer, etc are also arranged. Thatch sheds are put up in the deer enclosure and other enclosures for the animals to rest in.

22. Research Work carried out and publications :

At present there is no research programme in the Zoo. However, local colleges and universities have been invited to take up research topics here in the future.

23. Conservation Breeding Programme of the Zoo :

The Zoo has already in planned captive breeding of some locally found wild animal species earlier found in the forest of South west Bengal like e.g. Spotted Deer.

24. Animalacquisition / transfer / exchange during the year :

| A | Animals arriving in the Zoo | | | | |
|----------|------------------------------------|--------------|---------------|----------------|---------------------------------|
| | H.No | Species | Number (M:F) | From which Zoo | Date of Arrival at the Zoo |
| | NA | | | | |
| B | Animals going from the Zoo | | | | |
| | H.No | Species | Number (M:F) | to which Zoo | Date of deposition from the Zoo |
| | 1 | Spotted Deer | 30 (13:15:02) | Wild habitat | 9 th March, 2019 |

*30 nos Spotted Deer translocated to suitable wild habitat during March, 2019 with due CZA permission vide memo no 23/-1/2018- CZA(PKR)/4571/2018 dated 12.10.2018.

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

| Sl. No. | Date | Name of Species with Nos. | 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. | 21.04.18 | Barking Deer- 1No. | Kotshila Range, PuruliaDivn | 21.04.2018 | | Expired on 22.04.2018 |
| 2. | 20.05.18 | Nil Gai- 1No. | Golamara Village under Purulia Para Range | 20.05.2018 | Transferred on 23.05.2018 to Junglemahal Zoological Park, Jhargram | --- |
| 3. | 20.05.18 | Barking Deer- 1No. | Simni Beat area under Kotshila Range, PuruliaDivn | 20.05.2018 | Released on 20.05.2018 at Simni Beat, Purulia Division Forest area | --- |
| 4. | 19.06.18 | Rhesus Monkey-2Nos. | Science Museum, Purulia | 19.06.2018 | Not yet released | Unfit for survival in the wild due to prolonged captivity |
| 5. | 19.06.18 | Python – 1No. | Science Museum, Purulia | 19.06.2018 | Released on 11.08.2018 at GarhPanchakot Hill | --- |
| 6. | 30.06.18 | Python – 1No. | Purulia Para Range | 30.06.2018 | Released on 04.08.2018 at GarhPanchakot Hill | --- |
| 7. | 03.08.18 | Civet Cat – 1No. | Purulia Police Line under Purulia Para Range | 03.08.2018 | Released on 11.08.2018 at GarhPanchakot Hill | --- |
| 8. | 08.08.18 | Python-1No. | Para village under Purulia Para Range | 08.08.2018 | Released on 11.08.18 at GarhPanchakot Hill | -- |
| 9. | 09.08.18 | Python-1No. | Paharigora village under Purulia Para Range | 09.08.2018 | Released on 11.08.18 at GarhPanchakot Hill | --- |
| 10. | 30.08.18 | Rhesus Monkey – | Raghunathpur Range | 30.08.2018 | Released on 09.10.18 at | --- |

| | | | | | | |
|-----|----------|--------------------------------|---|------------|---|------------------------------------|
| | | 1No. | | | Ajodhya Hill | |
| 11. | 22.09.18 | Common Langur | Raghunathpur Range | 22.09.18 | Released on 09.10.18 at Ajodhya Hill | --- |
| 12. | 25.09.18 | Pangolin- 1 No. | Purulia Para Range | 25.09.2018 | Released on 26.09.18 at GarhPanchakot Hill | --- |
| 13. | 07.10.18 | Hyena- 1No. | Jargo Road Side under Jhalda Range, PuruliaDivn | 07.10.2018 | --- | Expired on 15.10.18 |
| 14. | 30.10.18 | Rhesus Monkey- 1No. | Raghunathpur Range | 30.10.2018 | Released on 28.12.18 at Ajodhya Hill | |
| 15. | 17.11.18 | Python-1No. | Gobindpur Beat under Purulia Para range | 17.11.2018 | Released on 28.12.18 at Ajodhya Hill | --- |
| 16. | 26.11.18 | Python-1 No. | Purulia Para range | 26.11.2018 | Released on 26.11.18 at Ajodhya Hill | --- |
| 17. | 04.12.18 | Python- 1No. | Purulia Para Range | 04.12.2018 | Released on 28.12.18 at Ajodhya Hill | --- |
| 18. | 18.12.18 | Rhesus Monkey- 1No. | Puncha Range | 18.12.2018 | --- | Expired on 19.12.2018 |
| 19. | 18.12.18 | Stork Adjutant (lesser) - 1No. | Puncha Range | 18.12.2018 | --- | Expired on 23.12.2018 |
| 20. | 25.12.18 | Python- 3Nos. | Purulia Para range | 25.12.2018 | Released on 28.12.18 at Ajodhya Hill | --- |
| 21. | 01.01.19 | Owl- 1No. | Purulia Para Range | 01.01.2019 | Released on 03.01.19 at Surulia Forest area | --- |
| 22. | 12.01.19 | Common Langur- 1No. | Purulia Para Range | 12.01.2019 | --- | Expired on 13.01.2019 |
| 23. | 13.01.19 | Stork Adjutant (lesser) - 1No. | Purulia Para Range | 13.01.2019 | --- | Expired on 22.01.2019 |
| 24. | 11.02.19 | Fox – 1No. | Arsha Range, PuruliaDivn | 11.02.2019 | Not yet released | Very young, kept under observation |
| 25. | 13.02.19 | Stork Adjutant (lesser) - 1No. | Purulia Para Range | 13.02.2019 | --- | Expired on 20.02.2019 |
| 26. | 13.03.19 | Spotted Deer – 1No. | Jamuna Range, KSD | 13.03.2019 | Not yet released | --- |
| 27. | 14.03.19 | Barking Deer- 1No. | Burda Beat under Baghmundi Range, PuruliaDivn | 14.03.2019 | --- | Expired on 17.03.2019 |
| 28. | 18.03.19 | Spotted Deer – 1No. | Jamuna Range, KSD | 18.03.19 | --- | Expired on 18.03.2019 |
| 29. | 18.03.19 | Spotted Deer – 1No. | Jamuna Range, KSD | 18.03.19 | Not yet released | --- |



Treatment and Care of rescued animals



Release of rescued Pangolin

26. Annual Inventory of animals :

Form – ii

[See Rule 11 (1)]

Inventory Report for the Year:

Endangered Species*

| S.No | Animal Name | Scientific name | Opening Stock as on | | | | Births | | | Acquisition | | | Disposal | | | Death | | | Closing Stock as on | | | |
|---|------------------------|------------------------------------|---------------------|----|----|----|--------|---|----|-------------|---|---|----------|----|---|-------|---|---|---------------------|----|---|----|
| | | | M | F | U | T | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T |
| 1. | Peafowl | <u>PavoCristatus</u> | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 2. | Bear Sloth | <u>MelursusUrsinus</u> | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 3. | Languor Common | <u>SemnopithecusEntellus</u> | 3 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 3 | |
| 4. | Macaque Rhesus | <u>MacacaMullata</u> | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | |
| 5. | Python Indian-Rock | <u>PythonMolurus</u> | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | <u>Total of Endangered Species</u> | 7 | 4 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 6 | 2 | 2 | 9 | |
| Endangered Species Schedule (III & IV) | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Owl Barn | <u>Tyto Alba</u> | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 7. | Stork Adjutant(lessor) | <u>LeptoptilosJavanicus</u> | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 8. | Deer Spotted (Chital) | <u>Axis Axis</u> | 14 | 14 | 20 | 48 | 0 | 0 | 13 | 0 | 0 | 0 | 13 | 15 | 2 | 2 | 3 | 4 | 7 | 13 | 2 | 22 |
| 9. | Porcupine(Albino) | <u>HystrixIndica</u> | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | |
| | | <u>Total of Species</u> | 22 | 19 | 24 | 63 | 0 | 0 | 13 | 0 | 0 | 0 | 13 | 15 | 2 | 2 | 3 | 4 | 14 | 16 | 7 | 56 |

*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972



Porcupines and Python within their enclosure

27. Mortality of animals :

| Sl. No. | Animal Name (with individual identification mark, if any) | Scientific Name | Sex | Date of Death | Reason of Death as per the Post-mortem report |
|---------|---|-------------------------------|-----|---------------|---|
| 1.. | Common Languor | <i>Semnopithecusen tellus</i> | F | 04.04.2018 | Pneumonia & gastritis due to senility. |
| 2. | Peahen | <i>Pavocristatus</i> | F | 21.04.2018 | Cardiac failure due to extreme hot weather and old age |
| 3. | Rhesus Monkey | <i>Macacamulatta</i> | M | 03.07.2018 | History of fight, biting wound at thorax, mouth filled with clot. |
| 4. | Spotted Deer | <i>Axis axis</i> | F | 08.08.2018 | Cardiac respiratory failure due to impaction of rumen & formation of bloat |
| 5. | Spotted Deer | <i>Axis axis</i> | M | 17.09.2018 | Cardio- respiratory failure from shock & severe cyanotic myositis occurred from concussion. |
| 6. | Spotted Deer | <i>Axis axis</i> | M | 10.11.2018 | Debility from senility and old age Death. |
| 7. | Spotted Deer | <i>Axis axis</i> | F | 18.12.2018 | Cardio vascular respiratory failure due to debility & emaciation from the harsh gold weather. |
| 8. | Spotted Deer | <i>Axis axis</i> | M | 05.01.2019 | Death due to septicaemia from abcess and emaciation of harsh weather. |
| 9. | Spotted Deer | <i>Axis axis</i> | M | 14.03.2018 | Starvation, dehydration and weakness in absence of mother doe being translocated |
| 10. | Spotted Deer | <i>Axis axis</i> | M | 16.03.2019 | Emaciation and weakness from starvation due to mother doe translocation. |

28. Compliance with conditions stipulated by the Central Zoo Authority :

| Sl. | RZR, 2009 Norm No. | Particulars of suggestions/ recommendation | Time Period to Comply | Since When Pending | 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 during the visit |
|---|--------------------|---|-----------------------|---------------------------|--|--|
| 1. General requirements | | | | | | |
| 1. | 10.1 (2) | The zoo should plant indigenous species of the plants in and around the newly constructed enclosures. | Immediately | 29.01.2019 | Complied. | Evaluation awaited |
| 2. | 10.1 (6) | There is a rest house constructed inside the zoo premises. The same should be separated by a boundary wall of 2 mtr. Height with independent entry and exit facility. | Immediately | 29.01.2019 | Under process. | Evaluation awaited |
| 3. | 10.1 (9) | The entry of the zoo through main entrance and from rest house side should have appropriate barrier to ensure prevention of entry of stray animals in the zoo premises. | Immediately | 29.01.2019 | Complied. | Evaluation awaited |
| 2. Administrative and Staffing Pattern | | | | | | |
| 4. | 10.2 (1) | The Zoo Director is also having the additional responsibility of the Forest division. A whole time officer-in-charge of the zoo should be deputed to work exclusively for the zoo who shall be of appropriate rank with adequate administrative and | Immediately | 29.01.2019 and 15.06.2016 | Complied. An In-Charge of rank Range Officer with adequate administrative and financial powers deputed as Zoo Supervisor. | Evaluation awaited |

| | | | | | | |
|--|----------|--|-------------|------------------------------|---|--------------------|
| | | financial powers. | | | | |
| 3. Development and Planning | | | | | | |
| 5. | 10.3 (1) | The zoo should get the Master Plan approved from the CZA for its long term development. | Immediately | 29.01.2019 | Complied. Master Layout Plan approved on 28 th September, 2017 by CZA in its 30 th meeting. Master plan approval is pending from CZA. | Evaluation awaited |
| 6. | 10.3 (7) | The zoo should not accept any rescued animal unless the zoo has appropriate housing facility for the animal. | Immediately | 29.01.2019 and 15.06.2016 | Complied. | Evaluation awaited |
| 4. Animal housing, display of animals and animal enclosures | | | | | | |
| 7. | 10.4 (2) | At present the rescued monkey and birds are housed in very poor condition in small cages. The zoo should construct appropriate housing facility for the rescued animal as per the approved Master (Layout) plan following design and dimension of the enclosure prescribed by the CZA for similar species. | Immediately | 29.01.2019 | Complied. Old Rescue Enclosures have been repaired properly. Tendering Process for new Rescue-cum-Quarantine Centre is complete. | Evaluation awaited |
| 8. | 10.4 (3) | The keeper entry to the Spotted deer enclosure is from the visitor side. It should be modified by constructing Night House following CZA prescribed norms and guidelines. A Kraal should be constructed with feeding cells which may also be used as night shelter for | Immediately | 29.01.2019 | Kraal has been constructed in the deer enclosure. Keeper Entry shall be through Service Road side when the Service Road is constructed (Tendering process complete). | Evaluation awaited |

| | | | | | | |
|--|-----------|---|-------------|------------|---|--------------------|
| | | animals in extreme weather conditions. | | | | |
| 9. | 10.4 (6) | The zoo should provide species specific enrichment to the animals of all species housed in zoo. | Six month | 29.01.2019 | Complied. All enclosures are provided with species-specific enrichments e.g. Mud-pool for Sambar, Cave and water-pool for Striped Hyena, Climbing provision and water-pool for Common Leopard, Burrowing provision for Indian Crested Porcupine etc. | Evaluation awaited |
| 10. | 10.4 (10) | The bilingual Signage's should be displayed with adequate scientific information of the species housed in the enclosure. | Three month | 29.01.2019 | Complied. | Evaluation awaited |
| 5. Upkeep and healthcare of animals | | | | | | |
| 11. | | The left over excreta of animals and other wastes should be removed on daily basis. | Immediately | 29.01.2019 | Complied. | Evaluation awaited |
| 12. | 10.5 (5) | The provision of footbath should be made at entry and exit point of the each enclosure. Further, the footbath should have provision of proper disinfectant. | Immediately | 29.01.2019 | Complied. | Evaluation awaited |
| 13. | 10.5 (6) | The food and water samples should be tested randomly and periodically for any contaminants at recognized laboratory. | Immediately | 29.01.2019 | On process. | Evaluation awaited |

| | | | | | | |
|-----|-----------|--|-------------|---------------------------|--|--------------------|
| 14. | 10.5 (8) | The animal vaccination and de-worming schedule should be prepared and displayed at each enclosure and the same should be implemented. | Immediately | 29.01.2019 | Complied. | Evaluation awaited |
| 15. | 10.5 (9) | The zoo staff handling the animals should be screened against zoonotic diseases at least once in a year and the record should be maintained thereof. | Immediately | 29.01.2019 | Complied. Last done in September, 2019. | Evaluation awaited |
| 16. | 10.5 (10) | The Keeper's Diary, Daily Reports, Animal History Cards and Treatment Cards should be prepared as per the specified standards/format of the Central Zoo Authority. | Immediately | 29.01.2019 and 15.06.2016 | Complied. | Evaluation awaited |

6. Veterinary and Infrastructure Facilities

| | | | | | | |
|-----|----------|---|-------------|------------|---|--------------------|
| 17. | 10.6 (1) | The zoo is constructing a treatment room for animals. It should have provision of sufficient light and should be well equipped. | Three month | 29.01.2019 | Treatment Room is complete and will be equipped with sufficient illumination and medical equipments. Procurement is on process. | Evaluation awaited |
| 18. | 10.6 (5) | Whole time veterinary support staff should be deputed. | Immediately | 29.01.2019 | Recruitment of whole-time veterinary support staff has been done. | Evaluation awaited |

7. Post-Mortem and disposal of carcasses of animals

| | | | | | | |
|-----|----------|--|-------------|------------|-----------|-------|
| 19. | 10.7 (2) | The zoo should record the finding of the post mortem of every animals dying in zoo. The CZA prescribed format should be used to record the finding | Immediately | 29.01.2019 | Complied. | Seen. |
|-----|----------|--|-------------|------------|-----------|-------|

| | | | | | | |
|---|-----------|--|--|---------------------------|---|--------------------|
| | | and records should be maintained for not less than six years. | | | | |
| 9. Acquisition and breeding of animals | | | | | | |
| 20. | 10.9 (2) | The zoo should also take animal exchange programme especially for Spotted deer with other nearby recognized zoos as a safeguard against ill effects of inbreeding. | Immediately, as not done from long past. | 29.01.2019 and 15.06.2016 | Application for permission of Exchange program has been sent vide memo no 6544 dated 27 th December, 2019 of this office. | Evaluation awaited |
| 21. | 10.9 (7) | The surplus population of the Spotted deer should be transfer to nearby recognized zoo having appropriate housing facility or should be released in their natural habitat following procedure and guidelines laid in this regard with prior approval of the CZA. | Immediately | 29.01.2019 and 15.06.2016 | Complied. 30 no of spotted deers were translocated to natural habitat during March 2019 with due permission of CZA vide memo no.F.No.23/-1/2018- CZA(PKR)/4571/2018 dated 12.10.2018 | Evaluation awaited |
| 22. | 10.9 (7) | The zoo should implement scientific population control methods to limit the growing population of the Spotted deer. | Immediately | 29.01.2019 and 15.06.2016 | Will be taken up in compliance with CZA norms. | Evaluation awaited |
| 10. Research Activities | | | | | | |
| 23. | 10.10 (1) | The zoo by involving local education institutions should initiate need based research programme in the zoo. | One year | 29.01.2019 | Complied. Students from local colleges take part in research activities. | Evaluation awaited |
| 11. Education and Outreach Activities | | | | | | |
| 24. | 10.11(1) | The zoo should celebrate various environment days | Immediately | 29.01.2019 | Complied. Regular Celebration of Environment and | Evaluation awaited |

| | | | | | | |
|-------------------------------|--------------|--|-------------|------------|---|--------------------|
| | | and wildlife week as Education and Outreach activity for the local people to make them aware of environment conservation. | | | Wildlife Days involving School Children and Public is taken up. | |
| 12. Visitor Facilities | | | | | | |
| 25. | 10.12 (2) | The zoo should also procure and maintain snake anti-venom and made available to the visitor or zoo staff as and when required. | Immediately | 29.01.2019 | Available for staff and visitor at the District Healthcare Facility which is very close to the zoo. | Evaluation awaited |
| 26. | 10.12 (3) | The zoo should make arrangement of wheel chair to facilitate the visit of “divyangjan”. | Immediately | 29.01.2019 | “Divyangjan”-friendly navigation and other facilities are present. | Evaluation awaited |

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

- a. **Mammals**-Rat, Indian Palm Squirrel, Common Languor (*Presbytis entellus*), Common mongoose (*Harpertessedwardsii*), Fruit Bats (*Chiroptera*)
- b. **Birds**-Jungle Babblers, Indian Myna, Parakeets (*Psittacula spp.*), Cuckoos (*Cuculidae*), Owls (*Strixocellata*), Doves (*Storetopeliachinensis*), Lesser Adjutant Storks
- c. **Reptiles**- Thutur(*BungarusFasciatus*), Common Krait (*Bungaruscaeruleus*), Garden Chameleons(*ChameleoChameleon*), Snakes(*Najanaja*, *Viperaspp*, *Ptyasmucosus*, *Amphiesmastolata* etc.),

Submitted by

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