



Kanan Pendari Zoological Garden Bilaspur
Annual Report for the Year 2021-22



1. Report of the Officer-in-charge:

A major change in administrative setup was undertaken by the Government of Chhattisgarh wherein the post of Director Kanan Pendari Zoo was shifted from under Divisional Forest Officer, Bilaspur Division to Director Achanakmar Amarkantak Biosphere Reserve (AABR) with an independent IFS officer in-charge of the same. Since the Director AABR does not have any direct territorial jurisdiction of any forest area and hence the focus would centre around the zoo.

Restructuring the enclosures for well-being of animals and also for aesthetic value was undertaken and will continue to be the focus area. Population management of animals especially the very high surplus of herbivores was another key area that was focused upon and projects for translocation of animals are in pipeline. Consolidation of the existing infrastructure rather than acquisition of new species will be the short-term target area.

While the prevalent covid restriction led to comparatively muted response from visitors in the first half of the year, the numbers picked up in the latter half. A major shift in public interaction through social media outreach and animal adoption programme have been outlined for the coming year. The Zoo administration will strive to further the cause of wildlife conservation through education and outreach, core objective on which the foundation of any zoo lies.

I would like to sincerely thank the support from Chief Wildlife Warden Chhattisgarh, Additional Principal Chief Conservator of Forest (Wildlife), Chief Conservator of Forest (Wildlife) Bilaspur and acknowledge the efforts of dedicated staff at Kanan Pendari Zoological Garden for not just getting through a challenging year but for looking ahead and striving with greater motivation for the year ahead

2. History of the Zoo: -Kanan Pendari Zoological Garden, Bilaspur is situated 9 KM from Bilaspur on Jabalpur – Bilaspur highway. The Bilaspur is the second largest city of the state. It is situated on the rain fed Arpa River which originates from the high hill of the Maikal rang of central India. In 1975, this area was being used as nursery for forest department. Later on it was converted into wild animal rescue centre wherein rescued animals like – deer, bear, jackal

etc. were kept. This centre started attracting people and was developed as a breeding centre for cheetal. In 1997, this centre was developed as small zoo with a facility of rescue centre.

Slowly, the centre started receiving a number of animals as rescued one, therefore the population of species increased. In 2002, Central Zoo Authority granted recognition to Kanan Pendari Zoological Garden, Bilaspur as mini zoo there after CZA recognized it as a small zoo in 2008.

State Forest Department, Chhattisgarh manages this zoological garden since its inception.

3. Vision: -To provide an enriching educational and aesthetic experience with focus on creating awareness about nature conservation

4. Mission:-To establish zoo as a centre for nature education and enable those who otherwise won't get an opportunity to see, feel, and enjoy the magnificent species of animals and be able to empathizes with them

5. **Objective:** -The zoo shall work to achieve its mission through implementing following objectives:

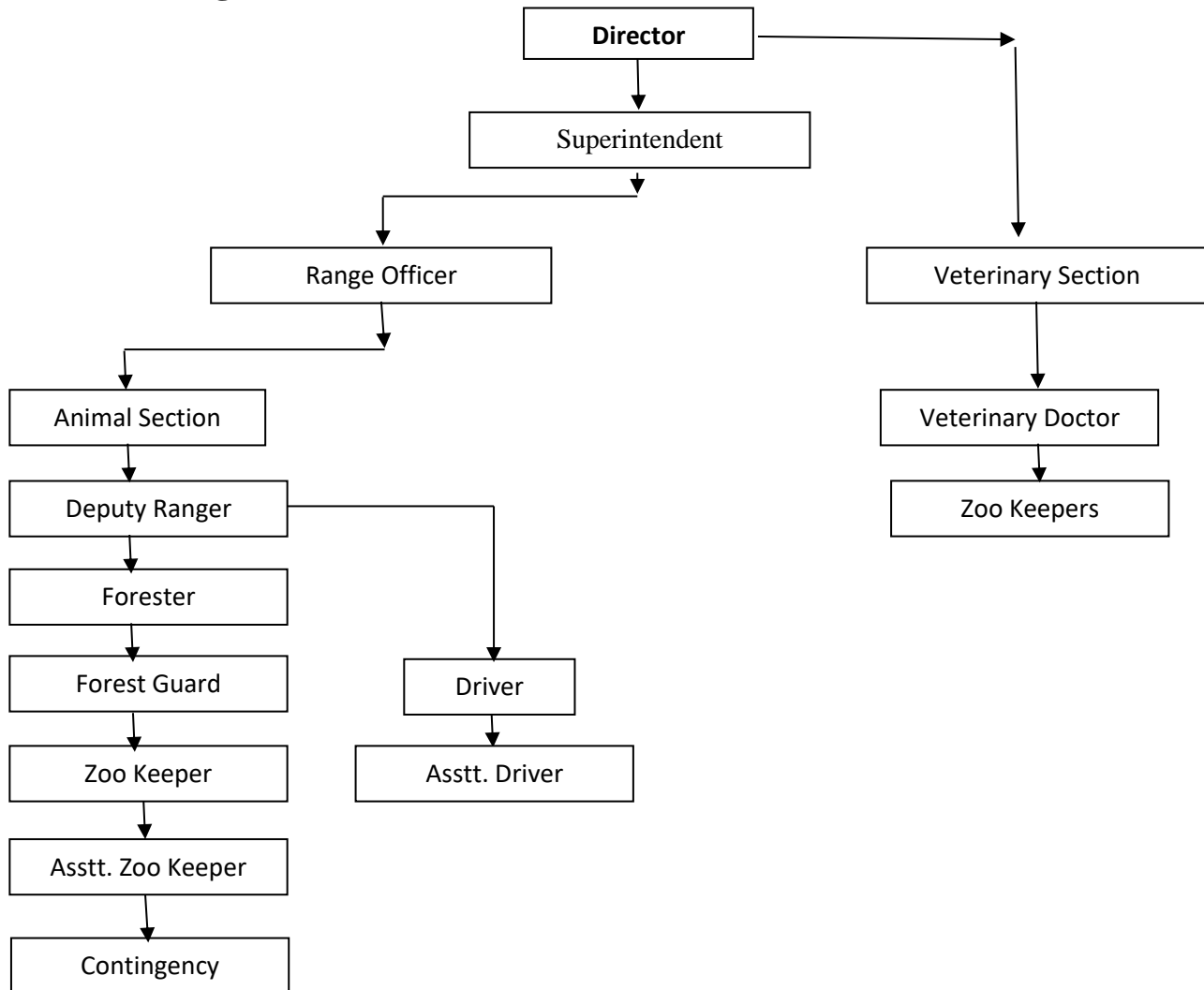
- (1) To provide nature education and to create amongst the visitor's empathy towards wild animals through appreciation and better understanding
- (2) To assist in conservation of the in-situ population of various species of endangered animals and their habitat by sensitizing the people
- (3) Recreation for the purpose of providing wholesome, healthy and educational activity to a large number of people by utilizing the outdoor natural setting without detriment to any of the preceding objectives.

6. About us: -

S.No.	Particulars	Information	
Basic Information about the zoo			
1	Name of the Zoo	Kanan Pendari Zoological Garden Bilaspur (C.G.)	
2	Year of Establishment	2004-2005	
3	Address of the Zoo	Kanan Pendari Zoological Garden Sakri, Block Takhatpur Dist. Bilaspur (C.G.) Pin code 495003,	
4	State	Chhattisgarh	
5	Telephone Number	07752-226082	
6	Fax Number	-	
7	E-mail address	kananpendari2017@gmail.com	
8	Website	-	
9	Distance from nearest	Airport: Swami Vivekanand, Airport Raipur - 145 km.	
		Railway Station: Bilaspur – 12 km.	
		Bus Stand: Bilaspur – 10 km.	
10	Recognition Valid up to (Date)	Recognition as a medium Zoo valid up to August 2022	
11	Category of zoo	Medium Zoo	
12	Area (in Hectares)	65.238 Ha (49.365 Ha additional area proposed for expansion)	
13	Number of Visitors (Financial Year 2021-22)	Adult:	191027
		Children:	66483
		Total Indian:	257510
		Total Foreigners:	1
		Total Visitors:	257511
14	Visitors' Facilities Available in Zoo	Battery Operated Vehicles, Children's Park, Interpretation Centre, Canteen, Resting areas, Drinking water points, Restrooms	
15	Weekly Closure Day of the Zoo	Monday	
Management Personnel of the zoo			
16	Name with designation of the Officer in-charge	Nair Vishnuraj Narendran IFS, Director Kanan Pendari Zoological Garden	
	Name of the Veterinary Officer	Dr. Ajeet Pandey	
	Name of the Curator	Nil	
	Name of the Biologist	Nil	
	Name of the Education Officer	Nil	
	Name of the Compounder/ Lab Assistant	Nil	
Owner/ Operator of the Zoo			
17	Name of the Operator	Office of Director Achanakmar Amarkantak Biosphere Reserve and Kanan Pendari Zoological Garden, Koni Bilaspur (C.G.)	
18	Address of the Operator	Office of Director Achanakmar Amarkantak Biosphere Reserve and Kanan Pendari Zoological Garden, Koni Bilaspur (C.G.)	

19	Contact details/Phone number of Operator	Director Achanakmar Amarkantak Biosphere Reserve and Kanan Pendari Zoological Garden Ph 07752-260166
20	E-mail address of Operator	diraabr@gmail.com , kananpendari2017@gmail.com

7. Organizational Chart: -



8. **Human Resources: -**

Manpower of the Zoo

S.No.	Designation	Number of Sanctioned Posts	Number of Personnel Working
1	Director	1	1
2	Superintendent (A.C.F)	0	1
3	R.O.	1	1
4	Vety. Officer	0	1
5	Dy. Ranger	2	3
6	Forester	2	5
7	Forest Guard	4	4
8	Chowkidar	0	3
9	Zoo keepers	0	45
10	Other daily wages workers	0	59

9. **Capacity Building of zoo personnel: -**

S.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
NIL				

10. Zoo Advisory Committee: -

- a. Date of constitution: **Not constituted**
- b. Members. Nil
- c. Dates on which Meetings held during the year. Nil

11. Health Advisory Committee: -

- a. Date of constitution: **19/02/2018**
- b. Members: **4**
- c. Dates on which Meetings held during the year: **Meeting not held in 2021-22**

12. Statement of income and expenditure of the Zoo

Annual income from all sources for the year 2021-22

Head	Income	Expenditure
Regular head	40394253	40380859
Gate money	4449550	4274492
Total: -	44843803	44655351

13. Daily Feed Schedule of animals

S.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Antelope Four horned	Green Fodder & dry fodder, Concerted feed	2 kg., 2.50 gm., 500 gm,	2 kg., 2.50 gm., 500 gm,	No
2	Barking Deer	Green Fodder & hays, Concerted feed	2 kg., 2.50 gm., 500 gm,	2 kg., 2.50 gm., 500 gm,	No
3	Black Buck	Green Fodder & hays, Concerted feed	2 kg., 2.50 gm., 750 gm,	2 kg., 2.50 gm., 750 gm,	No
4	Bison	Green Fodder & hays, Concerted feed	15 kg., 05kg., 10kg.,	15 kg., 05kg., 10kg.,	No
5	Chinkara	Green Fodder & hays, Concerted feed	2 kg., 2.50 gm., 500 gm,	2 kg., 2.50 gm., 500 gm,	No
6	Common Palm Civet	Goat meat	300 gm,	300 gm,	Every Sunday
7	Common Fox	Goat meat	500 gm,	500 gm,	Every Sunday
8	Common Langur	Green veg. & fruit	1 kg.	1 kg.	No
9	Goral	Green Fodder & hays, Concerted feed	2 kg., 2.50 gm., 500 gm,	2 kg., 2.50 gm., 500 gm,	No
10	Hyaena	Meat	2 kg.	2 kg.	Every Sunday
11	Hippopotamus	Green Fodder & hays, Concerted feed	15 kg., 05kg., 10kg.,	15 kg., 05kg., 10kg.,	No
12	Hog Deer	Green Fodder & hays, Concerted feed	2 kg., 2.50 gm., 750 gm,	2 kg., 2.50 gm., 750 gm,	No
13	Indian Small Civet	Meat	200 gm,	200 gm,	Every Sunday
14	Jungle Cat	Meat	200 gm,	200 gm,	Every Sunday
15	Jackal	Meat	1 kg.	1 kg.	Every Sunday
16	Leopard or Panther	Meat	3 kg.	3 kg.	Every Sunday
17	Lion	Meat	10 kg.	10 kg.	Every Sunday
18	Macaque	Green veg. & fruit	1 kg.	1 kg.	No
19	Mongoose Grey	Meat	200 gm,	200 gm,	Every Sunday
20	Mouse Deer	Green veg. & fruit	0.5 kg.	0.5 kg.	No
21	Nilgai	Green Fodder & hays, Concerted feed	10 kg., 02kg., 05kg.,	10 kg., 02kg., 05kg.,	No
22	Ratel	Meat	0.5 kg.,	0.5 kg.,	Every Sunday
23	Sika Deer	Green Fodder & hays, Concerted feed	04 kg., 01kg., 01kg.,	04 kg., 01kg., 01kg.,	No
24	Spotted Deer (chital)	Green Fodder & hays, Concerted feed	04 kg., 01kg., 1.5kg.,	04 kg., 01kg., 1.5kg.,	No
25	Swamp Deer	Green Fodder & hays, Concerted feed	06 kg., 01kg., 02kg.,	06 kg., 01kg., 02kg.,	No

26	Sambar	Green Fodder & hays, Concerted feed	08 kg., 01kg., 04kg.,	08 kg., 01kg., 04kg.,	No
27	Sahi	Green veg. & fruit	1 kg.	1 kg.	No
28	Sloth Bear	Fruit, kheer & Chapati	4 kg.	4 kg.	No
29	Tiger white	Meat	10 kg.	10 kg.	Every Sunday
30	Royal Bengal Tiger	Meat	10 kg.	10 kg.	Every Sunday
31	Thiamin Deer	Green Fodder & hays, Concerted feed	06 kg., 01kg., 02kg.,	06 kg., 01kg., 02kg.,	No
32	White Buck	Green Fodder & hays, Concerted feed	2 kg., 2.50 gm., 750 gm,	2 kg., 2.50 gm., 750 gm,	No
33	Wild boar	Fruit, kheer & Chapati	4 kg.	4 kg.	No
34	Banded krait	Live Snake	-	-	Weekly
35	Common krait	Live Snake	-	-	Weekly
36	Crocodile	Fish	2 kg.	2 kg.	Every Sunday
37	Ghariyal	Fish	2 kg.	2 kg.	Every Sunday
38	Indian rock python	Chicken	2 kg.	2 kg.	Weekly
39	Indian monitor	Fish	200 gm.	200 gm.	Every Sunday
40	Indian Cobra	Day old chick	02 pc.	02 pc.	Weekly
41	Rat Snake (dhaman)	Day old chick	02 pc.	02 pc.	Weekly
42	Sand boa common	Day old chick	02 pc.	02 pc.	Weekly
43	Viper rusells	Day old chick	02 pc.	02 pc.	Weekly
44	Tortoise	Green veg. & fruit	100 gm,	100 gm.	No
45	Turtle	Green veg. & fruit	100 gm,	100 gm.	No
46	Alexender parakeet	Seeds & fruits	100 gm.,	100 gm.,	No
47	Budgerigar	Seeds	20 gm.,	20 gm	No
48	Black Kite	Meat	100 gm,	100 gm,	Every Sunday
49	Cockatiel	Seeds	30 gm.,	30 gm	No
50	Emu	Fruits, green vegetables & Poultry feed	2 kg.	2 kg.	No
51	Greater Adjutant	Fish	0.5 kg.	0.5 kg.	Every Sunday
52	Gray Partridge	Seeds	30 gm.,	30 gm	No
53	Love bird's	Seeds	20 gm.,	20 gm	No
54	Owl brown fish	Meat	100 gm,	100 gm,	Every Sunday
55	Parakeet common	Seeds & fruits	100 gm.,	100 gm.,	No
56	Pelican rosy white	Fish	02 kg.	2 kg.	Every Sunday
57	Painted stork	Fish	0.5 kg.	0.5 kg.	Every Sunday
58	Peafowl	Seeds & fruits	0.5 kg.	0.5 kg.	No
59	Quail	Seeds	20 gm.,	20 gm	No
60	Red Jungle Fowl	Chicken feed	200 gm.	200gm.	No
61	Screech owl	Meat	100 gm,	100 gm,	Every Sunday
62	Shikra	Meat	100 gm,	100 gm,	Every Sunday
63	Vulture	Meat	1 kg.	1 kg.	Every Sunday
64	Ostrich	Fruits, egg, green	4 kg.	4 kg.	No

		vegetables & Poultry feed			
65	Yellow Parakeet	Seeds & fruits	100 gm.,	100 gm.,	No

14. Vaccination schedule of animals:-

No.	Species/Group of animal	Disease vaccinated for	Name of the Vaccine and dosage	Periodicity	Remarks
1	Canids (Fox, Jakal, Hyena)	Canine distemper, Canine adenovirus type-2 & type-2, Canine Parvo virus, ICH, Leptospira, Para influenza	Canigen DHPPII 1 ml I/M	Annual vaccination	
2	Felids (Tiger, Lion, leopard)	Feline panleucopenia, Feline rhinotracheitis, feline calicivirus	Feligen CRP 1 ml s/c	Annual vaccination	
3	Bovid (Indian Bison)	Food and mouth disease (FMD), Hemorrhagic septicemia (HS), Black quarter (BQ)	Raksha –Triovac 3 ml I/M (Pre monsoon)	Annual vaccination	

15. De-worming Schedule of animals:-

S.No.	Species	Drug used	Month
1	Antelope Four horned	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
2	Barking Deer	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
3	Black Buck	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
4	Bison	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
5	Chinkara	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
6	Common Palm Civet	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
7	Common Fox	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
8	Common Langur	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
9	Goral	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
10	Hyaena	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
11	Hippopotamus	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month
12	Hog Deer	Fenbendazole, Albendazole, Oxytoclozanide, Ivermectine	Every 3 month

13	Indian Small Cevet	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
14	Jungle Cat	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
15	Jackal	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
16	Leopard or Panther	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
17	Lion	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
18	Macaque	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
19	Mongoose Grey	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
20	Mouse Deer	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
21	Nilgai	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
22	Ratel	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
23	Sika Deer	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
24	Spotted Deer (chital)	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
25	Swamp Deer	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
26	Sambar	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
27	Sahi	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
28	Sloth Bear	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
29	Tiger white	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
30	Royal Bengal Tiger	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
31	Thiamin Deer	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
32	White Buck	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
33	Wild pig	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
34	Banded krait	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
35	Common krait	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
36	Crocodile	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
37	Ghariyal	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
38	Indian rock python	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
39	Indian monitor	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month

40	Indian Cobra	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
41	Rat Snake (dhaman)	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
42	Sand boa common	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
43	Viper russells	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
44	Tortoise	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
45	Turtle	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
46	Alexender parakeet	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
47	Budgerigar	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
48	Black Kite	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
49	Cockatiel	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
50	Emu	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
51	Greater Adjutant	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
52	Gray Partridge	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
53	Love bird's	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
54	Brown fish Owl	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
55	Parakeet common	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
56	Pelican rosy white	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
57	Painted stork	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
58	Peafowl	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
59	Quail	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
60	Red Jungle Fowl	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
61	Screech owl	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
62	Shikra	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
63	Vulture	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
64	Ostrich	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month
65	Yellow Parakeet	Fenbendazole, Albendazole, Oxclozanide, Ivermectine	Every 3 month

De-worming drug is changed (trade name and the compound combination) regularly to maintain its efficacy.

16. Disinfection Schedule: -

S.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Antelope Four horned	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
2	Barking Deer	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
3	Black Buck	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
4	Indian Bison	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
5	Chinkara	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
6	Common Palm Civet	Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
7	Common Fox	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly & Monthly
8	Common Langur	Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
9	Goral	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
10	Hyaena	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly & Monthly
11	Hippopotamus	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Weekly
12	Hog Deer	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
13	Indian Small Cevet	Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
14	Jungle Cat	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
15	Jackal	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
16	Leopard or Panther	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly 2 times
17	Lion	Open, Close cell	Sodium hypochlorite & Kohrsolin th	Weekly 2 times
18	Macaque	Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
19	Grey Mongoose	Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
20	Mouse Deer	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly
21	Nilgai	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Weekly
22	Honey Badger	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly

23	Sika Deer	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
24	Spotted Deer (chital)	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
25	Swamp Deer	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
26	Sambar	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
27	Sahi	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
28	Sloth Bear	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly 2 times
29	White Tiger	Open, Close cell	Sodium hypochlorite & Kohrsolin th	Weekly 2 times
30	Royal Bengal tiger	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly 2 times
31	Thiamin Deer	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
32	White Buck	Open	Sodium hypochlorite, Kohrsolin th, Butox & Bleaching powder	Monthly
33	Wild pig	Open, Closed cell	Sodium hypochlorite & Kohrsolin th	Weekly 2 times
34	Banded krait	Closed cell	Virkon-s	Weekly
35	Common krait	Closed cell	Virkon-s	Weekly
36	Crocodile	-	-	-
37	Ghariyal	-	-	-
38	Indian rock python	Closed cell	Virkon-s	Weekly
39	Indian monitor	Closed cell	Virkon-s	Weekly
40	Indian Cobra	Closed cell	Virkon-s	Weekly
41	Rat Snake (dhaman)	Closed cell	Virkon-s	Weekly
42	Sand boa common	Closed cell	Virkon-s	Weekly
43	Viper russells	Closed cell	Virkon-s	Weekly
44	Tortoise	Closed cell	Virkon-s	Weekly
45	Turtle	Closed cell	Virkon-s	Weekly
46	Alexender parakeet	Closed cell	Virkon-s	Weekly
47	Budgerigar	Closed cell	Virkon-s	Weekly
48	Black Kite	Closed cell	Virkon-s	Weekly
49	Cockatiel	Closed cell	Virkon-s	Weekly
50	Emu	Closed cell	Virkon-s	Weekly
51	Greater Adjutant	Closed cell	Virkon-s	Weekly
52	Gray Partridge	Closed cell	Virkon-s	Weekly
53	Love bird's	Closed cell	Virkon-s	Weekly
54	Owl brown fish	Closed cell	Virkon-s	Weekly
55	Parakeet common	Closed cell	Virkon-s	Weekly
56	Pelican rosy white		-	-
57	Painted stork		-	-
58	Peafowl	Closed cell	Virkon-s	Weekly
59	Quail	Closed cell	Virkon-s	Weekly
60	Red Jungle Fowl	Closed cell	Virkon-s	Weekly
61	Screech owl	Closed cell	Virkon-s	Weekly

62	Shikra	Closed cell	Virkon-s	Weekly
63	Vulture	Closed cell	Virkon-s	Weekly
64	Ostrich	Closed cell	Virkon-s	Weekly
65	Yellow Parakeet	Closed cell	Virkon-s	Weekly

17. **Health Check-up of employees for zoonotic diseases: -**

S.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Health checkup for Covid was carried out			

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

1. Construction of stone boundary walls for chital, sambar and nilgai enclosure so as to physical create barrier among them
2. Construction of visitor sheds at ticket counter and also resting sheds within the zoo
3. Renovation of Toilet Infrastructure for better hygiene and comfort
4. Renovation of slaughter house to provide feed for carnivores
5. Addition of new animal information signages
6. Flooring in bison enclosure with proper drainage

19. **Education and Awareness programme carried out during the year**

- 1) Celebration of Wildlife Week, Elephant Day, Lion Day, Tiger Day and World Environment Day which involved painting competition, essay writing competition for children visiting the zoo
- 2) Celebration of Zoo Day felicitating the best performing staff in the zoo

20. **Important Events and happenings:**

Translocation of 20 chitals to Achanakmar Tiger Reserve, 16 chital to Gurughasidas National Park and 14 chital to Tamor Pingla Sanctuary as part of population management within the Zoo.

21. **Seasonal special arrangements for upkeep of animals.**

- 1) Creation of temporary huts for providing shade to animals in summer, provision of water sprinkler to maintain moisture level in the habitat and enable the animals to cool themselves in summer. Providing water cooler along the keeper's gallery to keep the ambient temperature in the night shelter cooler.
- 2) In summer electrolytes and vitamin and mineral supplements are given to animals as required. In winter calcium supplements are given.

3) Closing of night shelter gate openings with plywood in winter to stop flow of cold draft wind and keeping it open for rest of the year.

22. Research Work carried out and publications. NIL

23. Conservation breeding Programme of the Zoo. NIL

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 in the zoo
1	-	Antelope Four horned	(2:2)	Jungle Safari, Raipur	18/08/2021
2		Ostrich	(1:0)	Birsa Munda Botanical Garden, Ranchi	17/11/2021
3	-	Asiatic Lion	(1:0)	Pipli mini-Zoo, Haryana	18/02/2022
B. Animals going from the zoo					
	H.No.	Species	Number (M:F)	Going to which Zoo	Date of arrival in the zoo
1	-	Barking deer	3:3	Jungle Safari, Raipur	18/08/2021
2	-	Common fox	1:2	Jungle Safari, Raipur	18/08/2021
3	-	Asiatic Lion	1:0	Pipli mini-Zoo, Haryana	18/02/2022

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

S.no.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo. If not released in their habitat
NIL						

26. Annual Inventory of animals: -

FORM-II
[See rule 11 (1)]

PART - A
Kanan Pandari Zoo, Bilaspur, Chhattisgarh

Proforma for Annual Inventory Report
Inventory Report for the Year : 2021-2022

Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2021)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2022)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Aves																						
1.	Shikra	<i>Accipiter badius</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
2.	White-rumped Vulture	<i>Gyps bengalensis</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
3.	Indian Peafowl	<i>Pavo cristatus</i>	6	2	7	15	0	0	0	0	0	0	0	0	0	0	0	0	6	2	7	15
Total Aves			6	2	11	19	0	0	0	0	0	0	0	0	0	0	0	0	6	2	11	19
Mammalia																						
1.	# Blackbuck	<i>Antilope cervicapra</i>	14	10	23	47	0	0	7	0	0	0	0	0	0	0	0	0	20	15	19	54
2.	Blackbuck (leucistic/white)	<i>Antilope cervicapra</i>	4	3	6	13	0	0	1	0	0	0	0	0	0	0	0	0	4	3	7	14
3.	Indian Bison, Gaur	<i>Bos gaurus</i>	4	2	0	6	1	0	0	0	0	0	0	0	2	0	0	3	2	0	5	
4.	# Indian Jackal	<i>Canis aureus indicus</i>	7	3	5	15	0	0	0	0	0	0	0	0	0	0	0	7	6	2	15	
5.	Jungle Cat	<i>Felis chaus</i>	4	2	0	6	0	0	0	0	0	0	0	0	1	0	0	3	2	0	5	
6.	Chinkara	<i>Gazella bennettii</i>	3	3	1	7	0	0	0	0	0	0	0	0	1	0	0	2	3	1	6	

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2021)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2022)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
7.	Indian Grey Mongoose	<i>Herpestes edwardsi</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
8.	# Indian Hog Deer	<i>Hyelaphus porcinus</i>	2	3	14	19	0	0	2	0	0	0	0	0	0	0	0	0	5	6	10	21
9.	Rhesus Macaque	<i>Macaca mulatta</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
10.	# Honey Badger	<i>Mellivora capensis</i>	3	1	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2
11.	Sloth Bear	<i>Melursus ursinus</i>	8	3	0	11	0	0	0	0	0	0	0	0	2	1	0	6	2	0	8	
12.	Indian Chevrotain, Mouse Deer	<i>Moschiola indica</i>	2	2	2	6	0	0	0	0	0	0	0	0	0	0	0	2	2	2	6	
13.	Asiatic Lion	<i>Panthera leo persica</i>	3	4	0	7	0	0	0	1	0	0	1	0	0	0	0	3	4	0	7	
14.	Leopard	<i>Panthera pardus</i>	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	
15.	Tiger (leucistic/White)	<i>Panthera tigris</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	
16.	Bengal Tiger	<i>Panthera tigris tigris</i>	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6	
17.	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
18.	# Barasingha (Swamp Deer)	<i>Rucervus duvaucelii</i>	1	3	6	10	0	0	0	0	0	0	0	0	0	0	0	3	4	3	10	
19.	Eld's Deer (Brow-antlered Deer)	<i>Rucervus eldii</i>	4	3	4	11	0	0	1	0	0	0	0	0	0	0	0	4	3	5	12	
20.	Bengal Hanuman langur	<i>Semnopithecus entellus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
21.	Four-horned Antelope	<i>Tetracerus quadricornis</i>	5	5	2	12	0	0	0	2	2	0	0	0	0	0	0	7	7	2	16	

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2021)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2022)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
22.	Small Indian Civet	<i>Viverricula indica</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
23.	Fox Common	<i>Vulpes bengalensis</i>	6	4	2	12	0	0	2	0	0	0	1	2	0	0	0	0	5	2	4	11
Total Mammalia	23		83	63	66	212	1	0	13	3	2	0	2	2	0	8	1	0	87	75	56	218
Reptilia																						
1.	Saltwater Crocodile	<i>Crocodylus porosus</i>	2	0	8	10	0	0	0	0	0	0	0	0	0	0	0	0	2	0	8	10
2.	Russell's Viper	<i>Daboia russelii</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
3.	Gharial	<i>Gavialis gangeticus</i>	3	4	0	7	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	7
4.	Spectacled Cobra	<i>Naja naja</i>	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
5.	Indian Softshell Turtle, Ganges Softshell Turtle	<i>Nilssonia gangetica</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
6.	Common Rat Snake	<i>Ptyas mucosa</i>	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
7.	Indian Rock Python	<i>Python molurus</i>	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
8.	Bengal Monitor	<i>Varanus bengalensis</i>	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Total Reptilia	8		5	4	51	60	0	0	0	0	0	0	0	0	0	0	0	5	4	51	60	
Total			94	69	128	291	1	0	13	3	2	0	2	2	0	8	1	0	98	81	118	297

*Animals under Sch-I and Sch-II of Wild Life (Protection) Act, 1972

Curator (Animals)

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PART - B
Kanan Pandari Zoo, Bilaspur, Chhattisgarh

Proforma for Annual Inventory Report
Inventory Report for the Year : 2021-2022

Other than Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2021)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2022)						
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
Aves																									
1.	Fischer's Lovebird	<i>Agapornis fischeri</i>	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2.	# Japanese Quail	<i>Coturnix japonica</i>	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	10
3.	Emu	<i>Dromaius novaehollandiae</i>	3	3	0	6	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3	0	5		
4.	Red Junglefowl	<i>Gallus gallus</i>	4	3	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	7		
5.	Brown Fish Owl	<i>Ketupa zeylonensis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2		
6.	Greater Adjutant Stork	<i>Leptoptilos dubius</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2		
7.	Budgerigar	<i>Melopsittacus undulatus</i>	7	10	18	35	0	0	0	0	0	0	0	0	0	0	0	0	0	7	10	18	35		
8.	Black Kite	<i>Milvus migrans</i>	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7		

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2021)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2022)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
9.	Painted Stork	<i>Mycteria leucocephala</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
10.	Cockatiel	<i>Nymphicus hollandicus</i>	8	11	37	56	0	0	0	0	0	0	0	0	0	0	0	0	8	11	37	56
11.	Great White Pelican	<i>Pelecanus onocrotalus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
12.	Gray Partridge	<i>Perdix perdix</i>	2	3	6	11	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	11
13.	Alexandrine Parakeet	<i>Psittacula eupatria</i>	2	2	2	6	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	6
14.	Rose-ringed Parakeet	<i>Psittacula krameri</i>	3	4	2	9	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	9
15.	Common ostrich, Ostrich	<i>Struthio camelus</i>	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	2
16.	Common Barn Owl	<i>Tyto alba</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Total Aves	16		37	44	86	167	0	0	0	0	1	0	0	0	0	0	1	0	41	50	76	167
Mammalia																						
1.	# Chital/ Spotted Deer	<i>Axis axis</i>	32	23	75	130	0	0	10	0	0	0	22	28	0	0	0	0	43	42	5	90
2.	# Nilgai	<i>Boselaphus tragocamelus</i>	9	4	15	28	0	0	2	0	0	0	0	0	0	0	0	0	9	12	9	30
3.	Sika Deer	<i>Cervus nippon</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4.	Common hippopotamus, Hippopotamus, Large Hippo	<i>Hippopotamus amphibius</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	2
5.	Striped Hyena	<i>Hyaena hyaena</i>	3	1	0	4	0	0	1	0	0	0	0	0	0	0	0	0	3	1	1	5

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2021)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2022)				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
6.	Indian Crested Porcupine	<i>Hystrix indica</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
7.	Indian Muntjac	<i>Muntiacus muntjak</i>	5	6	8	19	0	0	3	0	0	0	3	3	0	0	0	0	0	2	3	11	16
8.	Himalayan Goral	<i>Naemorhedus goral</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
9.	# Sambar Deer	<i>Rusa unicolor</i>	1	5	7	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	4	13
10.	Wild Boar	<i>Sus scrofa</i>	4	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5
Total Mammalia	10		58	46	105	209	0	0	16	0	0	0	25	31	0	0	1	0	68	70	30	168	
Reptilia																							
1.	Common Krait	<i>Bungarus caeruleus</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
2.	Banded Krait	<i>Bungarus fasciatus</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
3.	Indian Star Tortoise	<i>Geochelone elegans</i>	4	4	2	10	0	0	0	0	0	0	0	0	0	0	0	0	4	4	2	10	
4.	Common Sand Boa	<i>Gongylophis conicus</i>	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Total Reptilia	4		4	4	14	22	0	0	0	0	0	0	0	0	0	0	0	0	4	4	14	22	
Total			99	94	205	398	0	0	16	0	1	0	25	31	0	1	1	0	113	124	120	357	
Grand Total			193	163	333	689	1	0	29	3	3	0	27	33	0	9	2	0	211	205	238	654	

Curator (Animals)

27. Mortality of Animals: -

S.No	Animal name (With individual identification mark, if any)	Scientific name	Sex	Date of Death	Reason of Death as per the Postmortem report
1	Indian Bison	Bos gaurus	Male	17/06/2021	Respiratory trouble
2	Indian Bison	Bos gaurus	Male	30/07/2021	Cardiac failure
3	Jungle cat	Felis chaus	Male	12/10/2021	Old age.
4	Chinkara	Gazella bennettii	Male	10/12/2021	Infighting.
5	Honey Badger	Mellivoracapensis	Male	03/12/2021	Respiratory collapse
6	Honey Badger	Mellivoracapensis	Male	30/12/2021	Infighting.
7	Emu	Dromaius novaehollandiae	Male	10/02/2022	Infighting.
8	Common Hippopotamus	Hippopotamus amphibius	Female	12/02/2022	Cardiorespiratory failure
9	Sloth Bear	Melurusus ursinus	Male	26/02/2022	Pneumonia
10	Sloth Bear	Melurusus ursinus	Male	10/03/2022	Infectious canine Hepatitis
11	Sloth Bear	Melurusus ursinus	Female	25/03/2022	Infectious canine Hepatitis

28. Compliance with Condition Stipulated by the Central Zoo Authority

S.No.	Norm No. under RZR	Condition	Time Period to Comply	Action taken
2. Administrative and staffing pattern:				
1	10.2(2)	post of the Education officer and the Biologist Should be filled up immediately.	One year	Recruitment to be done by Government
2	10.5(6)	minimum time for the Veterinarian to reach the zoo is 40 minutes The Veterinarian Should stay in proximity to the zoo.	Immediately	The veterinary doctor now lives closer to the zoo. He reaches the zoo within fifteen minutes
3. Development and Planning:				
3	10.3(1)	Master plan for long-tera development of the zoo should be prepared and submitted for consideration of the Central Zoo Authority.	Immediately	The master plan is being revised and under preparation. The final master plan with all compliances

				would be submitted before December 2022
4. Animal housing, display of animals and animal enclosures :				
4	10.4(2)	Enclosure for snakes is not as per specification of the CZA Corrective action should be taken up by the zoo.	Immediately	New snake park would be developed once other priority development works are completed. Currently no major renovation being done in the existing snake park as completely new infrastructure needs to be created later
5	10.4(3)	Chain link fence of the enclosure housing Rosy Pelican is old and rusty it should be replaced.	Immediately	The chain link has been replaced
6	10.4(8)	Enclosure housing Asiatic Lion, Bengal Tiger, Common Leopard and Indian Bison respectively were constructed without approval of design from the CZA Design should be submitted to the CZA for approval post-facto.	Immediately	Will be submitted by the end of August 2022
7	10.4(9)	Standoff barrier at all enclosures housing carnivores should be modified as per the prescribed standard.	Immediately	Standoff barrier has been modified
8	10.4(10)	Display boards at animal enclosures are in very bad condition they should be improved signage of all animal enclosures should be properly designed with more information in attractive manner.	Three months	New display boards have been put up
9	10.4(10)	Interpretation facility in the zoo should be improved.	Immediately	Will be improved gradually
5. Upkeep and healthcare of animals:				
10	10.5(3)	Provision for ventilation in the food store should be covered with mesh to avert entry of rats and pests.	Immediately	This point has been complied with

11	10.5(3)	Freezer of appropriate size should be provided in the meat processing facility of the zoo for storage.	Immediately	Not yet complied with. This point will be complied with in future
12	10.5(5)	Provision of footbath of adequate size with appropriate disinfectant should be ensured at entry and exit points of animal houses, meat processing facility, post-mortem room and kitchen respectively.	Three months	This point has been complied with
13	10.5(5)	Drainage system in the zoo should be covered. Few open drains present in the zoo should be closed.	Three months	Not complied. Will be complied at the earliest
14	10.5(5)	Open drain at the meat processing facility in the zoo should be covered and CCTV camera should be installed.	Immediately	This point has been complied with
15	10.5(6)	Training should be provided to the zoo personnel in various aspects of general behaviour and health parameters of captive animals and handling of captive animals.	Immediately	This point has been complied with
16	10.5(10) & 10.9 (8)	Animal History Card and stud-book should be maintained in prescribed form.	Immediately	This point has been complied with
6. Veterinary and infrastructure facilities:				
17	10.6(1)	The veterinary facilities appropriate to the size and type of the animal collection of the zoo should be ensured. Procurement of diagnostic tools such as Ultrasound machine and Blood analyser may be considered subject to availability of adequate technically qualified manpower to operate and use the same.	Immediately	Purchase of Blood Analyser has been proposed in APO submitted to CZA
18	10.6 (1)	X-ray machine in the Zoo Hospital is not functioning. It should be made functional at the earliest possible time. Oxygen cylinder should be kept properly. Disposed medicine register to be maintained immediately. Refrigerator should be provided in the Zoo Hospital for storage of snake anti-venom and other important medicines. Diet chart of animals should be displayed in the Zoo Hospital.	Immediately	Purchase of X-ray machine has been proposed in APO submitted to CZA
19	10.6 (1) & 10.6 (2)	Transponders for animal ID, Transponder reader, ultra-low freezer (-70 C) for serum banking and diagnostic samples, Ophthalmoscope and Otoscope respectively should be procured by the zoo subject to availability of adequate qualified manpower to operate and use the same.	Immediately	Transponder ID and reader, Ophthalmoscope and Otoscope has been purchased. Ultra-deep freezer will be purchased later

20	10.6 (1)	Dedicated refrigerator should be procured for storage of chemical restraint drugs.	six months	Dedicated refrigerator for chemical restraint drug and vaccines is available
21	10.6 (2)	At present in Zoo no trained official is available to handle tranquilizing gun Appropriate action should be taken on priority.	Immediately	Veterinary doctor and two zoo keepers are well trained in handling tranquilizer gun
22	10.6 (3)	Suitable arrangement should be made in the post-mortem room for storage of equipment.	Immediately	This point has been complied with
23	10.6 (5)	One Compounder should be appointed in the zoo as Veterinary support staff.	One year	Recruitment to be done by Government
24	10.6 (6)	Training in equipment use and animal restraint techniques including handling of drugs and management of human emergencies should be provided to the newly appointed Veterinarian.	One year	This has been complied with. The new doctor has been trained in the areas mentioned and has the ability to work independently
25	10.6 (6)	The zoo should explore MoU with eminent institutions and organizations working in the field of wild animal healthcare to fulfil objectives specified in the Recognition of Zoo Rules 2009	One year	The zoo administration will pursue to tie up with eminent institutions to fulfil the purpose of the Zoo
9. Acquisition and breeding of animals:				
26	10.9 (4)	Self-sustaining population of species should be developed in case of Ostrich and Goral singly housed in the zoo.	Immediately	A male ostrich has been translocated from Ranchi Zoo on 17/11/2021 to provide a mating pair with the existing female ostrich. A pair of male and female goral were brought

				from Delhi Zoo on 21/03/21
27	10.9 (8)	Stud book is not maintained. It should be maintained.	Three months	This point has been complied with
28	10.9 (9)	Excess number of Blackbuck, Nilgai and Chital respectively are housed in the zoo Surplus stock should be disposed by the zoo in accordance with norms and the Animal Collection Plan.	Three months	Proposal for translocation of Nilgai to Gurughasidas National Park and Chital to Achanakmar Tiger Reserve is pending with State Government.
29	10.9 (10)	The Disaster Plan of the Zoo should be corrected suitably and the Plan should be displayed in the zoo.	Three months	A new disaster plan would be incorporated in the master plan being prepared
30	10.9 (11)	Any release of surplus captive animals into the wild should be as pre norms specified by the Central Zoo Authority.	As applicable	The release of excess chital into Achanakmar Tiger Reserve, Gurughasidas National Park and Tamor Pingla sanctuary followed the norms established by CZA
10. Research activities:				
31	10.1	Research Plan should be proposed by the zoo as part of the Master Plan and submitted for consideration of the Central Zoo Authority.	Immediately	A research plan would be incorporated in the master plan being prepared

32	10.12 (1)	Alarm and alert system should be installed in the zoo.	Immediately	Not yet complied with. This point will be complied with in future
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29. List of free-living wild animals within the zoo premises: -

Mammals: Langur (*Semnopithecus entellus*)

Birds: Common crow, Black Kite, Myna, Shikra, Parakeets, Indian Roller, Indian robin

Reptiles: Rat Snake, Banded krait, Common krait, Common cobra



Director,

Achanakmar Amarkantak Biosphere reserve &
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Bilaspur (C.G.)