



ANNUAL REPORT

FOR THE YEAR

2021 - 22

BONDLA ZOO, GOA



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01. REPORT OF THE OFFICER IN-CHARGE

Bondla Wildlife Sanctuary with an area of 7.95 Sq.Km. is an area of outstanding natural beauty within the Sanctuary, is a small Zoo houses wild animals mostly found in Western Ghats region a part of Goa State.

This Annual Report gives in brief various events and activities undertaken in the Zoo during the year gone by. There has been a steady increase in visitors patronage to the Zoo in the past years and it is an encouraging sign and hope will enthuse more no. of visitors towards preservation and protection of wildlife.

Bondla establishments have made more efforts to bring in a large numbers of students from schools and colleges from fringes for nature awareness and wildlife appreciation camps in the Zoo.

A structure pattern of vaccination and medication of the inmates has been put in places. Ambitious plans are on the anvil to repair and construct enclosures in the coming year, so that the importance of Bondla Zoo as a centre of Wildlife Education & Recreation as well as a prime tourist attraction in the state of Goa gives up few notches higher.

(Jabestin A., IFS)
Dy. Conservator of Forests,
Wildlife & Eco-tourism (N)

01. HISTORY OF THE ZOO

The Bondla Zoo is the only Zoological Park present in the State of Goa. As per the records, the Zoo was set up way back to the year 1969 when an Animal Rescue Centre of Forest department was established at Bondla with the objective of rescue, recuperation and rehabilitation of wildlife in Goa. Later, as the number of rescued wild animals increased and thus further needed the handling and house keeping of rescued animals in more scientific manner giving it the shape of Zoo. Almost after a four decades in the year, Bondla zoo was accorded the status of 'Small Zoo' by the Central Zoo Authority.

02. VISION

- i) To develop the zoo as a centre for housing and display of the diverse and endangered animals and birds with emphasis on fauna belonging to the Konkan and Western ghats region considering the climatic condition suited to them.
- ii) To provide an excellent visitor experience.
- iii) To facilitate scientific management of the inmates.

03. MISSION

To achieve the distinction of being recognized as an outstanding zoo in the region; in the field of wildlife conservation, awareness, education and research by connecting people to wildlife and biodiversity conservation in Konkan region of Western ghats.

04. OBJECTIVE

- i) To promote Conservation breeding of different species found in the region with emphasis on endangered species like Gaur for preservation of faunal bio-diversity, encouraging animal exchange with other zoological parks and rehabilitation of rescued species in the wild with strict adherence to the guidelines and protocols.
- ii) To encourage education and experiences of local visitors and tourists to excite and inspire them to become environmentally responsible and take home messages about the Conservation needs in the face of accelerating loss of biodiversity.
- iii) To facilitate research and scientific study on animal behavior, enrichment, food, Nutrition
and reproductive biology by experts, researchers on captive animals and birds.
- iv) To ensure modern and spacious housing of captive animals and birds with special emphasis on animal welfare, health care, ethical standards and excellence in standards of animal husbandry with emphasis on enclosure enrichments.

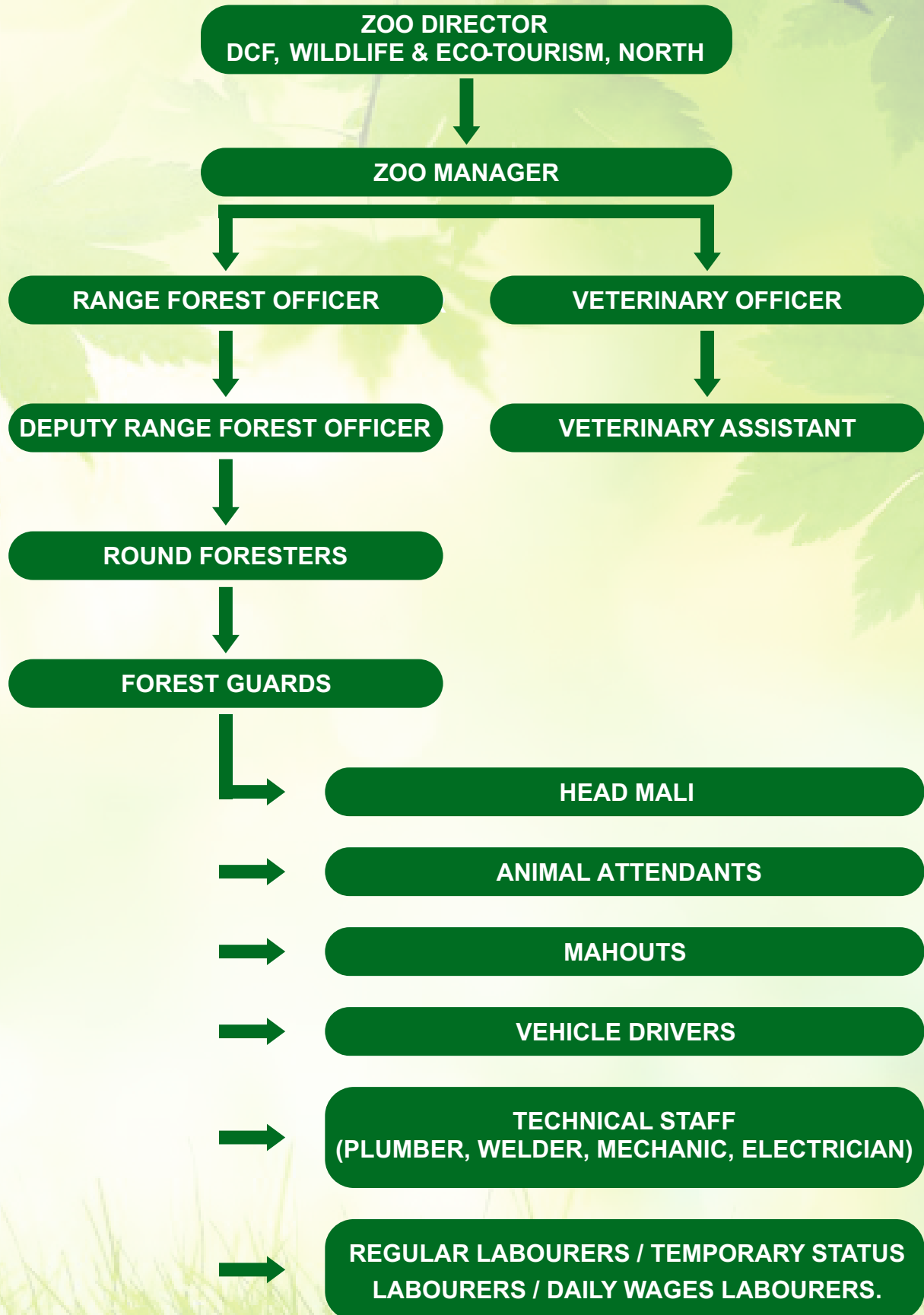
06. ABOUT US

Sr. No.	Particulars	Information
Basic Information about the Zoo		
1.	Name of the Zoo	Bondla Zoo, Goa
2.	Year of Establishment	1969
3.	Address of the Zoo	Bondla Usgao, North Goa 403407
4.	State	Goa
5.	Telephone Number	--
6.	Fax Number	
7.	E-mail address	dcfwlnorth-forest.goa@nic.in rfobondla@gmail.com
8.	Website	--
9.	Distance from nearest	Airport: Dabolim Airport is 50 kms from Bondla.
		Railway Station: Alight at Margao Junction Railway Station. Margao is 42 kms from Bondla.
		Bus Stand: All buses using the National Highway 4A connecting Panaji to Belgaum pass through Tisk Usgao. There are no direct buses to Bondla. Auto-rickshaws or taxis can be taken from here. Nearest town Ponda is 24 kms away.
10.	Recognition Valid upto (Date)	8 th March 2023
11.	Category of Zoo	Small Zoo
12.	Area (in Hectares)	30 Hectares
13.	Number of visitors (Financial Year 2021-22)	<u>Indian</u> Adult: 29490 Nos. Children: 5238 Nos.
		<u>Foreigners</u> Adults: 0 Child: 0
		Free Entry: 78 Nos. (School and College study trips)
		Total Visitors: 36023 Nos.

14.	Visitors Facilities Available in Zoo	<p>The Zoo provides basic visitor amenities like Resting shed, Public toilet, Canteen and Restaurant facilities in close vicinity. Main attraction for the visitors is the lawns and children play area.</p> <p>The canteen caters for non-alcoholic beverage, snacks, mineral water etc.</p> <p>The Restaurant provides breakfast, veg. and non-veg. meals on order.</p> <p>The vicinity of Zoo has spacious parking place and no parking fee is required to be paid. Physically disabled persons can avail wheel chair facility. Drinking water is provided in the Zoo.</p> <p>Bondla has collection of a large number of herbs, shrubs, flowering plants and ornamental plants. The visitors walk through the lush greenery and feel refreshed.</p> <p>Apart from the Zoo, there are Eco-cottages and Dormitories which are given to visitors on rent basis. The rents for accommodation are as under:</p> <p>Tourist cottages single occupancy – Rs.700/- (double occupancy) (Two adults & only a child below 12 years is allowed) –Rs.1000/-</p> <p>Extra charges for additional person –Rs.200/-</p> <p>Dormitory per bed (one person) –Rs.200/-</p> <p>Dormitory per bed (Students on educational tour) –Rs.100/-.</p> <p>Entry Fee</p> <p>Child/Students – Rs.10/-</p> <p>Zoo : Adults –Rs.50/-</p> <p>Sanctuary : Adults – Rs.20/-</p> <p>Motor Cycle/Scooter – Rs.25/-</p> <p>Three Wheelers – Rs.40/-.</p> <p>Car/4 Wheelers – Rs.75/-</p> <p>Stilt Camera – Rs.30/-</p> <p>Bus/ Truck- Rs.150/-</p> <p>Video camera 8mm Handy Cam – Rs.150/-</p> <p>Video Camera for filming Documentary/Advertisement etc. 16 mm & above – Rs.7500/- per day per camera.</p>
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15.	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16.	Name with designation of the Officer in charge	Shri. Jabestin A., IFS) Dy. Conservator of Forests.
	Name of the Veterinary Officer	Dr. Loveleen M. Vaz (Additional Charge)
	Name of the Curator/Zoo Manager	Shri Paresh Porob
	Name of Asst. Curator/Range Forest Officer	Shri Sangam Gawas
	Name of the Education Officer	--
	Name of the Compounder/Lab Assistant	--
Owner/ Operator of the Zoo		
17.	Name of the Operator	Director/Dy. Conservator of Forests, Wildlife & Eco-Tourism (North) Division, Panaji-Goa
18.	Address of the Operator	Dy. Conservator of Forests, Wildlife & Eco-Tourism (North) Division , Panaji-Goa
19.	Contact details/ Phone number of Operator	0832-2229701 (Office)
20.	E-mail address of Operator	dcfwlnorth-forest.goa@nic.in

07. ORGANIZATION CHART



08. HUMAN RESOURCES

MANPOWER OF THE ZOO 2021-22

Sr. No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Zoo Manager	01	Paresh Porob
2	Range Forest Officer	01	Sangam Gawas
3	Veterinary Assistant	01	Pravesh P. Naik
4	Round Forester	02	Suresh Khandeparkar Neetisha Varak
5		04	Anand Surve Lalsa Tumbagi Pandurang Gawde Vishnu Gawas
6	Forest Guard	02	Ramnath S. Mhalshekar Adam Khan Nitesh Varak Gulshan Naik Pragati Sawant Vaman Pilyekar Ramdas Kevankar Jailesh Gaonkar
7	Animal Attendant	01	Ram Gaonkar
8	Mahout	04	Duming Fernandes Mahabaleshwar Naik Noor Makandar Mohammed Afroz
9	Regular Labourer	22	Vishwanath S. Sangodkar Dyaneshwar G. Usgaonkar Chandrakant Aikar Nagesh B Khandeparkar Vishwanath sangodkar Ashok K Naik Keshav Gaude Vinayak Falkar Rajendra C Naik Sugandha S Gaonkar Sulbha Gaonkar Vishanti Falkar Priyanka Gaude Damodar Gaonkar Vishwas L Naik Shantaram Gawas Pandurang Gawas Netra Nanshikar

		Roshan Gawde
		Prema Ratate
		Vasanti Dessai
		Manohar Gaude
10	Temporary Status Labourer	19
		Mrs. Sumitra Gawde
		Shri. Ramesh Y. Gawde
		Shri. Devidas Gawas
		Shri. Suhas Gaonkar
		Shri. Vilas Gaude
		Shri. Uddesh Gaonkar
		Shri. Ramakant Borkar
		Shri. Vishram Nansekar
		Shri. Kishor Gawde
		Shri. Sarvesh Naik
		Shri. Siman Fernandes
		Shri. Arun Gaonkar
		Shri. Manohar Naik
		Shri. Vinod Bavkar
		Shri. Santosh Gaonkar
		Mrs. Deepa Bavkar
		Shri. Vishwas A. Rane
		Shri. Raghunath Gawas
		Shri. Kanta Gaonkar
12	Daily Wage Labourer	62
		Prashant K Gawde
		Ranganath Gawde
		Kamalakant Gawde alias
		Tanvi Gawde
		Prashanti Gawde
		Ajit Palkar
		Anand Melekar
		Gurudas Gawde
		Kalidas Gawde
		Sanjay S Gawde
		Krushna Sawant
		Pragati Morlekar
		Aarati A. Naik
		Devidas V. Gawas
		Satin Gosavi
		Upaso Gaonkar
		Anand Melekar
		Krishna P. Gaonkar
		Babani Morlekar
		Milan Naik alias
		Rajeshree K. Naik

	Lalita Sakhalkar
	Raghalo K. Gaonkar
	Shashikala Gaonkar
	Suresh S. Melekar
	Premanand T. Gawade
	Ramdas Gawas
	Shubham S Mauskar
	Naresh N. Naik
	Hitesh V. Gaonkar
	Sadanand Gaonkar
	Rupesh P. Tari
	Santosh I. Bayekar
	Manoj S Gaonkar
	Gokuldas G. Naik
	Vighnesh S Naik
	Sudhan Naik
	Vishal S. Turi
	Yoganand K. Mulgaonkar
	Ganesh Mhalshekar
	Kamalakant Salelkar
	Shrinivesh Kerkar
	Deepratna Bhosle
	Kedar K. Naik
	Sachin C Velgekar
	Pritesh R. Araundekar
	Aarati A. Naik
	Devidas V. Gawas
	Satin Gosavi
	Upaso Gaonkar
	Anand Melekar
	Krishna P. Gaonkar
	Babani Morlekar
	Milan Naik alias Rajeshree K. Naik
	Lalita Sakhalkar
	Raghalo K. Gaonkar
	Shashikala Gaonkar
	Suresh S. Melekar
	Premanand T. Gawade
	Ramdas Gawas
	Shubham S Mauskar
	Naresh N. Naik
	Hitesh V. Gaonkar
	Sadanand Gaonkar

	Rupesh P. Tari
	Santosh I. Bayekar
	Manoj S Gaonkar
	Gokuldas G. Naik
	Vighnesh S Naik
	Sudhan Naik
	Vishal S. Turi
	Yoganand K. Mulgaonkar
	Ganesh Mhalshekar
	Kamalakant Salelkar
	Shrinivesh Kerkar
	Deepratna Bhosle
	Kedar K. Naik
	Sachin C Velgekar
	Pritesh R. Araundekar
	Dayanand T. Ambeshkar
	Vishwanath Gawas
	Shravan S. Pilyekar
	Mahesh Gaude
	Umeta U. Salgaonkar
	Sachin B. Gaonkar
	Siddhesh Surlikar
	Sarvesh A. Prabhu
	Vishal T. Naik
	Mahammad S.D. Khawas
	Vasudev Prabhu
	Hanumant Prabhu
	Vishnudas Prabhu
	Kishor Sawant
	Kalpana K Satarkar
	Krishna D. Gaonkar
	Bindiya B. Verekar

09. CAPACITY BUILDING OF ZOO PERSONNEL

Sr. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	RF (2), FG(5).	Ethical wildlife Rescue	26/02/21	Bondla Zoo

10. Zoo Advisory Committee –

- Date of constitution
- Members
- Dates on which Meetings held during the year

Being a small Zoo, State has not Constituted this Committee

11. Health Advisory Committee –

- Date of constitution
- Members
- Dates on which Meetings held during the year

Being a small Zoo, State has not Constituted this Committee

12. Statement of income and expenditure of the Zoo (2021-2022)

REVENUE

Sr. No.	Category	Amount
1	Entrance gate fees for Zoo	23,69,500.00
	Total	₹ 23,69,500.00

EXPENDITURE

Sr. No.	Items	Amount
1	Milk	10,088
2	Fish	15,800
3	Fruits	3,17,012
4	Eggs	20,235
5	Broiler chicken	2,31,692
6	Vegetables	11,05,312
7	Beef	9,49,153
8	Cattle feed (High protein mesh)	10,60,899
9	Goa Bagayatdar feed (Rice, Jaggery, Green peas etc.)	2,21,316
10	Other feed (Curd, Lemon, Maize fodder, sunflower seeds, Honey, Emu feed etc)	1,45,774
11	Zoo medicines	42,357
12	Miscellaneous expenditure	2,81,582
13	Wages	45,54,160
	Total	89,55,380

13. DAILY FEED SCHEDULE OF ANIMALS

Sr. No.	Species	Feed item	Quantity	Day of fasting
1	Leopard (05 individuals)	Beef	07	Monday
	Julie, Richie & Cherry	Chicken	02	
	Anjali, Mandu			
	Additional once a week			
2	Jackal (02 individuals)	Beef Bones	0.5 kgs	Monday
3	Jungle Cat (02)	Chicken	0.5 kgs	Monday
4	Civet Cat (04)	Beef	0.5 kgs	Monday (Partial due to Geriatricity)
		Mixed fruit	01 kgs	
		Bananas	04 nos	
5	Snakes(23)	Country eggs	01 egg each once in 15 days for certain spices/as advised	Monday
		White rates	01 egg each once in 15 days for certain spices/as advised	
6	King Cobra(02)	Live rat snakes	01 in no each once in 15 days / as advised	Monday
7	Rock Python (20)	Live chicken	01 no each once in 15 days	Monday
8	Crocodile(mugger 04)	Beef	1.5 kg once weekly or twice	Monday
9	Wild boar (24)	High protein mesh	19 kgs	Monday
		Green peace	370 gms.	
		Gram Vegetables	370 gms. Extra leaves/stock as available.	
10	Spectacled caiman (02)	Beef	1.5 kg in one tank per day	Monday
11	Peasants/ Cocotails (17)	Eggs	02 nos	Monday
		Moog	0.2 kg	

		Wheat	0.1 kg	
		Bajri Jawor Mixed vegetables Mixed fruit Sunflower seeds Melates	250 grms 350 grms 02 kgs 0.5 kgs 100 grms 150 grms	Monday
12	Sloth bear (01)	Rice	1.5 kgs	Monday
		Rawa sooji Jaggery Milk Eggs Coconut Ground nut Honey Mixed fruit Banana	01 kg 1.5 kg 0.5 litres 04 nos 01 nos 250 grms 180 ml 1.5 kg 06 nos	
13	Peafowl (03)	Vegetables Bajri Jawor	2.5 kg 250 grms 350 grms	Monday
14	Parakeet (06)	Vegetables Banana Gram Green pea gram Sunflower seeds	0.5 kg 5 nos 370 grms 370 grms 100 grms	Monday
15	Geese (02)	Gruel / pez vegetables	02 litres 0.5 kg	Monday
16	Emu (06)	Vegetables Emu feed Banana	8.5 kg 02 kg 04 nos	Monday
17	Porcupine	Vegetables Banana Mixed fruit Gram Green pea gram Mulnyo (Alternate days)	04 kg 05 nos 02 kg 370 grms 370 grms 01 kg	Monday
18	Gaur (09)	High protein mesh Green fodder/ Maize Jaggery Green piece Gram	40 kg 230 kg 01 kg 370gms 370 grms	Monday
19	Spotted deer	High protein Mesh Green fodder	04 kg 35 kg 09 kg	Monday

		Vegetables		
20	Four horned Antelope	High protein Mesh Green fodder Vegetables	01 Kg 10 kg 04 kg	Monday
21	Sambar (26)	High protein Mesh Green fodder Vegetables	10 kg 110 kg 18.5 kg	Monday
22	Black Buck (12)	High protein Mesh Green fodder Vegetables	06 kg 45 kg 11 kg	
23	Barking deer (01)	High protein Mesh Green fodder Vegetables	0.5 kg 2 kg 0.5 kg	
24	Deer park (Sanctuary)	High protein Mesh	31 kg	

14. VACCINATION SCHEDULE OF ANIMALS

NAME OF ANIMAL	SPECIES	SEX	DATE	VACCINE
MANDU	LEOPARD	MALE	17/8/2021	Feligen – CRP (Feline Calicivirus, Rhinotracheitis virus, Panleukopenia virus)
				Anti-Rabies (Nobivac Rabies)
ANJALI	LEOPARD	FEMALE	11/8/2021	Feligen – CRP (Feline Calicivirus, Rhinotracheitis virus, Panleukopenia virus)
				Anti-Rabies (Nobivac Rabies)
JULIE	LEOPARD	FEMALE		Feligen – CRP (Feline Calicivirus, Rhinotracheitis virus, Panleukopenia virus)

			06/08/2021	Anti-Rabies (Nobivac Rabies)
RICHIE	LEOPARD	MALE	24/08/2021	Feligen – CRP (Feline Calicivirus, Rhinothacheitis virus, Panleukopenia virus)
				Anti-Rabies (Nobivac Rabies)
CHERRY	LEOPARD	FEMALE	17/08/2021	Feligen – CRP (Feline Calicivirus, Rhinothacheitis virus, Panleukopenia virus)
				Anti-Rabies (Nobivac Rabies)
--	JACKAL	MALE	11/08/2021	Canine Vanguard 514 (Canine Distemper- Adenovirus Type 2- Parainfluenza- Parvovirus, LeptospiraCanicola- Grippotyphosa- Ictohemorrhagiae- Pomona Bacterin)
				Anti-Rabies (Nobivac Rabies)

15. HEALTH CHECK-UP OF EMPLOYEES FOR ZONOTIC DISEASES

Sr. No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Ram V. Gaonkar	Animal Attendant	24/03/22	Fit
2	Dumingo J. Fernandes	Mahout	24/03/22	Fit
3	Mahabaleshwar V. Naik	Mahout	24/03/22	Fit

4	Mohammed Afroz	Mahout	24/03/22	Fit
5	Noor A. Makandar	Mahout	24/03/22	Fit
6	Dynaneshwar G. Usgaonkar	Regular Labourer	24/03/22	Fit
7	Vishwanath S. Sangodkar	Regular Labourer	24/03/22	Fit
8	Rajendra C. Naik	Regular Labourer	24/03/22	Fit
9	Manohar A. Gaude	Regular Labourer	24/03/22	Fit
10	Damodar R. Gaonkar	Regular Labourer	24/03/22	Fit
11	Sugandha S. Gaonkar	Regular Labourer	24/03/22	Fit
12	Chandrakant Aikar	Regular Labourer	24/03/22	Fit
13	Vishram V. Nansekar	T.S.L.	24/03/22	Fit
14	Siman A. Fernandes	T.S.L.	24/03/22	Fit
15	Santosh L. Gaonkar	T.S.L.	24/03/22	Fit
16	Raghunath M. Gawas	T.S.L.	24/03/22	Fit
17	Ramakant V. Borkar	T.S.L.	24/03/22	Fit
18	Ramesh Y. Gawde	T.S.L.	24/03/22	Fit
19	Kavita V. Nansekar	D.W.L.	24/03/22	Fit
20	Tanvi Gawde	D.W.L.	24/03/22	Fit
21	Ajit H. Palkar	D.W.L.	24/03/22	Fit
22	Siddhesh Surlikar	D.W.L.	24/03/22	Fit
23	Upaso C. Gaonkar	D.W.L.	24/03/22	Fit
24	Anand Melekar	D.W.L.	24/03/22	Fit
25	Vishwanath Gawas	D.W.L.	24/03/22	Fit
26	Ranganath G. Gaude	D.W.L.	24/03/22	Fit
27	Satin S. Gosavi	D.W.L.	24/03/22	Fit
28	Kamalakant S. Gaude	D.W.L.	24/03/22	Fit
29	Mahesh S. Gawde	D.W.L.	24/03/22	Fit
30	Devidas Gawas	D.W.L.	24/03/22	Fit

16. DEVELOPMENT WORKS CARRIED OUT IN THE ZOO DURING THE YEAR 2021-2022.

Sr. No.	Name of Works
1	Developing of peafowl enclosure at Bondla Zoo.
2	Developing of enclosure for Civet Cat enclosure at Bondla Zoo
3	Developing of enclosure for lesser Cat enclosure at Bondla Zoo
4	Developing of enclosure for Emu enclosure at Bondla Zoo
5	Erection of enclosure moat for Four Horned Antelope at Bondla Zoo
6	Developing of Pathways near Porcupine Enclosure at Bondla Zoo
7	Fixing of Galvulium roofing sheets for Sloth bear Night Enclosure at Bondla Zoo
8	Providing and fixing of PVC board cabinet and table for new Equipment Room at Bondla
9	Construction of Visitors Pathway for Four Horned Antelope Enclosure Bondla Zoo
10	Construction of retaining Wall for Gaur enclosure at Bondla Zoo
11	Construction of additional retaining Wall for Gaur enclosure at Bondla Zoo
12	Providing Shed in front of Store and Gowdown at Bondla Zoo
13	Exstention room for Nature Education Centre (NEC) at Bondla
14	Providing Toilet Facility for Nature Education Centre (NEC) at Bondla
15	Construction of Moated enclosure for Barking Deer at Bondla Zoo
16	Construction of Visitors Pathway for Gaur Enclosure to Tiger Night Shelter Bondla Zoo
17	Construction of Visitors Pathway for Tiger Night Shelter to King Cobra Enclosure at Bondla Zoo
18	Construction of Ramp for leopard enclosure at Bondla Zoo
19	Providing and fixing toughened glass for view point of leopard enclosure
20	Construction of base foundation for viewing point for tiger enclosure at bondla Zoo

17. EDUCATION AND AWARENESS PROGRAMMES DURING THE YEAR 2021-2022

Sr. No.	Events	Numbers of participants
1	Week long awareness ativities focused on Gaur at Bondla Zoo on 08/04/2021.	31
2	Week long awareness program focus on Gaur at Bondla zoo on 09/04/2021.	23
3	Week long awareness program on Gaur at Bondla on 10/04/2022	42
4	Farmers Meet Atmanirbhar Bharat, Swayampurna Goa on 08/10/2021	38

5	Awareness program fodder cultivation in Guleli panchayat on 08/10/2021	13
6	Health camp for Frontline workers of Bondla wildlife Sanctuary & Zoological park on 24/03/2022	58

18. IMPORTANT EVENTS AND HAPPENINGS

- ❖ Organized Nature awareness camps for school students at Bondla Zoo.
- ❖ Valedictory function of Wildlife Week, 2021.

19. SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

- ❖ Provided Water-sprinkler in Gaur, Leopard, Sloth bear, King Cobra and Four Horned Antelope Enclosures to regulate body temperature and provide conducive environment to combat soaring temperatures during Summer Season.
- ❖ Additional Fan arrangement in King Cobra and Leopard Enclosures for cooling environment during Summer Season.
- ❖ Provision of Water-holding fruits like Watermelon etc. and juicy Vegetables like Cucumber etc. during Summer Season.
- ❖ Provision of shed net covering, dry hay, and gunny bags etc. in winter season for warmth and heat regulation.
- ❖ Change in diet according to Seasonal availability of local fruits and vegetables to all Zoo animals.
- ❖ Provision of salt-licks in herbivores; to increase thirst and water consumption during Winter Season.
- ❖ Inclusion of Sugarcane, Maize fodder etc. during Seasonal availability in Zoo herbivores.
- ❖ Erection of dry bamboo matting to snake house.

20. RESEARCH WORK CARRIED OUT AND PUBLICATIONS

No research activities were carried out during year 2020-2021.

21. CONSERVATION BREEDING PROGRAMME OF THE ZOO

Bondla Zoo has been identified as the Participating Zoo for Breeding of Indian Gaur by CZA from the year 2007 and all individuals being housed at Bondla have been registered in the National Studbook by CZAI.

22. ANIMAL ACQUISITION/ TRANSFER/ EXCHANGE DURING THE YEAR 2020 2021

A. Animals arriving in the Zoo					
H. No.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
NIL					
B. Animals going from the zoo					
H. No.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	
NIL					

23. RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO IN YEAR 2021-2022.

Sr. No	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of Report to the CWLW/CZA	Action taken	
					Date and place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	07.04.2021	Crocodile	Handed over by RFO, Collem-Goa on 07.04.2021.			Handed over to RFO Collem on 07.4.2021 after necessary medical treatment
2	16.05.2021	Spectacled Cobra	Chandrakant Morlekar, Dhamse, Valpoi-Goa		Bondla WLS on 17.5.2021	
3	19.05.2021	Sand Boa	Prashant Tilve, Ganjem, UsgaoGoa		Bondla WLS on 20.5.2021	

4	16.06.2021	Water Snake	Ramdas Kevankar, Sacorda, Dharbandora-Goa		Bondla WLS on 17.6.2021	
5	18.06.2021	Indian Rock Python	Satish Naik, Padeli, Sattari-Goa.		Bondla WLS on 19.6.2021	
6	29.06.2021	Civet Cat	Benhail, Antao, Margao-Goa.			Kept in Rescue centre Bondla for observation.
7	06.07.2021	Jackal	Handed over by Range Forest Officer, Ponda-Goa on 06.07.2021.			Kept in Rescue centre Bondla for observation.
8	26.07.2021	Indian Rock Python	Vishant Nabar, Guleli, Sattari-Goa		Bondla WLS on 28.7.21	
9	31.07.2021	Indian Rat Snake	Prabhakar Gaonkar, Conquirem Sattari-Goa.		Bondla WLS on 31.7.21	
10	02.08.2021	Indian Rock Python	Premnath Gawde, Paikul, Sattari-Goa on 02.08.2021		Bondla WLS on 04.8.21	
11	28.08.2021	Sambar	Handed over by Range Forest Officer, Ponda-Goa on 28.08.2021.		Bondla WLS on 31.8.21	

12	11.09.2021	Crocodile	Handed over by Range Forest Officer, Wildlife, Campal on 11.09.2021.		Bondla WLS on 21.9.21	
13	25.09.2021	Barn Owl	Vaisakh Naik, Ponda Goa on 25.09.2021		Bondla WLS on 25.9.21	
14	25.09.2021	Brahminy Kite	Vaisakh Naik, Ponda Goa on 25.09.2021		Bondla WLS on 25.9.21	
15	29.09.2021	Civet Cat	Benhail, Antao, Margao-Goa on 29.09.2021		Bondla WLS on 30.9.21	
16	12/12/2021	Cobra Snake	Guleli Sattari		Bondla WLS on 13.12.21	
17	26/12/2021	Cobra Snake	Ganjem Goa		Bondla WLS on 27.12.21	
18	01/12/2021	Crocodile	Uspa Goa			Handed over to Pernem Range after treatment for release on 6.12.21
19	20/12/2021	Owl	Sanquelim Goa			----
20	04.02.2022	Common Langur	Handed over by Range Forest Officer, Collem Range, Dharbandora on 04.02.2022			Carcass of Common Langur was handed over to Collem Ranfe on 15.2.22

21	09.02.2022	Indian Rock Python	Krishna Gaonkar, Murrmunem Sattari-Goa.		Bondla WLS on 09.02.22	
22	21.02.2022	Common Cobra	Anil Melekar, Paikul Sattari, Goa		Bondla WLS on 21.02.22	
23	08.03.2022	Cat Snake	Milind Dessai, Paikul		Bondla WLS on 08.02.22	
24	12.03.2022	Cobra	Prasad Gawde Nanus , Usgao -Goa		Bondla WLS on 12.03.22	
25	27.03.2022	Sand Boa	Umesh Madkaikar, Nanus Usgao Goa		Bondla WLS on 28.3.22	

24. ANNUAL INVENTORY OF ANIMALS

FORM – II PART – A

Performa for Annual Inventory Report Inventory Report for the Year: 2021 to 2022

Endangered Species*

SR NO	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01/4/2021			BIRTHS			ACQUISITIONS			DISPOSALS			DEATHS			CLOSING STOCK AS ON 31/3/2022			
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1.	Blue Peafowl	<i>Pavo cristatus</i>	2	1	0	3	-	-	-	-	-	-	-	-	-	-	-	2	1	0	3
TOTAL BIRDS			2	1	0	3												2	1	0	3
MAMMALS			M	F	T	T	M	F	T	M	F	T	M	F	T	M	F	M	F	U	T
1.	Sloth Bear	<i>Melursus ursinus</i>	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1
2.	Four horned Antelope	<i>Tetracerus quadricornis</i>	7	3	0	10	-	-	-	-	-	-	-	-	-	2	5	3	0	0	8

3.	Civet palm	<i>Paradoxurus haemaphroditus</i>	1	3	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	0	4
4.	Gaur	<i>Bos gaurus</i>	5	4	0	9	-	-	-	-	2	1	-	3	-	-	-	-	-	5	4	0	9
5.	Jackal	<i>Canis aureus</i>	1	0	0	1	-	-	1	2	-	-	-	-	-	-	-	-	-	1	0	0	1
6.	Leopard	<i>Panthera pardus</i>	2	3	0	5	-	-	-	-	1	1	-	2	-	-	-	-	-	2	3	0	5
7.	Black Buck	<i>Antelope cervicapra</i>	7	6	0	13	-	-	-	-	2	4	-	6	-	-	-	-	-	7	6	0	13
8.	Indian Elephant	<i>Elephas maximus</i>	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0
9.	Jungle Cat	<i>Felis chaus</i>	1	1	0	2	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2	0	3
TOTAL MAMMALS			24	21	0	45														22	22	0	44
REPTILES / AMPHIBIANS			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	
1.	Checkered keelback	<i>Xenochroptis piscator</i>	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	0	2
2.	Common Cobra	<i>Naga naja</i>	2	1	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	0	3
3.	King Cobra	<i>Ophiophagus hannah</i>	1	0	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1

4.	Crocodile Mugger	<i>Crocodylus palustris</i>	2	2	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	0	4
5.	Flap shell Turtle	<i>Lissemys punctata</i>	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2
6.	Indian Rock Python	<i>Python molurus</i>	0	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1	2
7.	Rat snake	<i>Ptyas mucosus</i>	0	0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	3	3
8.	Russell viper	<i>Vipera russelli</i>	1	0	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	3	4
TOTAL REPTILES/ AMPHIBIA NS			6	6	10	22														5	6	10	21

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

Round Forester
Bondla (Zoo section)

Veterinary Officer
Bondla Zoo

Range Forest Officer
Bondla Wildlife Sanctuary

Zoo Manager
Bondla Zoo

FORM – II

PART – B

Performa for Annual Inventory Report

Inventory Report for the Year: 2021 to 2022

Other than Endangered Species*

SR NO	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01/4/2021				BIRTHS				ACQUISITIONS				DISPOSALS				DEATHS				CLOSING STOCK AS ON 31/3/2022							
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
1.	Silver Pheasant	<i>Lophura nycthemera</i>	1	2	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0	3
2.	Ring Necked Pheasant	<i>Phasianus colchicus</i>	0	2	0	2	-	-	-	-	1	-	1	-	-	-	-	0	1	-	1	-	-	-	-	-	0	1	0	1
3.	Lady Amherst Pheasant	<i>Chrysolophus amherstiae</i>	1	0	0	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
4.	Cockatiels	<i>Nymphicus hollandicus</i>	3	3	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4	10	
5.	Emu	<i>Dromaius novaehollandiae</i>	0	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	4	5	
TOTAL BIRDS			5	8	8	21	0	0	0	0	0	0	3	0	0	0	0	0	1	0	1	0	1	0	1	5	7	8	20	

MAMMALS			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	
1	Deer Sambar	<i>Cervus unicolor</i>	11	16	0	27	-	-	-	-	-	3	5	0	8	-	1	-	1	11	15	0	26
2	Spotted Deer	<i>Axis axis</i>	3	10	0	13	-	-	-	-	-	-	-	-	-	-	-	-	3	10	0	13	
3	Indian Porcupine	<i>Hyatrix indica</i>	1	2	2	5	-	-	-	-	-	-	-	-	-	-	1	0	1	1	1	2	4
4	Wild Boar	<i>Sus scrofa</i>	15	8	0	23	-	-	-	-	-	3	5	0	8	2	-	2	13	8	0	21	
5.	Hippopotamus	<i>Hippopotamus amphibious</i>	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
TOTAL MAMMALS			30	36	2	68													28	34	2	64	
REPTILES/ AMPHIBIANS			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	
1.	Bronze back Tree snake	<i>Dendrelaphis tristis</i>	0	0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	0	0	3	3	
2.	Forsterns cat snake	<i>Boiga forestrn</i>	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2	
3	Sand Boa	<i>Eryx conicus</i>	4	1	0	5	-	-	-	-	-	-	-	-	-	-	-	-	4	1	0	5	
4	Trinket snake	<i>Elaphe helena</i>	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1	
5.	Indian Black Turtle	<i>Melanochelys trijuga</i>	3	4	0	7	-	-	-	-	-	-	-	-	-	1	0	0	2	4	0	6	
6.	Spectacled Caiman	<i>Caiman crocodylus</i>	1	1	0	2	-	-	-	-	-	-	-	-	-	1	0	0	1	0	1	1	
TOTAL REPTILES/ AMPHIBIANS			8	7	5	20													6	7	5	18	

Round Forester

Veterinary Officer

Range Forest Officer

Zoo Manager

Bondla (Zoo section)

Bondla Zoo

Bondla Wildlife Sanctuary

Bondla Zoo

25. MORTALITY OF ANIMALS

Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post mortem report
Four horned Antelope	<i>Tetracerus quadricornis</i>	Male	12/8/21	Massive cardiac arrest due to shock following capture myopathy.
Four horned Antelope	<i>Tetracerus quadricornis</i>	Male	22/9/21	Multiple visceral organ trauma and soft tissue rupture owing to infight injuries.
King Cobra	<i>Ophiophagus hannah</i>	Male	06/1/22	Due to multiple organ Failure
Ring necked pheasant	<i>Phasianus colchicus</i>	Female	01/7/21	Chronic progressive paralysis due to pododermatitis & general debility.
Deer Sambhar	<i>Rusa unicolor</i>	Female	26/10/21	Impacted rumen, reticulo orasal and small intestine blockage and internal rupture and bleeding of internal Organ.
Indian Crested Porcupine	<i>Hystrix indica</i>	Female	13/7/21	Multiple chronic lipomas & metastasis due to geriatricity.
Indian Black Turtle	<i>Melanochelys trijuga</i>	Male	18/5/21	Massive organ prolapsed & evisceration due to predator attack/ Acute trauma leading to peripheral circulatory failure & subsequent death.
Spectacle Caiman	<i>Caiman crocodilus</i>	Female	19/12/21	Death due to Respiratory Failure.
Wild Boar	<i>Sus scrofa</i>	Male	24/2/22	Large uncritical abuss recenting in fusion of male reproductive tratt leading to secondary hepatic abcess & comprensive to hepats glisray system.
Wild Boar	<i>Sus scrofa</i>	Male	29/3/22	Large uncritical abuss fussing with urgeneted organs onrig to hepattles.

26. Birth of Animals

Sr. No.	Animal Name (with individual identification mark, if any)	Scientific Name	Male	Female	Unknown	Date of Birth
1	Jungle Cat	<i>Felis chaus</i>	1	-	-	27/10/2021
2	Gaur	<i>Bos gaurus</i>	1	-	-	01/02/2022
3	Gaur	<i>Bos gaurus</i>	-	1		20/03/2022
4	Silver Pheasant	<i>Lophura nycthemera</i>	-	-	3	28/03/2022

01. LIST OF FREE LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

a. Mammals

Indian Gaur, Spotted Deer, Wild Pig, Palm Civet, Mongoose, Leopard, Common Langur, Bonnet Macaque, Sambar, Black Nape Hare, Giant squirrel, Three striped squirrel, Mouse Deer, Toddy Cat, Dhol etc.

b. Birds

Red Wattled Lapwing, Spotted Dove, Vernal Hanging Parrot, Asian Koel, Greater Coucal, Oriental Dwarf Kingfisher, White Throated Kingfisher, Bee Eater, Barbet, Malabar Grey Hornbill, Malabar Pied Hornbill, Wood pecker, Black Hooded Oriole, Lora, Racket Tail Drongo, Black Drongo, Shrike, Starling, Orange Headed Thrush, Minivet, Bulbul, Tickells Blue Flycatcher, Asian Paradise Flycatcher, Malabar Whistling Thrush, Sunbirds, White Rumped Shama, Oriental Magpie Robin etc.

c. Reptiles

Monitor Lizard, Indian Rock Python, Common Cobra, Indian Rat Snake, Russell's viper, Muggers, Common Cat Snake, Green Whip Snake, Bronze back Tree Snake, Flying Snake, Sand Boa, Bamboo Pit Viper etc.

01. DISINFECTION SCHEDULE

SPECIAL DISINFECTION PROTOCOLS FOLLOWED FOR DISEASE OUTBREAK (Corona Virus; Covid-19 & Avian influenza/ Bird Flu) AT BONDLA ZOO & WILDLIFE SANCTUARY

(With effect from 15th March 2020 onwards)

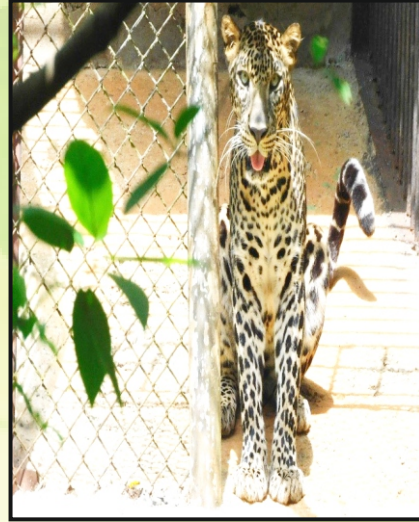
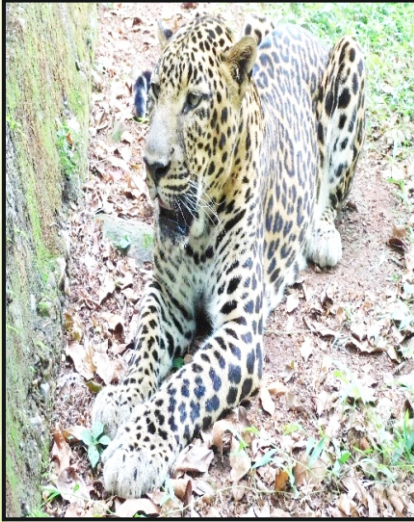
Bio security Measures followed:-

1. Sanctuary and Zoo closed for Visitors/ Tourists until advised.
2. Restricted movement/ avoidance of cluster of labour/ staff, working in batches as advised.
3. All Zoo staff in contact with animals; face masks, gloves, head caps etc., maintain personal hygiene and washing of Zoo uniforms in disinfectant before leaving Zoo daily.
4. Carnivore enclosures: 01 labour exclusively for cleaning and removal of left over feed, urine, stool etc, 01 labour exclusively for feeding only.
5. Feed hygiene: All vegetables to be thoroughly washed in brine solution/ hot water. Since no availability of beef, chicken to be procured dressed; and blanched in hot boiling water for about 1-2 minutes before offering.
6. Addition of Immunity tonics, multivitamins and minerals to feed as advised.
7. Careful and strict monitoring of Zoo animals and reporting if sick or any sign of illness.
8. Careful and strict monitoring of Zoo staff and reporting if sick or any sign of illness.
9. Careful and strict monitoring of Sanctuary Avians and immediate reporting of sudden mass mortality.
10. Restricted entry of Rescue birds at Veterinary hospital/ Rescue Centre and if gravely injured, proper quarantine measures to be followed during course of treatment advised.

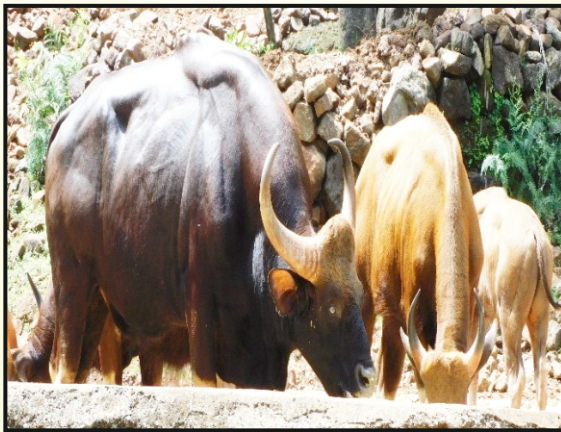
11. Additional Disinfection protocols as follows:-

All Entry/ Exit gates, administrative offices, Zoo kitchen	<u>Sanitiser</u> Ethanol	80%
	Chlorhexidine Gluconate	0.50%
Zoo Entrance / Exit/ Vehicles	KMnO ₄ (Footbath/ Dip)	20%
Entrance at all enclosures	KMnO ₄ (Footbath/ Dip)	05 %
Veterinary Hospital and Rescue Centre	KMnO ₄ (Footbath/ Dip)	15 %
All Zoo roads, pathways, junctions, circles, garden area etc	Glutaraldehyde	05%
	Sodium hypochlorite	08%
All Zoo Night Shelters (Once every 10 days)	Sodium hypochlorite	06-08%
	Formalin	02%

29. INMATES OF BONDLA ZOO



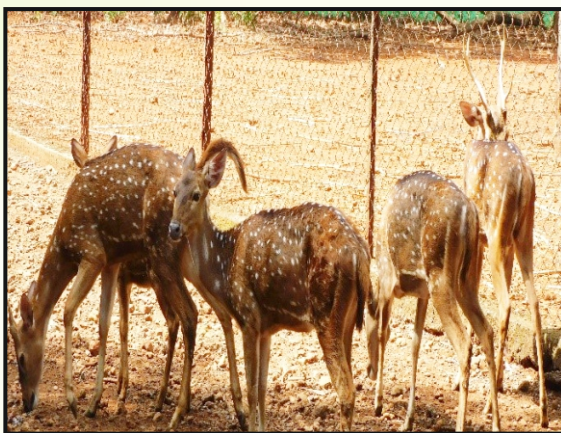
Leopard



Gaur



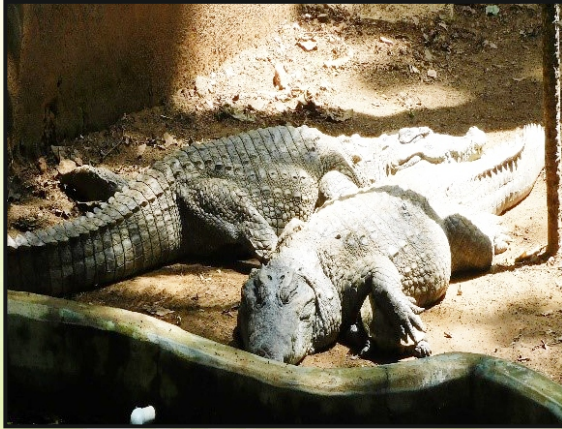
Sloth Bear



Spotted Deer



Sambhar



Mugger



Black Buck



Porcupine



Four Horned Atelope



Emu



Wild Pig



Spectacled Caiman



Golden Jackal



Alexandrine Parakeet



Peacock



Silver Pheasant



Lady Amhest Pheasant

NEW BORN AT BONDLA ZOO



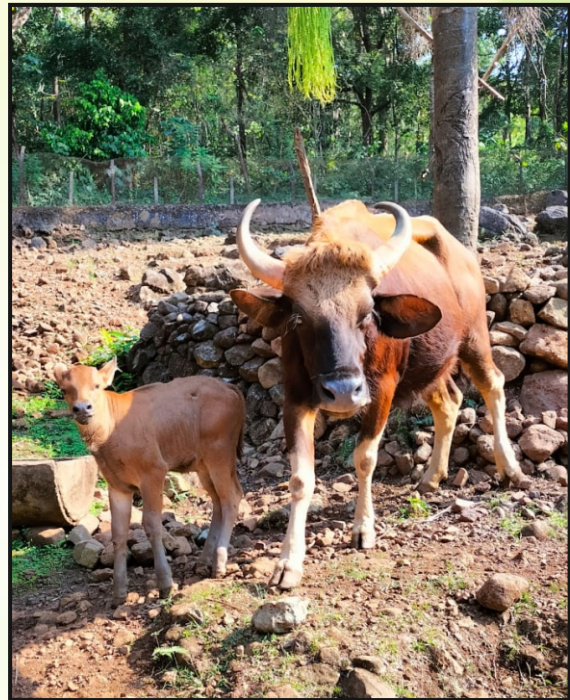
Jungle Cat Kitten



Silver Pheasant Chicks



Sambhar Fawn



Gaur Calf

30. PROGRAMME CONDUCTED AT BONDLA ZOO



Amrut Mahastav Celebration 75 Weeks 75 Species 75 Zoo. Date: - 08/04/2021



**Amrut Mahastav Celebration 75 Weeks 75 Species 75 Zoo. Date: - 08/04/2021
Dr. Gawri Mallapur Veterinary Consultant of CZA Interacting with Staff**



Workshop on Capacity Building of Frontline Staff involved in wildlife rescue dated:-26/02/2021



Workshop on Capacity Building of Frontline Staff involved in wildlife rescue dated:-26/02/2021



Farmers meet initiative under Atmanirbhar Bharat Swayampurna Goa, Wildlife Week 2021 at Bondla. (Campa)



Dr Dinesh Kanan IFS Conservator of Forests Visited Bondla Zoo along with Shri Jabestin A. IFS Zoo director.



Shri Parimal Rai IAS Chief Secretary of Goa visit to Bondla Zoo with Chief Wildlife Warden of Goa



Health Checkup Camp Dated:- 24/03/2022



World Wildlife Day Dated:- 03/03/2022



Health Awareness camp for Worker & Locals



Pre-Festive Bird Walk Dated: - 16 & 17/12/2021



**Beekeeping training to villagers adjacent to zoo.
To provide swayampurnata under Atmanirbhar Bharat scheme**

ACTIVITIES CARRIED AT BONDLA ZOO



Equipment of Veterinary Hospital with Modern Gadgets in Bondla Zoo



Interactive Signages displayed at sloth Bear Enclosures



Barrier Free Viewing Facility for Bird Enclosures



Resting / Rain shed for Visitors in Zoo



Childrens Volunteering for Enrichment Activity in Bondla Zoo Under Tenchnical Guidence of Mrs. Kaushalika Dharmadhikari



LEOPARD AT BONDLA ZOO



Published By

**ZOO DIRECTOR AND DEPUTY CONSERVATOR OF FORESTS
WILDLIFE AND ECO-TOURISM (NORTH) DIVISION
FOREST DEPARTMENT
1ST LIFT, 4TH FLOOR, JUNTA HOUSE
PANAJI - 403001 (GOA)**

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