





SURULIA MINI ZOO Annual Report of 2017-18

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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. <u>History of the Zoo</u>:

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 toserve 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 andengaging 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:

- i. To keep and breed wild animal species earlier found in South West Bengal region (Jungle Mahal) for their release / re-introduction in the rejuvenated forests of the region.
- ii. For conservation education & awareness about wild animals & birds among general public.
- iii. To display of animals and birds in a forest path for education and amusement of visitors.
- iv. To provide a safe abode to rescued wild animals, confiscated, injured orphaned and sick animals from human habitation or miscreants.
- v. To promote Research & Education to School, College & University students.
- vi. To maintain gene pool of the wild animals and birds.
- vii. To develop a healthy relationship between animals and human being.
- viii. To provide all possible humane method of maintenance of animals in captivity.
- ix. To provide veterinary and other care to the animals.
- x. To carry out research on the various aspects of ecology and behaviour of wild animals.



6. About us:

| Sl. No. | Particulars | Information |
|----------|--|---|
| Basic In | formation about the Zoo | |
| 1. | Name of the Zoo | Surulia Mini Zoo |
| 2. | Year of Establishment | 05.08.2005 |
| 3. | Address of the Zoo | VillSurulia, 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 (2017-18) | Adult:35,934 Nos. |
| | | Children:3,240 Nos. |
| | | Total Foreigners: Nil |
| | Telephone Number Fax Number E-mail address Website Distance from nearest Recognition Valid up to (Date) Category of Zoo Area (in Hectares) Number of Visitors (2017-18) Visitors' Facilities Available in Zoo Meekly Closure Day of the Zoo Anagement Personal of the Zoo Name with designation of the Officer in charge | Total Visitors: 39,174Nos. |
| 14. | Visitors' Facilities Available in Zoo | Drinking Water, Toilets, Seating arrangements, |
| | | Ramps, Lawns |
| 15. | Weekly Closure Day of the Zoo | Tuesday |
| Manage | ment Personal of the Zoo | |
| 16. | Name with designation of the Officer incharge | Amrita Dutta, IFS Divisional Forest Officer, Kangsabati North Division & Ex-Officio Director, Surulia Mini Zoo Zoo Supervisor: Nalini KantaMahato, Range Officer, Attached |
| | Name of the Veterinary Officer | Forest Range VO, SAHC, Purulia has been designated to render veterinary services to Surulia Mini Zoo by order of DirectorofAnimalHusbandary& Veterinary Services, West Bengal |

| 7 | Name of the Curator | NA |
|-------|--|--|
| | Name of the Biologist | NA |
| | Name of the Education Officer | NA |
| | Name of the Compounder / Lab Assistant | NA |
| Owner | r / 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, Vikas Bhawan, Salt Lake City, Kolkata – 700091 |
| | | Member-Secretary: Aranya Bhawan (7 th Floor), Block- LA-10A, Sector- III, Salt Lake City, |
| | | Kolkata – 700 106 |
| 19. | Contact details / Phone number of | +913323355010 |
| | Operator | |
| 20. | E-mail address of Operator | mswbza@gmail.com, wbzooauthority@yahoo.com |

7. Organizational Chart:

Zoo Director:
Amrita Dutta, IFS
Divisional Forest Officer, Kangsabati North Division,
Purulia
&
Ex-Officio Director, Surulia Mini Zoo, Purulia

Zoo Supervisor:
Nalini Kanta Mahato, F.R
Range Officer, Attached Forest Range
Kangsabati North Division, Purulia

8. Human Resources:

Manpower of the Zoo*

| Sl. | Designation | No. of Sanctioned | No. of Sanctioned | Names of the incumbent |
|-----|----------------------|-------------------|-------------------|------------------------------|
| | Designation | | | Names of the incumbent |
| No. | | Posts | posts filled | |
| 1. | Zoo Supervisor | 1 | 1 | Nalini KantaMahato, (DR/Fr.) |
| 2. | Zoo Keeper | 2 | 2 | Ganesh Rajwar |
| | | | | YudhisthirRajwar |
| 4. | Animal Attendant | 2 | 4 | Biswajit Rajak |
| | | | | Malinda Rajwar |
| | | | | Prakash Singh |
| | | | | NiruRajwar |
| 5. | Security Personnel | 4 | 4 | SwapanRajwar |
| | | | | TulshiRajwar |
| | | | | KishanBouri |
| | | | | Nepal Bouri |
| 12. | Ticket Collector & | 1 | 1 | Sekhar Choudhury |
| | Office Asst. | | | |
| 13. | Gate Keeper | 1 | 1 | RamapadaRajak |
| 14. | Sanitation Attendant | 1 | 1 | Smt. MalatiBauri |
| 13. | 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) | Training for Tranquilization | 29 th - 30 th May, 2017 | Zoological 16.05.17Garden, Alipore |
| 2. | Ganesh Rajwar (Zoo keeper) | To enhance the professional knowledge, and to sharpen skills. | 20 th -25 th March, 2018 | Nandan KananBiological Park, Bhubaneswar |

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. Shri Debasish Paramanik, RaigunjPanchayet Samiti, Uttardinajpur Member
- 12. Shri Sankar Dhar, People's for Animals, Alipurduar Member
- 13. Sk. Johar Ali, President, All Backward Class Relief & Development Mission Member
- 14. Smt. Debolina Biswas, Councilor, Kolkata Municipal Corporation, Ward No. 74 Member

c. Dates on which Meetings held during the year-

16.05.17(14th Governing Body Meeting)

8.03.18(16thTechnical Committee Meeting)

11. Health Advisory Committee:

a. Date of constitution-

- **b.** Members– 4 Nos.
- 1. Dr.BasudebMaity.
- 2. Dr.Pralay Mandal
- 3. Dr. Debasish Chaterjee
- 4. Dr. Jyoti Mitra

c. Dates on which Meetings held during the year-

13.07.17(Health Advisory Committee visit at Surulia Mini Zoo)

12. Statement of income and expenditure of the Zoo:

Year: 2017-18

Opening Balance -Rs.4,83,433.50

| Month | Revenue | Fund Received | Total Budget | Expenditure |
|---------|-------------|---------------|--------------|--------------|
| Apr-17 | 24355 | 0 | 4,83,433.50 | 50167.00 |
| May-17 | 22350 | 500000 | 9,83,433.50 | 48842.00 |
| June-17 | 24600 | 0 | 9,83,433.50 | 80084.00 |
| July-17 | 28584 | 0 | 9,83,433.50 | 545263.00 |
| Aug-17 | 30276 | 2578071 | 35,61,504.50 | 2243901.00 |
| Sep-17 | 44617 | 1504246 | 50,65,750.50 | 352937.00 |
| Oct-17 | 39809 | 0 | 50,65,750.50 | 1354654.00 |
| Nov-17 | 35472 | 1000000 | 60,65,750.50 | 336063.00 |
| Dec-17 | 72610 | 0 | 60,65,750.50 | 802397.00 |
| Jan-18 | 83899 | 500000 | 65,65,750.50 | 202472.00 |
| Feb-18 | 56896 | 900000 | 74,65,750.50 | 1268006.00 |
| Mar-18 | 27124 | 1573825 | 90,39,575.50 | 1358777.00 |
| Total | 4,90,592.00 | 85,56,142.00 | 90,39,575.00 | 86,43,563.50 |

13. <u>Daily feed Schedule of animals:</u>

| Sl | Species | Feed item | Q | uantity | Day of |
|----|--------------------|---|--------|------------|--------|
| | | | | fasting | |
| N | | | | | |
| 0. | | | | | |
| | | | Winter | Summer | |
| | Sloth Bear | Wheat Flour, Milk, Refine Oil, Dates, Egg | Dates | Watermelon | |
| | Common Languor | Gram, rice, Banana | - | - | - |
| | Rhesus Monkey | Gram, rice, Banana | - | - | - |
| | Peafowl | Wheat, Rice, banana | - | - | - |
| | Python Indian Rock | Hen, | - | - | - |
| | Owl | Meat(Chicken) | - | - | - |
| | Lesser Adjutant | Fish | - | - | - |
| | Stork | | | | |
| | Spotted Deer | MoongChuni, MusurChuni, ArharChuni, | - | - | - |
| | | Molusces, Gram Chuni, BarleyChuni, | | | |
| | | Crushed Maize,M-oil | | | |
| | | cake,CattleFeed,Wheat Brown, Black Salt, | | | |
| | | Green Vegetables | | | |
| | Porcupine | Gram, Rice, Banana | - | - | - |

14. De-worming Schedule of animals

| Sl. No. | Species | Drug used | Month |
|---------|---|-------------|-----------|
| 1. | All Mammals, Reptile and Birds in the zoo | Femendazole | June |
| | | Femendazole | September |
| | | Femendazole | December |
| | | Vermet Plus | March |

15. Health Check-up of employees for zoonotic diseases

| Sl.No. | Name | Designation | Date of Health Check up | Findings of Health Check up |
|--------|------|-------------|-------------------------|-----------------------------|
| | | | | |

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

The Treatment Room for the animals is under construction and will be functional



Treatment Room Visitors Path



Languor Enclosure



Bear Night Shelter

17. 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. Training cum Workshop on Conductory Elephant Census was also conducted to import knowledge of population dynamics and animal morphology to the staff. On 06.01.2017 a group of school children along with their teachers of Konapara High School had visited the zoo.

18. Important Events and happenings:

- **a.** On 5th June'17 World Environment Day was celebrated in the Zoo with the theme "Connecting people to Nature".
- **b.** On 3rd May'17 a training cum Workshop on Conducting Synchronised Elephant Census was organized.
- **c.** On 17th December' 17 Wildlife Film Festival was celebrated atSurulia Mini Zoo through screening ofwildlife films for children.





Celebration of World Environment Day, 2017

19. 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.

20. 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.

21. 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 Sloth Bear, Spotted Deer etc.

22. 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 ta | |
|------------|----------|---------------------------------|--|--|---|---|
| | | | | | Date and Place of rehabilitation in their habitat | Reasons for housing in the zoo, if not released in their habitat |
| 1. | 09.04.17 | Common Languor-1no. | Madhukunda Railway Station Raghunathpur Range | 09.04.17 | Released on 16.06.17 atGarhPanchakot Hill | |
| 2. | 17.04.17 | Monkey- 1No. | Neturia Beat OfficeRaghunat hpur Range | 17.04.17 | Released on 16.06.17 at GarhPanchakot Hill | |
| 3. | 03.05.17 | Live Indian Eagle Owl- 1no. | Raghunathpur Range | | | Expired on 22.08.17 |
| 4. | 25.06.17 | Wild Porcupine- 1No. | Hura Range | 25.06.17 | Not yet Released | |
| 5. | 07.07.17 | Common Languor-1No. | Raghunathpur Range | 07.07.17 | Released on 15.08.17 at GarhPanchakot Hill | |
| 6. | 12.07.17 | Python | Purulia Para Range | 12.07.17 | Released on 15.08.17 at GarhPanchakot Hill | |

| 7. | 11.07.17 | Pangolin – 1no | Natua, Purulia II | 11.07.17 | NA | Brought dead |
|-----|----------|---------------------|-----------------------|----------|---|--|
| 8. | 09.07.17 | Python-1No. | Purulia Para Range | 09.07.17 | Released on 15.08.17 at GarhPanchakot | |
| 9. | 09.08.17 | Python | Purulia Para range | 09.08.17 | Hill Released on 15.08.17 at GarhPanchakot | |
| 10. | 12.08.17 | Python | Hura Range | 12.08.17 | Hill Released on 12.08.17 at GarhPanchakot Hill | |
| 11. | 22.08.17 | Python | Purulia Para range | 22.08.17 | Released on 05.11.17 at GarhPanchakot Hill | |
| 12. | 07.09.17 | Barking deer | Jhalda Range | 07.09.17 | | Expired on 15.09.017 due to Heart failure |
| 13. | 16.09.17 | Pangolin -1 No. | Barabazar Range | 16.09.17 | Released on 08.09.17 at GarhPanchakot Hill | |
| 14. | 08.10.18 | Python-1No. | Purulia Para Range | 08.10.18 | Released on 05.11.17 at GarhPanchakot Hill | |
| 15. | 06.10.17 | Owl- 2 Nos. | Purulia Para range | 16.10.17 | Released on 7.10.17atSurulia Forest | |
| 16. | 09.11.17 | Python-1 No. | Purulia Para range | 09.11.17 | Released on 05.02.18 at Ajodhya Hill | |
| 17. | 03.12.17 | Python- 1No. | Purulia Para Range | 03.02.17 | Released on 05.02.18 at Ajodhya Hill | |
| 18. | 21.02.18 | Owl(Injured) | Purulia Para Range | 21.02.18 | | Expired on 03.03.18 |
| 19. | 19.02.18 | Dead Hyna - 1No. | Purulia Para Range | 19.02.18 | | Brought dead |
| 20. | 03.03.18 | Common Languor | Purulia Para range | 03.03.18 | | Expired on 03.03.18 |
| 21. | 03.03.18 | Python | Purulia Para Range | 03.03.18 | Released on 26.03.18 at GarhPanchakot Hill | |
| 22. | 08.03.18 | Monkey(Mino r) | Raghunathpur Range | 08.03.18 | | Expired on 10.03.18 |
| 23. | 11.03.18 | Owl(injured) | Ajodhya Range | 11.03.18 | | Expired on 12.03.12 |





Treatment and Care of rescued animals



Release of rescued Pangolin

23. Annual Inventory of animals:

Form-ii

[See Rule 11 (1)]

<u>Inventory Report for the Year</u>:

Endangered Species*

| S.No. | Animal | Scientific | | Ope | ening | 5 | В | irth | ıs | Acq | luisi | tion | Di | spos | sal | D | Deat | h | | Clos | sing | |
|--------|------------|------------------|------|------|--------|----|---|------|----|-----|-------|------|----|------|-----|---|------|---|----|------|------|---|
| | Name | name | S | tock | c as c | on | | | | | | | | | | | | | St | ock | as o | n |
| Enda | | | M | F | U | T | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T |
| ngere | | | | | | | | | | | | | | | | | | | | | | |
| d | | | | | | | | | | | | | | | | | | | | | | |
| Speci | | | | | | | | | | | | | | | | | | | | | | |
| es | | | | | | | | | | | | | | | | | | | | | | |
| Sche | | | | | | | | | | | | | | | | | | | | | | |
| dule I | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Peafow | PavoCristat | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 1 | <u>us</u> | | | | | | | | | | | | | | | | | | | | |
| 2. | Bear | Melursus | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | Sloth | <u>Ursinus</u> | | | | | | | | | | | | | | | | | | | | |
| 3. | Languo | Semnopith | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 4 |
| | r | ecus | | | | | | | | | | | | | | | | | | | | |
| | Commo | <u>Entellus</u> | | | | | | | | | | | | | | | | | | | | |
| | n | | | | | | | | | | | | | | | | | | | | | |
| 4. | Macaqu | Macaca | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | e | <u>Mulatta</u> | | | | | | | | | | | | | | | | | | | | |
| | Rhesus | | | | | | | | | | | | | | | | | | | | | |
| 5. | Python | <u>Python</u> | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | Indian- | Molurus | | | | | | | | | | | | | | | | | | | | |
| | Rock | | | | | | | | | | | | | | | | | | | | | |
| | | Total of | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | | 1 | 1 |
| | | Endangere | | | | 3 | | | | | | | | | | | | | | | | 2 |
| | | d Species | | | | | | | | | | | | | | | | | | | | |
| Endan | gered Spec | cies Schedule | (III | & I | V) | | | | | | | | | | | | _ | | | | | |
| 6. | Owl | Tyto Alba | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | Barn | | | | | | | | | | | | | | | | | | | | | |
| 7. | Stork | Leptoptilos | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | Adjutan | <u>Javanicus</u> | | | | | | | | | | | | | | | | | | | | |
| | t(lesser) | | | | | | | | | | | | | | | | | | | | | |
| 8. | Deer | Axis Axis | 1 | 1 | 1 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 13 | 2 | 4 |
| | Spotted | | 5 | 6 | 7 | 8 | | | | | | | | | | | | | 5 | | 0 | 8 |
| | (Chital) | | | | | | | | | | | | | | | | | | | | | |

| 9. | Porcupi | <u>Hystrix</u> | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
|----|---------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|
| | ne(Albi | Indica | | | | | | | | | | | | | | | | | | | | |
| | no) | | | | | | | | | | | | | | | | | | | | | |
| | | Total of | 2 | 2 | 2 | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 16 | 2 | 6 |
| | | Species | 2 | 1 | 3 | 6 | | | | | | | | | | | | | 3 | | 6 | 5 |

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



Porcupines and Python within their enclosure

24. Mortality of animals :

| Sl. | Animal Name (with | Scientific Name | Sex | Date of | Reason of Death as per the |
|-----|-------------------------|----------------------|-----|-----------|---------------------------------|
| No. | individual | | | Death | Post-mortem report |
| | identification mark, if | | | | |
| | any) | | | | |
| 2. | Common Languor | Semnopithecus | M | 27.10.17 | Debility & Bronchopneumonia |
| | | <u>Entellus</u> | | | |
| 3. | Spotted Deer | <u>AxisAxis</u> | M | 22.12.17 | Haemorrhage shock due to deep |
| | | | | | penetrating wound |
| 4. | Spotted Deer | Axis Axis | F | 13.02.18 | Right side heart failure due to |
| | | | | | aging |
| 5. | Spotted Deer | Axis Axis | F | 9.03.18 | Heart Failure |
| 6. | Common Languor | Semnopithecus | F | 4.04.18 | Pneumonia & gastritis due to |
| | | <u>Entellus</u> | | | selenity |
| 7. | Peahen | <u>PavoCristatus</u> | F | 21.04.108 | Cardiac failure due to extreme |
| | | | | | hot weather and old age |

$\textbf{25. } \underline{\textbf{Compliance with conditions stipulated by the Central Zoo Authority:} \\$

| S | Nor | Condition | Time Period | Since when | Remarks | <u> </u> |
|--------|------------|----------------------------------|-------------|-------------|---|------------------------|
| S | m | Stipulated | to Comply | pending | Status with regard to | Status with |
| l. | No. Und | | | | compliance of the | regard to |
| N o | er | | | | conditions as submitted by the | compliance as noted |
| | RZR | | | | Officer-in-charge of | physically by |
| | , | | | | the Zoo | the evaluator |
| | 2009 | | | | | during the |
| | | | | | | visit |
| 1. G | eneral l | Requirements | | | <u> </u> | |
| 1 | 1.1 | The Zoo has been | One year | 15.06.2016 | Not complied so far. A | |
| | | breeding among the | | | request was made by | |
| | | existing population | | | West Bengal Zoo | |
| | | of spotted deer | | | Authority to CWLW to allow translocation | |
| | | since 1998. There | | | of deer in Surulia Mini | |
| | | has not been any | | | Zoo to its natural | |
| | | effort to infuse new | | | habitat (vide letter No. | |
| | | bloodline. This | | | 201/WBZA/C-23/17- | |
| | | should be done as | | | 18, dated 27.06.2017). | |
| | | soon as possible | | | Permission awaited. | |
| | | including bringing | | | | |
| | | down the population | | | | |
| | | of animals | | | | |
| | | according to the | | | | |
| | | holding capacity of | | | | |
| | | their enclosure. | | | | |
| 2 | 1.3 | The Zoo should be | Immediately | 31.12.2012/ | The zoo is closed on | |
| | (a) | closed atleast once | | 01.01.2013 | every Tuesday of the | |
| | | in a week. | | | week | |
| 3 | 1.5 | The zoo perimeter | Two year | 15.06.2016 | The zoo area is | |
| | | wall of the CZA | | | covered by a perimeter | |
| | | prescribed height | | | chain link fence of | |
| | | should be | | | more than 2 meter | |
| | | constructed for securing the | | | height since 2014. Further, the Zoo lies | |
| | | campus. | | | within forest area far | |
| | | campus. | | | from villages. | |
| 4 | 1.7 | a) Soil should be | With | 15.06.2016 | a) The soil has been | |
| | | turned inside the | immediate | | added in 2 newly | |
| | | animal enclosures | effect | | constructed enclosures | |
| | | on regular basis | | | of Languor and Rhesus | |
| | | and enclosures | | | Macaque and the top | |
| | | disinfected to reduce soil borne | | | soil of the deer enclosure will be | |
| | | parasites and | | | turned soon. | |
| | | diseases. | | | tariou boon. | |
| | | | | | b) All uneaten grains | |
| | | | | | etc. are being removed | |
| | | b) All uneaten | | | manually and | |
| | | grains etc. should | | | composted in | |
| | | be removed from | | | SuruliaCentral | |
| | | the animal | | | Nursery, just outside | |

| | | analogumas on daile | | | the goo | |
|---|-----|---------------------------------|-------------|-------------|---------------------------|---|
| | | enclosures on daily | | | the zoo. | |
| | | basis and disposed | | | | |
| | | of in hygienic | | | | |
| | | manner in specially | | | | |
| | | dug covered pits | | | | |
| | | outside the zoo | | | | |
| | | campus. | | | | |
| 5 | 1.7 | The Zoo should | Within six | 31.12.2012/ | The solid waste is | |
| | (b) | have permanent | months | 01.01.2013 | being removed | |
| | | arrangement for | | | manually to outside | |
| | | managing solid | | | the zoocampus. | |
| | | wastes by making | | | Sanitary tank and soak | |
| | | one sanitary tank | | | pit have to be | |
| | | with soak pit | | | constructed. | |
| 6 | 1.8 | The Zoo shall | Immediately | 20.01.2011 | The rescue centre as | |
| | | refrain from | • | | approved in Master | |
| | | display of sick, | | | Layout Plan shall be | |
| | | injured, infirm | | | constructed in near | |
| | | animals to the | | | future for such | |
| | | visitors as such | | | animals. | |
| | | animals be housed | | | williams. | |
| | | in off-display | | | | |
| | | facilities earmarked | | | | |
| | | for and providing | | | | |
| | | 1 | | | | |
| | | appropriate upkeep | | | | |
| | | and healthcare for | | | | |
| 7 | 1.9 | such animals | With | 15.06.2016 | a Thasa animala hava | |
| / | 1.9 | a. The zoo is | | 15.06.2016 | a. These animals have | |
| | | displaying rabbits | immediate | | been removed from the | |
| | | and white mice. | effect | | Z00. | |
| | | They should be removed from the | | | 1. A 11 (1 1 1 | |
| | | | | | b. All the dogs have | |
| | | zoo campus. | | | been removed | |
| | | b. The zoo has | | | immediately after the | |
| | | become a breeding | | | previous evaluation. | |
| | | ground for stray | | | | |
| | | dogs due to the staff | | | c. All the domestic | |
| | | quarters. | | | animals has been | |
| | | c. The zoo till date | | | removed and no new | |
| | | is serving the | | | domestic animal been | |
| | | purpose of a Rescue | | | taken for treatment. | |
| | | Centre for both | | | | |
| | | domestic and wild | | | | |
| | | animals. The zoo | | | | |
| | | should not keep any | | | | |
| | | domestic animals. | | | | |
| | | trative and staffing pa | | | | |
| 8 | 2.1 | A full time regular | With | 15.06.2016 | The Range Officer of | |
| | | Range Forest officer | immediate | | the Attached Forest | |
| | | of appropriate rank | effect | | Range, Kangsabati | |
| | | as "whole time in- | | | North Division, | |
| | | charge" of the Zoo | | | Purulia has been | |
| | | with powers to take | | | deputed as the Officer | |
| | | decision and ensure | | | in-charge of the zoo | |
| | | that adequate | | | with powers to take the | |
| | | financial resources | | | zoo-related decisions. | |
| | | and infrastructural | | | Accordingly adequate | |
| | | support is made | | | financial resources and | |
| | | available to such | | | infrastructural support | |
| | | officer for proper | | | is being provided for | |
| | | housing, upkeep and | | | betterment of the zoo | |
| | | | l . | ı | 5 Steel Hielit of the 200 | L |

| | | legalth some of the | | | and its immetes | |
|----------|---------|------------------------------------|----------------|-------------|---|--|
| | | health care of the zoo animals and | | | and its inmates. | |
| | | managing the zoo in | | | | |
| | | a planned manner. | | | | |
| 9 | 2.3 | The Zoo should | Within three | 31.12.2012/ | Engaging one zoo | |
| | (a) | involve one local | months | 01.01.2013 | biologist will be highly | |
| | (4) | knowledgeable | 111011011 | 01.01.2016 | beneficial for the well- | |
| | | person on biology | | | being of zoo inmates. | |
| | | for visitors' | | | 8 | |
| | | education with | | | | |
| | | management of the | | | | |
| | | Zoo. | | | | |
| 3. De | evelopi | ment & Planning | | | | |
| 10 | 3.1 | All Annual plan of | With | 15.06.2016 | Recently the zoo has | |
| | | operation (APO) of | immediate | | constructed two new | |
| | | the zoo should be as | effect | | enclosures for primates | |
| | | per the master plan | | | as per CZA guidelines | |
| | | approved by the | | | and layout plan. Other | |
| | | Central Zoo | | | enclosures in the | |
| | | Authority. All | | | process of construction | |
| | | construction should | | | also adhere to the CZA | |
| | | be carried out in the | | | guidelines and | |
| | | zoo as per the CZA | | | approved layout plan. | |
| | | approved layout plan of the zoo. | | | | |
| 11 | 3.4 | The zoo has rescued | One year | 15.06.2016 | The python will be | |
| 11 | 3.1 | python and does not | one year | 13.00.2010 | kept in the rescue | |
| | | have an enclosure | | | centre as reptile house | |
| | | for its display. | | | is not there in | |
| | | Appropriately | | | approved master | |
| | | designed reptile | | | layout plan. | |
| | | house / python | | | | |
| | | enclosure should be | | | | |
| | | constructed at the | | | | |
| | | area as earmarked in | | | | |
| | | the proposed zoo | | | | |
| 10 | 2.6 | master plan. | ***** | 15.06.2016 | 7701 · 1 11 .· | |
| 12 | 3.6 | The future collection plan of | With immediate | 15.06.2016 | The animal collection | |
| | | collection plan of animals to be | effect | | plan has been prepared along with master plan | |
| | | displayed in the zoo | CITCCI | | and submitted to the | |
| | | should be prepared | | | CZA for approval vide | |
| | | and got approved | | | this Office Letter No. | |
| | | from CZA. Carrying | | | 1626/26-3, dated | |
| | | capacity of animal | | | 18.04.2018(Copy | |
| | | enclosures should | | | enclosed) | |
| | | be fixed. | | | | |
| 13 | 3.7 | The zoo should | With | 31.12.2012/ | Quarantine and | |
| | | have adequate | immediate | 01.01.2013 | isolation zone is | |
| | | quarantine and | effect | and | earmarked within the | |
| | | isolation area for | | 15.06.2016 | zoo. They shall be | |
| | | keeping the rescued animals. | | | developed in near | |
| | | a111111a18. | | | future according to the CZA approved layout | |
| | | | | | plan. | |
| 14 | 3.7 | The zoo should not | With | 20.01.2011 | Since 2015 only | |
| - ' | 5., | accept any rescued | immediate | | spotted deer, | |
| | | animal/bird unless it | effect | | porcupine, | |
| | | has appropriately | | | pangolin,python, | |
| | | designed enclosure | | | Languor, Rhesus | |
| | | and upkeep | | | monkey, barking deer, | |
| <u> </u> | | Брисор | | | , ,, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |

| | | facilities for the | | | owl, nilgai species | |
|-------|---------|-------------------------|----------------|--------------|--------------------------|----------|
| | | animal as well as | | | have been rescued. | |
| | | the facilities for | | | New rescue centre and | |
| | | | | | | |
| | | keeping it in | | | quarantine facilities | |
| | | isolation during | | | will be developed in | |
| | | quarantine period. | | | near future according | |
| | | | | | to the CZA approved | |
| | | | | | layout plan. | |
| 4. Aı | nimal l | housing, display of ani | mals and anima | l enclosures | | |
| 15 | 4.3 | Enclosure for | Within one | 31.12.2012/ | Enclosure for common | |
| | (b) | common Languor be | year | 01.01.2013 | Languor has been | |
| | & | made safe and secure | | | prepared following the | |
| | 4.5 | for animals, animal | | | CZA guidelines. | |
| | | keeper and visitors | | | | |
| | | and as per requisite | | | | |
| | | | | | | |
| | | 1 | | | | |
| | | movement, exercise | | | | |
| | | and expression of | | | | |
| | | their natural | | | | |
| | | behaviours approved | | | | |
| | | by the CZA. | | | | |
| 16 | 4.4 | The Zoo should not | With | 20.01.2011 | Complied. The zoo is | |
| | | acquire and display | immediate | | not acquiring the | |
| | | animals in the | effect | | animals for display for | |
| | | enclosures unless | | | which enclosures are | |
| | | they are not made in | | | not there. | |
| | | accordance with the | | | | |
| | | standards specified | | | | |
| | | by the Central Zoo | | | | |
| | | authority | | | | |
| 17 | 4.5 | Grey Languor, | Two years | 15.06.2016 | Enclosure for common | |
| | | Rhesus macaque, | , | | Languor has been | |
| | | Porcupine, Horned | | | prepared following the | |
| | | owl and Peafowl are | | | CZA guidelines. For | |
| | | kept in sub-standard | | | other animals the | |
| | | enclosures. The zoo | | | enclosures will be | |
| | | should construct | | | constructed in near | |
| | | enclosures as per the | | | future after approval of | |
| | | CZA approved | | | the CZA. | |
| | | 1 1 | | | the CZA. | |
| | | prototypes and | | | | |
| 10 | 16 | master plan. | Two wases | 15.06.2016 | The plantation of famile | |
| 18 | 4.6 | There exists | Two years | 13.00.2016 | The plantation of fruit | |
| | | opportunity to create | | | and fodder species | |
| | | near naturalistic | | | have already been | |
| | | habitat for both | | | done during July 2018. | |
| | | Chital. Eucalyptus | | | Jamun, amla, neem, | |
| | | monotony may be | | | etc have been planted | |
| | | broken by thinning | | | in deer enclosure and | |
| | | and creating | | | outside. | |
| | | grassland and | | | | |
| | | planting more fruit | | | | |
| | | bearing & fodder | | | | |
| | | tree species like Ber | | | | |
| | | (Ziziphusmauritiana) | | | | |
| | | Gular, | | | | |
| | | (Ficusracemosa),Bar | | | | |
| | | gad(Ficusbengalensi | | | | |
| | | s), Jamun | | | | |
| | | (Syzygiumcumini), | | | | |
| | | Peltophorum etc. | | | | |
| 19 | 4.8 | The existing water | With | 20.01.2011 | Complied. The water | |
| | | <u> </u> | l . | İ | <u> </u> | <u>l</u> |

| | | 1 1 | 11. | 1 | 1 1 1 1 | |
|-------|------------|--|-------------|-------------|--|--|
| | | body inside the | immediate | and | body has been | |
| | | fenced Deer Park | effect | 31.12.2012/ | incorporated in master | |
| | | may be improved for | | 01.01.2013 | layout plan as water | |
| | | free ranging birds or | | | bird pond and | |
| | | may be incorporated | | | approved by the CZA. | |
| | | as part of animal | | | | |
| | | enclosure with prior | | | | |
| | | approval from | | | | |
| | | Central Zoo | | | | |
| 20 | 4.0 | Authority | 0 | 15.06.2016 | C1:-1 T1 | |
| 20 | 4.9 | Standoff barriers | One year | 15.06.2016 | Complied. The | |
| | | should be provided | | | standoff barriers have | |
| | | all along the new | | | been provided newly | |
| | | proposed enclosures | | | constructed enclosure of primates with | |
| | | & visitor pathway to prevent teasing and | | | 1 | |
| | | feeding of animals. | | | appropriate signages warning. | |
| | | Appropriate signage | | | warming. | |
| | | warning the visitors | | | | |
| | | of consequences of | | | | |
| | | violation may also be | | | | |
| | | provided at various | | | | |
| | | places. | | | | |
| 21 | 4.1 | Chital enclosure | Six months | 15.06.2016 | The work is under | |
| | 0 | does not have | | | process. These will be | |
| | | signage having | | | displayed immediately. | |
| | | relevant information | | | | |
| | | on the biology of the | | | | |
| | | animals and | | | | |
| | | population status of | | | | |
| | | the species. This | | | | |
| | | should be done and | | | | |
| | | continued for all | | | | |
| | | other zoo animals | | | | |
| | | proposed to be | | | | |
| | | displayed in the zoo. | | | | |
| 22 | 4.1 | Appropriate signage | Immediately | 20.01.2011 | The work is under | |
| | 0 | be provided with | | and | process. These will be | |
| | | relevant information | | 31.12.2012/ | displayed immediately. | |
| | | on biology, | | 01.01.2013 | | |
| | | behaviour and | | | | |
| | | population status of | | | | |
| | | the species in the wild at every display | | | | |
| | | enclosures. | | | | |
| 5 II. | rkeen | and health care of anin | าลไร | <u> </u> | | |
| 23 | 5 . | a) Suitably designed | | 15.06.2016 | a) As per suggestion, | |
| 23 | 2 | platforms should be | With | 13.00.2010 | suitably designed | |
| | _ | provided in the feeding | | | platforms will be | |
| | | store for stocking dry | | | provided in the feeding | |
| | | ration. Stainless Steel | | | store for stocking dry | |
| | | drums could be used | | | ration. Metal drums | |
| | | for storage of choker, | | | are being used for | |
| | | gram etc. Exhaust fans | | | storage of choker, | |
| | | should be installed to | | | gram etc. | |
| | | reduce moisture inside | | | To reduce moisture | |
| | | the feed store. | | | inside the feed store, | |
| | | b) Food store should | | | exhaust fans will be | |
| | | not be used as | | | installed. This will be | |
| | | residential | | | complied within | |
| | | accommodation. | | | March 2019. | |
| | | | | | | |

| | | | | | b) Food store is not being used as residential accommodation. | |
|----|--------------|--|-----------------------|---------------------------------|---|--|
| 24 | 5. 4 | Kraals of dimensions prescribed by the CZA shall be created in both Chital enclosures | One year | 15.06.2016 | | |
| 25 | 5. 5 | Leftover food shall be removed from the enclosures on daily basis. Dung should also be removed from the enclosures periodically and in consultation with veterinary doctor. | With immediate effect | 15.06.2016 | Leftover food from enclosures is being removed from the enclosures daily and composted outside the Zoo. Dung is also removed from the enclosures periodically. | |
| 26 | 5. 8 | Herd animals should be screened periodically through random sampling for parasitic loads and prophylactic measures taken under guidance of the visiting veterinary doctor. A written schedule should be prepared and implemented. | With immediate effect | 15.06.2016 | Screening of herd animals is being done through random sampling on quarterly basis based on written schedule prepared and implemented by the visiting veterinary doctor. | |
| 27 | 5. 9 | a) The sloth bear keeper passage is being used as washroom by the care takers. This should be stopped. b) All zoo staff involved in upkeep & healthcare of animals should be subjected to annual health checkup {stool & urine examination, sputum examination, blood examination and X-ray (PA view)} to avoid spread of Zoonotic diseases. | With immediate effect | 15.06.2016 | a) Sloth bear keeper passage is no longer being used as washroom. New sloth bear night shelter is under construction as per the CZA approved layout plan. Construction will be completed by July, 2018. b) To avoid zoonotic diseases among zoo staff, medical exam will be conducted immediately. | |
| 28 | 5. 1 0 | Daily reporting by the animal keepers should be introduced through Keepers Diaries and Daily Reports as per the CZA prescribed format. | With immediate effect | 20.01.2011 and 15.06.2016 | The record is being maintained as per CZA prescribed format. | |
| | eterin | ary & Infrastructure fac | cilities | T | T | |
| 29 | 6. 1 | The existing treatment room is not fit to qualify for treating sick and injured animals. A treatment room should be of | One year | 20.01.2011 and 15.06.2016 | Treatment Room is under construction as per CZA approved layout plan. It will be completed within September | |

| | | such dimensions that | | | 2018.Dispensary for | |
|-----------------|-------------------------|--|--|-------------------|--|--|
| | | it can cater to | | | life-saving drugs and | |
| | | attending small | | | other equipment | |
| | | mammals like | | | storage will be | |
| | | pangolin to large | | | provided in the new | |
| | | animals like sambar | | | Treatment Room. | |
| | | | | | Heatment Room. | |
| | | by the doctor. A kraal | | | | |
| | | for recuperating of | | | | |
| | | animals, a dispensary | | | | |
| | | for storing lifesaving | | | | |
| | | drugs and other | | | | |
| | | veterinary | | | | |
| | | equipment's should | | | | |
| | | also be provided with | | | | |
| | | the treatment room. | | | | |
| 30 | 6. | The existing treatment | Immediately | 31.12.2012/ | All necessary features | |
| | 1 | room be improved | | 01.01.2013 | will be present in the | |
| | (a | with suitable steel | | | new Treatment Room | |
| |) | treatment table and | | | within September | |
| | | with necessary day to | | | 2018. | |
| | | day required drugs. | | | | |
| | | Both treatment and | | | | |
| | | post-mortem room be | | | | |
| | | white washed with | | | | |
| | | lime and cleaned with | | | | |
| | | disinfectant regularly. | | | | |
| | | Fix a appropriate sign | | | | |
| | | board outside the | | | | |
| | | treatment and post- | | | | |
| | | mortem rooms at the | | | | |
| | | Zoo. | | | | |
| | | | | | | |
| 31 | 6. | The zoo should enter | With | 15.06.2016 | Order of District | |
| 31 | 6. 6 | The zoo should enter into a written | With immediate | 15.06.2016 | Order of District VeterinaryHospital, | |
| 31 | | | | 15.06.2016 | | |
| 31 | | into a written agreement with the District Veterinary | immediate | 15.06.2016 | VeterinaryHospital, | |
| 31 | | into a written agreement with the | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| 31 | | into a written agreement with the District Veterinary | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| 31 | | into a written agreement with the District Veterinary Hospital, Purulia for | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| 31 | | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| 31 | | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| 31 | | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| 31 | | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel | immediate | 15.06.2016 | VeterinaryHospital, Purulia exists in this | |
| | 6 | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management | immediate effect | | VeterinaryHospital, Purulia exists in this | |
| 7. Pd | 6 ostmo | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population | immediate effect | als | VeterinaryHospital, Purulia exists in this regard. | |
| | 6 ostmo 7. | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of car Every animal that dies | immediate effect casses of anim With | | VeterinaryHospital, Purulia exists in this regard. Already in practice. | |
| 7. Pd | 6 ostmo 7. 1 | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be | casses of anim With immediate | als | VeterinaryHospital, Purulia exists in this regard. Already in practice. Findings are recorded | |
| 7. Pd | 6 5 7. 1 & | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of car Every animal that dies | immediate effect casses of anim With | als | VeterinaryHospital, Purulia exists in this regard. Already in practice. Findings are recorded in the CZA prescribed | |
| 7. Pd | 6 ostmo 7. 1 | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a | casses of anim With immediate | als | VeterinaryHospital, Purulia exists in this regard. Already in practice. Findings are recorded in the CZA prescribed format and are | |
| 7. Pd | 6 5 7. 1 & | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered | casses of anim With immediate | als | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo | |
| 7. Pd | 6 5 7. 1 & | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The | casses of anim With immediate | als | VeterinaryHospital, Purulia exists in this regard. Already in practice. Findings are recorded in the CZA prescribed format and are | |
| 7. Pd | 6 5 7. 1 & | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be | casses of anim With immediate | als | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo | |
| 7. Pd | 6 5 7. 1 & | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be recorded in the CZA | casses of anim With immediate | als | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo premises and open for | |
| 7. Pd | 6 5 7. 1 & | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be recorded in the CZA prescribed format and | casses of anim With immediate | als | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo premises and open for | |
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| 7. Po 32 | 6 7. 1 & 2 | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be recorded in the CZA prescribed format and maintained at the zoo premises and open for inspection. | casses of anim With immediate effect | als 15.06.2016 | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo premises and open for inspection. | |
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| 7. Po 32 | 5 7. 1 & 2 | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be recorded in the CZA prescribed format and maintained at the zoo premises and open for inspection. A wood fired incinerator may be | casses of anim With immediate effect With immediate | als 15.06.2016 | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo premises and open for inspection. Provision has been kept for a wood fired | |
| 7. Pc 32 | 5 7. 1 & 2 | into a written agreement with the District Veterinary Hospital, Purulia for 1. Round the year veterinary support 2. Training of zoo personnel 3. Animal population management rtem and disposal of care Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be recorded in the CZA prescribed format and maintained at the zoo premises and open for inspection. A wood fired incinerator may be installed for safe | casses of anim With immediate effect With immediate | als 15.06.2016 | Already in practice. Findings are recorded in the CZA prescribed format and are maintained at the zoo premises and open for inspection. Provision has been kept for a wood fired incinerator for safe | |

| | | bio wastes including | | | wastes including shed | |
|-------|--------|--|-------------|------------|---|----------|
| | | shed antlers etc. | | | antlers etc. by March, | |
| | | | | | 2019 | |
| 9. A | equisi | tion and breeding of ani | mals | | | |
| 34 | 9. | Though not visible, | One year | 15.06.2016 | Efforts will be made to | |
| | 1 | inbreeding has taken | | | reduce mortality | |
| | & | place in the population | | | through selective | |
| | 2 | over the years. | | | snapping of female | |
| | | Mortality of young | | | animals from nearby | |
| | | born are also | | | zoo. Permission for | |
| | | happening very | | | translocation of deer | |
| | | frequently. Efforts | | | has been sought and | |
| | | should be made for | | | will be done shortly. | |
| | | selective swap of | | | | |
| | | female animals | | | | |
| | | amongst deer population of other | | | | |
| | | nearby zoos like | | | | |
| | | Bokaro and Ranchi. | | | | |
| 35 | 9. | The zoo should initiate | Two year | 15.06.2016 | The proposal has been | |
| 33 | 7. | programs for | 1 110 y cai | 15.00.2010 | approved by the | |
| | , | restocking of Protected | | | Governing Body of | |
| | | Areas of the state with | | | WBZA during April, | |
| | | their surplus deer | | | 2018. Translocation | |
| | | population by entering | | | will be done | |
| | | into an agreement with | | | immediately after | |
| | | them and provide | | | receiving order from | |
| | | founder animals for | | | CWLW. | |
| | | breeding in soft release | | | | |
| | | areas created | | | | |
| | | specifically in the buffer zones of PA's. | | | | |
| | | This will help in | | | | |
| | | augmenting the ever | | | | |
| | | decreasing prey base | | | | |
| | | for carnivores in PA's | | | | |
| | | of South West Bengal. | | | | |
| 36 | 9. | The zoo has total | With | 15.06.2016 | Excess deer, after | |
| | 9 | population of 40+ | immediate | | maintaining a | |
| | | Chital and there is a | effect | | population of 20-30 in | |
| | | visible space | | | the zoo, will be | |
| | | constraint. The | | | translocated to other | |
| | | population control measures should be | | | zoos or natural forests | |
| | | implemented | | | as soon as approval of the CWLW is | |
| | | immediately. | | | received. | |
| 10. F | Resea | rch activities | | <u> </u> | 1 | 1 |
| 37 | 1 | The zoo authorities | With | 15.06.2016 | One of the objectives | |
| | 0 | should enter into an | immediate | | of the Surulia Mini | |
| | | agreement with local | effect | | Zoo is "to promote | |
| | | colleges for allowing | | | Research & Education | |
| | | graduate/postgraduate | | | to School, Colleges | |
| | | students to carry out | | | and Universities | |
| | | their dissertation on | | | students", which has | |
| | | various aspects of | | | already been proposed in the Master Plan. | |
| | | animal biology. The | | | In the Master Plan. Local Universities & | |
| | | findings can help the zoo in better and | | | Colleges will be | |
| | | scientific management | | | approached to take up | |
| | | of captive animals. | | | topics of studies | |
| | | The same of the sa | | | regarding various | |
| | | l | 1 | <u>I</u> | 15 | <u> </u> |

| | | | | | aspects of animal biology and other zoo related topics. | |
|-------|-------------------------|--|---------------------------------|---------------------------|---|--|
| 11. F | Educa | tion and outreach activit | ies | | | |
| 38 38 | 1 1. 1 | a) The nature interpretation center(NIC) created within the zoo premises is a very well thought concept. However, due to small space, it is not capable to cater to the load of large group of visitors at a time. A plan of action should be in place for managing visitors to the Centre to avoid stampede and vandalism. The NIC should also be made disable friendly. b) The zoo could place interactive signage for children at strategic locations like at NIC, and near the visitor areas for engaging experience and learning. c) Signage on role of ecosystem service providers and their contribution to the humankind in form of food, medicine should be provided. | With immediate effect One year | 15.06.2016 | a) Well laid out visitor paths as per CZA layout plan will help in streamlining heavy visitor rush. Also during days of heavy footfall, additional securities are requisitioned from local police. Ramp will be provided for disabled persons in the NIC. b) NIC upgradation role is ongoing. Interactive signage will be put up in strategic locations within March, 2019. c)Signage to focus the role of ecosystem service providers and their contribution to the humankind in form of food medicine would be provided, as suggested by March, 2019. | |
| 39 | 1 1. 1 (a) | Water pipe line be laid immediately and connect with drinking water point already constructed. | Immediately | 31.12.2012/ 01.01.2013 | Already connected | |
| 40 | 1 1. 1 (b | Though temporary arrangement is done at staff's toilet, permanent arrangement be done as soon as possible as a part visitors' facility at the Zoo | Within three months | 31.12.2012/ 01.01.2013 | Permanent visitor's toilet is already present in the zoo. | |
| | /isitor | rs facilities | | | | |
| 41 | 1 2. 1 | The Zoo should provide toilets and drinking water points for the use of visitors at an appropriate place. | Three months | 20.01.2011 | Toilet and drinking water point for visitors have already been constructed. | |
| 42 | | Special provision like ramps, properly laid pathways etc. should | Six months | 20.01.2011 | Visitor pathway has been laid out according to the CZA approved | |

| be provided at animal | layout plan. The path is |
|-----------------------|--------------------------|
| enclosures for | suitable for usage by |
| facilitating use by | persons on wheel |
| persons on wheel | chairs. |
| chairs. | |

26. <u>List of free living wild animals within the zoo premises:</u>

- **a.** Mammals-Rat, Indian Palm Squirrel
- **b.** Birds–Jungle Babblers, Indian Myna
- **c. Reptiles** Thutur(<u>BungarusFasciatus</u>), Common Krait (Bungarus caeruleus), Garden Chameleons(<u>Chameleo Chameleon</u>)

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