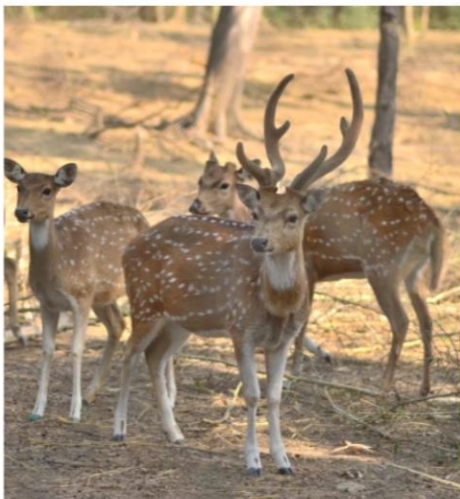




Annual Report :2021-22
Surulia Mini Zoo

SURULIA MINI
ZOO
Call of the wild...

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ZOO
Call of the wild...



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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 Fishing cat, Service road, Main entry gate, Rescue centre, Post mortem room, Sloth Bears and Deer as well as NIC Building. 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.

New enclosures with night shelters and Kraal for Common Leopard, Striped Hyena and Indian Crested Porcupine have been built. Bilingual signages with distribution, habit and habitat, and conservation information of the animals have been installed. New residents like Silver pheasant, Golden pheasant, Lady amherst, Fishing cat have been acquired.

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 and re-introduction in the 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, with the increase in the variety of species being housed, 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 National Zoo Policy, 1998:

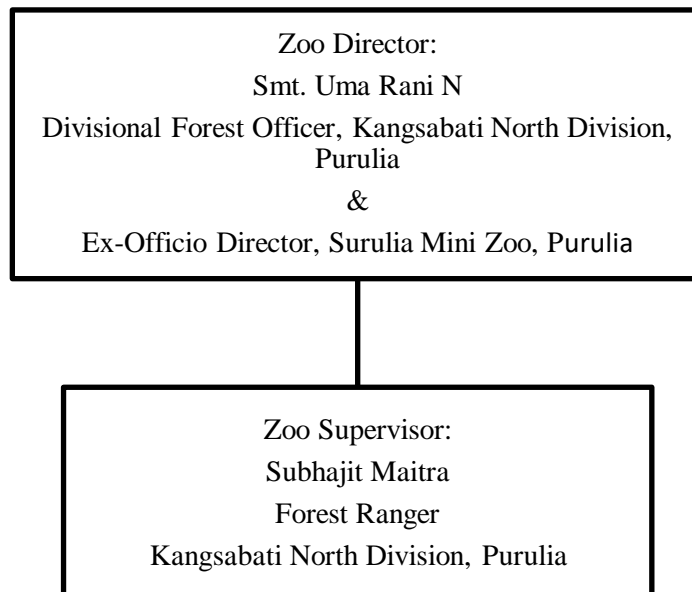
- To exhibit and display of wild animals in their naturalistic conditions
- To disseminate conservation education and spread awareness about wild animals and birds among general public especially youngsters
- To keep and breed wild animal, species earlier found in South West Bengal region (Jungle Mahal) 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 instill 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	www.suruliaminizoo.com
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)	28.09.2019
11.	Category of Zoo	Mini Zoo
12.	Area (in Hectares)	6.5992 ha
13.	Number of Visitors (2021-2022)	Adult:36014 Nos. Children: 6318 Nos. Total Foreigners: Nil Total Visitors: 42332 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	Smt. Uma Rani N IFS Divisional Forest Officer, Kangsabati North Division & Ex-Officio Director, Surulia Mini Zoo Zoo Supervisor: Subhajit Maitra, FR Range Officer
	Name of the Veterinary Officer	Dr.Suman Mahato, DirectorofAnimalHusbandry& Veterinary Services, West Bengal Deputed.
	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: Aranya Bhawan (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	mswbza@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	Subhajit Maitra, FR
2.	Zoo Keeper	2	1	Ganesh Rajwar
3.	Animal Attendant	4	4	Biswajit Rajak
				Malinda Rajwar
				Prakash Singh
				Niru Rajwar
4.	Security Personnel	4	4	Swapan Rajwar
				Tulshi Rajwar
				Kishan Bouri
				Nepal Bouri
5.	Ticket Collector	1	1	Shekhar Choudhury
6.	Veterinary Assistant	1	1	Soumen Mandal
7.	Sanitation Attendant	1	1	Smt. Swarupa Bauri
8.	Garden Attendant	1	1	Kalipada Rajwar

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.	Zoo Keepers- Ganesh Rajwar Animal Attendants- Biswajit Rajak Malinda Rajwar Prakash Singh NiruRajwar Security personnel- Swapan Rajwar Tulshi Rajwar Kishan Bouri Nepal Bouri	Snake Identification, Rescue and Bite Management	05.08.2019	Surulia Mini Zoo premises
2.	Ganesh Rajwar, (Zoo Keeper) Malinda Rajwar, (Animal Attendant)	Snake Biology, Taxonomy, Rescue, Management, Conservation	23/11/2019	Surulia Mini Zoo premises

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, Raigunj Panchayet Samiti, Uttar Dinajpur 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–

Nil

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–

Nil

12. Statement of income and expenditure of the Zoo :

Year: 2021-2022

Opening Balance -Rs.**20,95748.78**

Month	Revenue	Fund Received	Total Budget	Expenditure
Apr-21	19,221.00	16,75,000.00	9,27,088.50	96,90,1.00
May-21	-	-	19,27,088.50	63,06,36.00
Jun-21	-	26,37,500.00	19,27,088.50	79,523.00
Jul-21	-	83,7500.00	19,27,088.50	49,06,65.00
Aug-21	-	83,7500.00	19,27,088.50	11,22,414.00
Sep-21	7102.00	83,7500.00	51,08,147.50	43,08,83.00
Oct-21	43,483.00	83,7500.00	51,08,147.50	22,42,88.00
Nov-21	32,441.00	83,7500.00	73,62,611.50	19,38,35.00
Dec-21	67,461.00	16,75,000.00	73,62,611.50	99,62,56.00
Jan-22	47,515.00	-	82,48,970.50	45,23,29.00
Feb-22	45,311.00	83,75,00.00	97,48,970.50	81,11,14.00
Mar-22	46,938.00	83,75,00.00	97,48,970.50	43,41,828.00
Total	30,94,72.00	11,85,0000.00	97,48,970.50	98,70,672.00

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, Honey	Dates	Watermelon	--
2.	Common Langur	Gram, rice, Banana, Green Veg	-	-	-
3.	Rhesus Monkey	Gram, rice, Banana, Green Veg	-	-	-
4.	Peafowl	Wheat, Rice, banana, Green leafy Veg, paddy	-	-	-
5.	Indian Rock Python	Hen,	-	-	-
6.	Fishing Cat	Chicken, Fish, Live deshi Hen			Tuesday
7.	Lesser Adjutant Stork	Fish	-	-	-
8.	Spotted Deer	MoongChuni, MusurChuni, , Molasses, Gram Chuni, Crushed Maize, Mustered-oil cake, CattleFeed,Wheat Bran, Black Salt, Green Vegetables	-	Watermelon	-
9.	Porcupine	Gram, Green Veg, Banana	-	-	-
10.	Sambar	Wheat Bran, Crushed Maize, Mustered-oil cake, Thatch, Cattle Feed, Molasses,			
11.	Red Jungle Fowl	Wheat& Paddy, Cabbage & Spinach, Carrot, Pumpkin, Boiled egg,Onion, Green Leafy Veg			

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	Rabies , DHPPIL			As advised time to time by visiting Zoo Veterinarian
2	Common Langur	Rabies			
3	Rhesus Monkey	Rabies			
4	Peafowl	<u>NDV</u>			
5	Indian Rock Python	=			
6	Fishing Cat				
7	Lesser Adjutant Stork	=			
8	Spotted Deer				
9	Porcupine				
10	Sambar				
11	Red Jungle Fowl	- <u>NDV</u>			
12	Golden Pheasant	<u>NDV</u>			
13	Lady Ahmherst	<u>NDV</u>			
14	Silver Pheasant	<u>NDV</u>			

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	Albendazole + Ivermectin	June	30.06.2021
		Fenbendazole	October	06.10.2021
		Albendazole Fenbendazole	February	15.02.2022

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 water daily rest thrice a week
2	Common Langur	Cage	KMnO ₄ Footbath, Lime dusting, Ca(ClO) ₂	Daily
3	Rhesus Monkey	Cage	KMnO ₄ Footbath, Lime dusting, Ca(ClO) ₂	Daily
4	Peafowl	Cage Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week

5	Indian Rock Python	Cage	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Weekly
6	Fishing Cat	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
7	Lesser Adjutant Stork	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
8	Spotted Deer	Cage with Rest Shed	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
9	Porcupine	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
10	Sambar	Open with feed & rest sheds	KMnO ₄ Footbath, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
11	Red Jungle Fowl	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
12	Silver Pheasant	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
13	Golden Pheasant	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week
14	Lady Ahmherst	Open with Night Shelter	KMnO ₄ wash, Lime dusting, Ca(ClO) ₂	Permanent footbath water daily rest thrice a week

17. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1.	Shekhar Choudhury	Ticket Collector	05.08.2019	All employees found free from any disease or illness and found fit for service
2.	Soumen Mandal	Veterinary Assistant		
3.	Ganesh Rajwar	Zoo Keeper		
4.	Biswajit Rajak	Animal Attendant		
5.	Prakash Singh	Animal Attendant		
6.	Malinda Rajwar	Animal Attendant		
7.	Niru Rajwar	Animal Attendant		
8.	Kalipada Rajwar	Garden Attendant		
9.	Nepal Bouri	Security Personal		
10.	Tulshi Rajwar	Security Personal		
11.	Swapan Rajwar	Security Personal		
12.	Kishan Bouri	Security Personal		
13.	Swarupa Bauri	Sanitation Attendant		

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



Construction of Leopard Enclosure



Construction of Service Road



Renovation of NIC Building



Porcupin Enclosure Side View



Renovation of Main Entry Gate



Construction of Fishing cat Enclosure



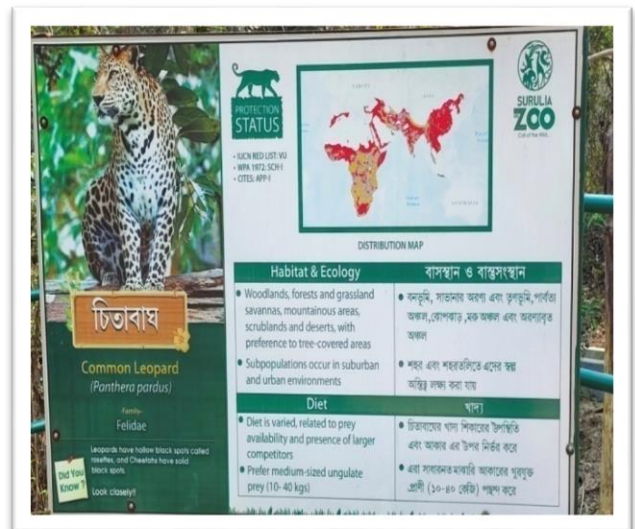
Fishing Cat within their Enclosure



Fishing Cat within their Night Shelter



Construction of Rescue Centre



Bilingual species information display boards



Instructive signages

19. Education and Awareness programmes during the year :

1. Specialized Training-cum-Workshop Programmes by experts on Animal biology, taxonomy, and handling have been arranged for zoo staff and other departmental staff, JFMC members time to time.
2. A Workshop on Wild Life Law Enforcement by legal expertshas been arranged for officers of DCF, ACF rank, range and beat Officers, of the Department to impart and sharpen skills of identification and court case handling.
3. Awareness programmes have been conducted in the zoo to collaborate World Environment Day, Wildlife week and other important events of environmental significance.

20. Important Events and happenings :

- Workshop on forest & wildlife act & forest conservation act dated 18.07.2019.
- Workshop on snake biology, handling and bite management dated 05.08.2019.
- Workshop on snake biology, taxonomy, rescue, handling and bite management dated 23.11.2019
- Inauguration of Zoo website and guided tour of newly installed Bilingual Enclosure Boards, Zoo Etiquette Board and Warning Signs dated 09.12.2019
- Workshop on Wild Life Law Enforcement dated 17.12.2019 – 18.12.2019

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.

Warming arrangements e.g. rags, straw cushioning are provided to the animals in cold weather.

22. Research Work carried out and publications :

At present there is no research programme in the Zoo. However, students from local colleges take up dissertation projects on the habitat and flora of the Zoo. Research programmes in collaboration with local colleges and universities are encouraged.

23. Conservation Breeding Programme of the Zoo :

The Zoo has taken up 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. Animal Acquisition / transfer / exchange during the year :

A	Animals arriving in the Zoo				
	H.No	Species	Number (M:F)	From which Zoo	Date of Arrival at the Zoo
		Red Jungle Fowl	2:2	PNHZZP	1001.2022
		Silver Pheasant	2:2	PNHZZP	1001.2022
		Golden Pheasant	2:2	PNHZZP	1001.2022
		Fishing Cat	1:1	Garhchumuk mini zoo	10.01.2022
		Lady Ahmherst	2:1	PNHZZP	1001.2022
B	Animals going from the Zoo				
	H.No	Species	Number (M:F)	to which Zoo	Date of deposition from the Zoo
	NA				

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.	05.05.21	Eagle- 1No.	Purulia Para Range,		Released on 20.05.2021 at Surulia Forest	
2.	06.05.21	Grey horn owl- 1No.	Saltora Range		Released on 12.05.2021 at Surulia Forest	
3.	06.05.21	Peahen- 1No.	Raghunathpur Range			Not release because of

						Display at Zoo
4.	06.05.21	Black kaped Hare-1 No.	Saltora Range		Released on 21.05.2021 at Surulia Forest	
5.	13.05.21	Civet Cat 1 no	Purulia Para Range,		Released on 21.05.2021 at Surulia Forest	
6.	24.05.21	Owl 1 no	Purulia Para Range		Released on 30.05.2021 at Surulia Forest	---
7.	25.05.21	Owl 1 no	Purulia Para Range		Released on 30.05.2021 at Surulia Forest	---
8.	27.05.21	Kite- 1No.	Purulia Para Range		---	Expired on 28.07.21
9.	28.05.21	Bengal monitor lizard- 1No.	Purulia Para Range		Released on 28.05.21 at Surulia forest	---
10.	05.06.21	Common langur 2 nos	Joypur range		---	Expired on 06.05.21
11.	21.06.21	Spotted Deer-1 No.	Jamuna range under KSD		Released on 09.08.21 at Kulilpal forest	
12.	21.06.21	Hyena-1 No.	Jhalda Range		---	Expired on 21.06.21
13.	26.06.21	Barking Deer-1No.	Balarampur Range		---	Expired on 26.06.21
14.	03.07.21	Hyena- 1No.	Bagmundi Range			Transit to Alipur zoo on 05.07.21
15.	02.08.21	Rhesus Monkey-1No.	Purulia Para range		Released on 30.08.21 at Garhpanchokot Hill forest	
16.	08.08.21	Cormorant Birds- 3Nos.	Purulia Para range		Released on 11.08.21 at Loharsole dam Surulia forest	---
17	08.08.21	Python 1 no	Purulia Para range		Released on 02.08.21 at Garhpanchokot Hill forest	
18	20.08.21	Hyena(Carcas) 1 no	Jhalda Range			
19	27.08.21	Common Langur 1 no	Jhalda Range		Released on 30.10.21 at Ajodhya Hill forest	
20	02.08.21	Rhesus Monkey 1 no	Purulia Para range		Released on 02.09.21 at Garhpanchokot Hill forest	
21	01.09.21	Common Langur 1no	Purulia Para range		Released on 05.12.21 at Surulia forest	
22	11.09.21	Kingfisher 1 no	Purulia forest Division Office		Released on 30.09.21 at Bird	

					Aviary Surulia mini zoo	
23	12.09.21	Owl 1 no	Purulia Para range		Released on 29.09.21 at Surulia forest	
24	19.10.21	Python 1 no	Purulia Para range		Released on 30.10.21 at Ajodhya Hill forest	
25	28.10.21	Python 1 no	Purulia Para range		Released on 30.10.21 at Ajodhya Hill forest	
26	29.10.21	Kingfisher 1 no	Manbazar Range		Released on 30.10.21 at Bird Aviary Surulia mini zoo	
27	08.01.22	Civet Cat 1 no	Manbazar-1 Beat		Release on 22.01.22 at valumara forest	
28	14.02.22	Common Langur 1 no	Purulia Para range			Expired on 21.02.22
29	20.03.22	Lesser Adjutant stork	Hura Range			Not release because of Display at Zoo
30	25.03.22	Common Langur 1 no	Purulia Para range		Released on 09.07.22 at Garhpanchokot Hill forest	

26. Annual Inventory of animals :

27. Form – ii

28. [See Rule 11 (1)]

29. Inventory Report for the Year: 2021-2022

30. Endangered Species*

S.N	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
Endangered Species Schedule I& II																						
1	Peafowl	<u>Pavocristatus</u>	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	1	3	0	4	
2	Bear Sloth	<u>Melursusursinus</u>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
3	Langur Common	<u>Semnopithecusentellus</u>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
4	Macaque Rhesus	<u>Macacamulatta</u>	2	0	0	2	0	0	0	2	1	0	0	0	1	0	0	3	1	0	4	
5	Python Indian-Rock	<u>Python molurus</u>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
6	Fishing cat	<u>Prionailurus viverrinus</u>	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2	
		Total of Endangered Species	4	1	1	6	0	0	0	4	5	0	0	0	0	1	0	7	6	1	14	
Other Than Endangered Species (Schedule III and IV)																						
		-																				
		-	M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
7	Lady Ahmherst	<u>Chrysolophus amherstiae</u>	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	2	1	0	3	
8	Stork Adjutant(lesser)	<u>Leptoptilosjavanicus</u>	0	0	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	3	3	
9	Red Jungle Fowl	<u>Gallus gallus</u>	3	2	0	5	0	0	0	2	2	0	0	0	0	1	0	5	3	0	8	
10	Deer Spotted (Chital)	<u>Axis axis</u>	9	11	10	30	0	0	6	0	0	0	0	0	0	0	2	12	13	9	34	
11	Porcupine (Albino)	<u>Hystrixindica</u>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
12	Sambar	<u>Rusaunicolor</u>	2	2	0	4	0	1	0	0	0	0	0	0	0	2	0	2	1	0	3	
13	Silver Pheasant	<u>Lophura nycthemera</u>	0	0	0	0	0	0	0	2	2	0	0	0	1	0	0	1	2	0	3	
14	Golden Pheasant	<u>Chrysolophus pictus</u>	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	2	0	4	
		Total of Species	15	16	12	43	0	1	6	8	7	1	0	0	0	1	3	2	25	23	12	60

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



Fishing Cat 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	Silver Pheasant	<i>Lophura nycthemera</i>	Male	18.03.2022	Fight with another male and bleeding from ear& head injury
2	Sambar Deer	<i>Rusa unicolor</i>	F	05.01.2022	Liver injury, stumped by mother & loss of vigour & lack of colostrum
3	Red Jungle Fowl	<i>Gallus gallus</i>	Female	27.05.2021	Chronic hepatitis & suffering weakness from brooding
4	Spotted Deer	<i>Axis axis</i>	U	17.02.2022	Weakness & debilitated from lack of colostrum since birth
5	Rhesus monkey	<i>Macaca mulatta</i>	Male	10.03.2022	Multiple organ failure & Senility Positive for E.Coli & Shigella spp
6	Spotted Deer	<i>Axis axis</i>	U	29.03.2022	Weakness and lack of colostrum
7	Sambar Deer	<i>Rusa unicolor</i>	F	06.06.2021	Pneumonia & the environmental heat the cause of death from cardiac respiratory failure

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 on 18.03.2020
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.	Seen.

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.	The wall should be completed by the next evaluation.
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.	Seen.

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 financial powers.	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.	Seen.
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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.	.Done.
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.	Seen.

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. Rescue-cum-Quarantine Centre is complete..	Seen. Rescue-cum-Quarantine Centre is complete..
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 animals in extreme weather conditions.	Immediately	29.01.2019	Kraal has been constructed in the deer enclosure.	Seen. Service Road completed
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 ,pond water with live fish for Fishing cat,Natural bamboo house, mud house and feeding enrichment inside the pheasant enclosure.	Seen.
10.	10.4 (10)	The bilingual Signage's should be displayed with adequate scientific information of the	Three month	29.01.2019	Complied.	Seen.

		species housed in the enclosure.				
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.	Seen.
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.	Seen.
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.	Seen.
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.	Done by Veterinary staff
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.	Seen.
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.	Seen.
6. Veterinary and Infrastructure Facilities						
17.	10.6 (1)	The zoo is constructing a treatment room for animals. It should have	Three month	29.01.2019	Treatment Room is complete and equipped with sufficient	Completed.

		provision of sufficient light and should be well equipped.			illumination and medical equipments.	
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.	Seen.
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 and records should be maintained for not less than six years.	Immediately	29.01.2019	Complied.	Seen.
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.	Seen
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	Seen.
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.	Seen.
10. Research Activities						
23.	10.10	The zoo by involving local education	One year	29.01.2019	Complied.	Seen.

	(1)	institutions should initiate need based research programme in the zoo.			Students from local colleges take part in research activities.	
11. Education and Outreach Activities						
24.	10.11(1)	The zoo should celebrate various environment days and wildlife week as Education and Outreach activity for the local people to make them aware of environment conservation.	Immediately	29.01.2019	Complied. Regular Celebration of Environment and Wildlife Days, Childrens Day involving School Children and Public is taken up.	Seen.
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.	Seen.
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.	Seen.

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

- a. **Mammals**-Rat, Indian Palm Squirrel, Common Langur (*Presbytis entellus*), Common mongoose (*Herpestes edwardsii*), Fruit Bats (Chiroptera), Rhesus Monkey (*Macaca mulatta*).
- b. **Birds**-Jungle Babblers (*Turdoides striata*), Indian Myna (*Acridotheres tristis*), Parakeets (*Psittacidae*), Cuckoos (*Cuculidae*), Owls (*Strigidae*), Doves (*Columbidae*), Lesser Adjutant Storks (*Leptoptilos javanicus*)
- c. **Reptiles**- Common Sand Boa (*Bungarus fasciatus*), Common Krait (*Bungarus caeruleus*), Garden Lizards (*Calotes versicolor*), Snakes (*Naja naja*, *Viperaspp*, *Ptyas mucosus*, *Amphiesmastolata* Python molurus etc.),

Submitted by

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Ex-Officio Director, Surulia Mini Zoo, Purulia