

ANNUAL REPORT 2017-18

BONDLA ZOO



GOA FOREST DEPARTMENT

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01. REPORT OF THE OFFICER IN-CHARGE

Bondla Zoological Park is a small Zoo established in Year 1969, in the foothills of Western Ghats, which houses wild animals mostly found in Goa. It occupies a pride of place amongst the eco-tourism sites of the state. It is spread over an area of 60 hectares within the Wildlife Sanctuary, Bondla. The natural forest areas of Bondla provides home to a rich assemblage of free-ranging wild animals. The sprawling Zoo houses 14 species of mammals and reptiles each and 6 birds' species. Bondla has been an excellent place for eco-tourism which attracted more than 1.12 lakh visitors during the year. Many education and awareness programmes including Celebration of World Wetlands Day, World Wildlife Day, Wildlife Week, World Environment Day, Cleanliness drive, etc. were organized during the year 2017-18. Indigenous animal species including Gaur, Sambar, Spotted Deer, Black Buck, Marsh Crocodile, Leopard, etc. have bred successfully in the Park during the year. This year major activities carried out to achieve objectives like proper maintenance of enclosures, providing healthy feed to inmates, conduct nature camps for villagers as well as students of schools of adjoining villages around the Zoo.

The dedicated team of officers and staff of Bondla Zoo are responsible for its upkeep and management and hence deserve due appreciation. We are also thankful to the print and electronic media for supporting the Zoo Management. I take this opportunity to register my thanks to the Central Zoo Authority and Government of Goa for the help and support extended during the year reported. Shri. D. N. Singh, Member Secretary, CZA visited and inspected the Zoo on 17th February 2018 and his report and advice during visit is helping us in further improving the Zoo and its facilities. Finally I must thank all visitors and public who have whole heartedly supported our Zoo.

Vikas V. Dessai
Dy. Conservator of Forests

02. HISTORY OF THE ZOO

The origin of Zoo can be traced way back to the year 1969 when an Animal Rescue Centre of Forest department was established at Bondla with the main objective of rescue, recuperation and rehabilitation of wildlife. Subsequently, the need for a scientific management of the rescued wildlife was felt and the Zoo took shape. Bondla Zoo was accorded the status of 'Small Zoo' by the Central Zoo Authority in the year 2006.

03. VISION

- i) To develop the Zoo as a center 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.

04. 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.

05. 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	0832-2935800
6.	Fax Number	0832-2422864
7.	E-mail address	dcfwlnorthforest.goa@nic.in
8.	Website	-
9.	Distance from nearest	Airport: Dabolim Airport is 50 kms from Bondla. Railway Station: Alight at Margao Junction Railway Station. Margao which 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	22.03.2019
11.	Category of zoo	Small Zoo
12.	Area (in Hectares)	60 Hectares
13.	Number of visitors 2017-18	Indian: Adult: 74,752 nos Children: 16,252 nos Foreigners: Adults: 2,151 nos Children: 178 nos Free Entry: 19,617 nos (School & College Study Trips) Total Visitors: 1,12,950

Sr. No.	Particulars	Information
14.	Visitors Facilities Available in Zoo	<p>The Zoo provides basic visitor amenities like Rest sheds, Public toilet, Canteen & Restaurant facilities in close vicinity. Main attraction for the visitors are the lawns and children play area.</p> <p>The canteen caters for non-alcoholic beverage, snacks, mineral water etc. The Restaurant provides breakfast, veg. & non-veg. meals on order. The vicinity of Zoo has spacious parking place and no parking fee is charged. Physically disabled persons can avail wheel chair facility. Drinking water is provided in the Zoo. 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. Apart from the Zoo, there are Eco-friendly cottages and two 24 bedded Dormitories in the Eco-Tourism Complex just outside the Zoo. 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/- Extra charges for additional person – Rs.200/-</p>

06. ABOUT US**CONT..**

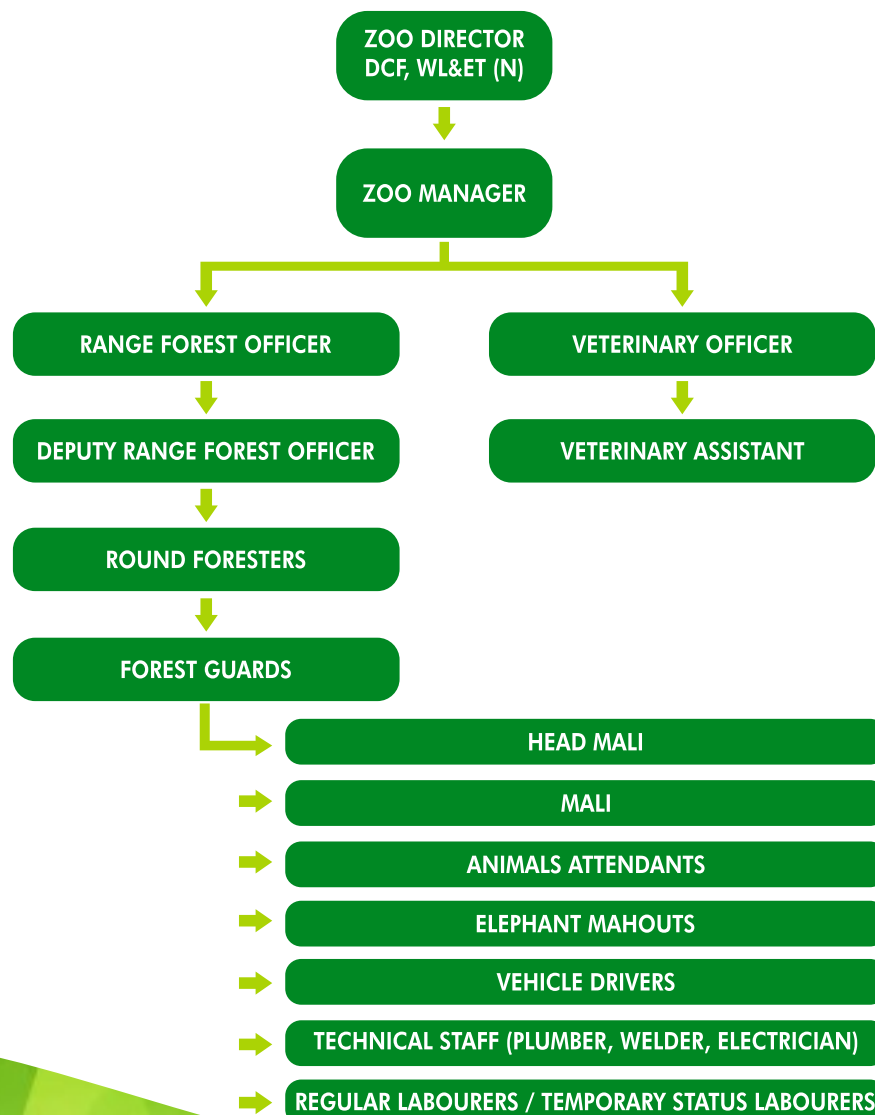
Sr. No.	Particulars	Information
		Dormitory per bed (one person) – Rs.200/- Dormitory per bed (Students on educational tour) – Rs.100/- Entry Fee Child/Students – Rs.10/- Adults – Rs.50/- Motor Cycle/Scooter – Rs.25/- Three Wheelers – Rs.40/- Bus/ Truck- Rs.150/- Car/4 Wheelers – Rs.75/- Still Camera – Rs.30/- Video camera/Handy Cam – Rs.150/- Video Camera for filming Documentary/Advertisement etc. 16 mm & above – Rs.7500/- per day per camera.
15.	Weekly Closure Day of the Zoo	Monday

MANAGEMENT PERSONNEL OF THE ZOO

16.	Name with designation of the Officer In-Charge	Shri. Vikas V. Dessai, Dy. Conservator of Forests.
	Name of the Veterinary Officer	Dr. Loveleen M. Vaz (On Contract basis)
	Name of the Curator	-
	Name of the Biologist	-
	Name of the Education Officer	-
	Name of the Compounder / Lab Assistant	-

Sr. No.	Particulars	Information
OWNER / OPERATOR OF THE ZOO		
17.	Name of the Operator	Goa Forest Department Wildlife & Eco-Tourism (North) Division, Panaji-Goa.
18.	Address of the Operator	Dy. Conservator of Forests, Wildlife & Eco-Tourism (North) Division, IV th Floor, Junta House, Panaji-Goa.
19.	Contact Details / Phone Number of the Operator	0832-2229701 (Office) 0832-2935800(Zoo Office)
20.	E-mail Address of the Operator	dcfwlnorthforest.goa@nic.in

07. ORGANIZATION CHART



08. HUMAN RESOURCES

MANPOWER OF THE ZOO

Sr. No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Zoo Manager	01	Nandakumar E. Parab
2	Range Forest Officer	01	Dr. Sidhesh S. Naik
3	Dy. Range Forest Officer	01	Mahanand G. Paryekar
4	Veterinary Officer (On contract)	01	Dr. Loveleen Maria Vaz
5	Veterinary Assistant	01	Pravesh P. Naik
6	Round Forester	01	Anand Surve
7	Forest Guard	02	Arjun A. Gawas
			Suresh B. Khandeparkar
8	Animal Attendant	02	Yeshwant Desai
			Ram Gaonkar
9	Elephant Mahout	04	Duming Fernandes
			Mahabaleshwar Naik
			Noor Makandar
			Mohammed Afroz
10	Head Mali	01	Nanda L. Naik
11	Mali	04	Sadanand Sakhalkar
			Tulshidas S. Naik
			Ashok S. Naik
			Ulhas S. Gaude
12	Regular Labourer	07	Vishwanath S. Sangodkar
			Dynaneshwar G. Usgaonkar
			Manohar S. Gaude
			Rajendra C. Naik
			Damodar R. Gaonkar
			Manohar A. Gaude
			Sugandha S. Gaonkar
13	Temporary Status Labourer	09	Ramesh Gawde
			Raghunath Gawde
			Vishram Nansekar
			Siman Fernandes
			Santosh Gaonkar

08. HUMAN RESOURCES

CONT...

		Ramakant Borkar
		Uddesh Gaonkar
		Suhas Gaonkar
		Vilas S. Gaude
14	Daily Wage Labourer	Deployed as and when required.

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	Manohar S. Gaude Regular Labourer	Training on Zoo Keeper as a capacity building measures on regional basis	19 th February 2018 to 25 th February 2018	Sakkarbaug Zoological Park, Junagadh, Gujarat.

10. ZOO ADVISORY COMMITTEE

- a. Date of constitution
- b. Members
- c. Dates on which Meetings held during the year



Being a small Zoo, State has not Constituted this Committee

11. HEALTH ADVISORY COMMITTEE

- a. Date of constitution
- b. Members
- c. 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 (2017-2018)

REVENUE

Sr. No.	Category	Amount
1	Entry Fee	54,25,470.00
Total		₹ 54,25,470.00

EXPENDITURE

Sr. No.	Items	Amount
1	Milk	36,280
2	Fish	15,650
3	Fruits	75,325
4	Eggs	10,078
5	Broiler chicken	2,95,296
6	Vegetables	6,09,924
7	Beef	5,43,368
8	Cattle feed (High protein mesh)	6,48,310
9	Goa Bagayatdar feed (Curd, Lemon, Sugarcane, Maize fodder etc.)	5,52,349
10	Zoo medicines	38,513
11	Miscellaneous expenditure	2,93,200
12	Wages	34,63,353
Total		₹ 65,81,646.00

13. DAILY FEED SCHEDULE OF ANIMALS

CONT..

Sr. No.	Species	Feed item	Quantity	Day of fasting
			Winter/Summer	
1	Tiger (01 nos)	Chicken	6.8 kgs	Monday
		Milk	500 ml	Monday
2	Leopard (3 nos)	Beef	05 kgs	Monday
		Chicken	1.7 kgs	Monday
3	Jackal (02 nos.)	Beef	01 kgs	Monday
4	Palm Civet (04 nos.)	Beef	500 gms	Monday
		Banana	04 nos.	Monday
		Mixed fruit (Banana, Water melon, Apple, Grapes, Orange, Mango and seasonal fruits etc.)	500 gms	Monday
5	Sloth Bear (02 nos)	Rice	03 kgs	Monday
		Coconut	02 nos.	Monday
		Jaggery	02 kgs	Monday
		Sooji rawa	02 kgs	Monday
		Milk	02 litre	Monday
		Eggs	06 nos.	Monday
		Banana	06 nos.	Monday
		Mixed fruit (Banana, Water melon, Apple, Grapes, Orange, Mango and seasonal fruits etc.)	01 kg	Monday
		Honey	250 ml	Monday
Groundnut	200 gms	Monday		
6	Porcupine (04 nos)	Green peas	500 gms	Monday
		Chickpea	500 gms	Monday
		Vegetables	03 kgs	Monday
		Banana	04 nos.	Monday
		Mixed fruit (Banana, Water melon, Apple, Grapes, Orange, Mango and seasonal fruits etc.)	500 gms	Monday

13. DAILY FEED SCHEDULE OF ANIMALS

CONT..

7	Hippopotamus (01 no)	Wheat bran	09 kgs	Monday
		Fodder grass	65 kgs	Monday
		Vegetables	07 kgs	Monday
		Banana	06 nos.	Monday
		Mixed fruit (Banana, Water melon, Apple, Grapes, Orange, Mango and seasonal fruits etc.)	01 kg	Monday
8	Bison (08 nos)	Green peas	500 gms	Monday
		Chickpea	500 gms	Monday
		High protein mesh	30 kgs	Monday
		Fodder grass	235 kgs	Monday
9	Spotted Deer (08 nos)	High protein mesh	04 kgs	Monday
		Fodder grass	40 kgs	Monday
		Vegetables	3.5 kgs	Monday
10	Sambar (21 nos)	High protein mesh	10 kgs	Monday
		Fodder grass	110 kgs	Monday
		Vegetables	08 kgs	Monday
11	Chowsingha (03 nos)	High protein mesh	05 kgs	Monday
		Fodder grass	10 kgs	Monday
		Vegetables	3.5 kgs	Monday
12	Black Buck (12 nos)	High protein mesh	06 kgs	Monday
		Fodder grass	50 kgs	Monday
		Vegetables	7.5 kgs	Monday
13	Wild Pig (25 nos)	Green peas	500 gms	Monday
		Chickpea	500 gms	Monday
		High protein mesh	19 kgs	Monday
14	Elephant (01 no)	Rice	04 kgs	Monday
		Moong	01 kg	Monday
		Udid dal	01 kg	Monday
		Finger Millet flour	02 kgs	Monday
		Horsebean	01 kg	Monday
		Jaggery	01 kg	Monday
		Coconut	01 no.	Monday
		Wheat bran	05 kgs	Monday
		Cardamon	200 gms	Monday
		Gram flour	02 kgs	Monday
		Curd	02 kgs	Monday
		Lemon	10 nos.	Monday

13. DAILY FEED SCHEDULE OF ANIMALS

CONT..

		Sugarcane	15 kgs	Monday
		Fodder grass	75 kgs	Monday
		Fodder leaves	70 kgs	Monday
15	Jungle Cat (02 nos.)	Beef	250 gms	Monday
16	Peafowl (03 nos)	Bajra	200 gms	Monday
		Vegetables	500 gms	Monday
17	Pheasants (08 nos)	Moong	150 gms	Monday
		Jawar	90 gms	Monday
		Bajra	90 gms	Monday
		Vegetables	600 gms	Monday
		Sunflower seed	300 gms	Monday
		Leafy vegetables	03 bundles	Monday
18	Emu (02 nos)	Poultry feed	01 kg	Monday
		Vegetables	03 kgs	Monday
19	Cockatiels (09 nos)	Moong	50 gms	Monday
		Wheat	200 gms	Monday
		Vari	200 gms	Monday
		Eggs	02 nos.	Monday
		Vegetables	200 gms	Monday
		Leafy vegetables	01 bundle	Monday
20	Crocodile (07 nos)	Beef	1.5 kgs twice a week	Monday
21	Python	Chicken	04 nos. twice a month	Monday
22	King Cobra	Rat snake	04/06 nos in a month	Monday
23	Snakes (21 nos.)	White Rats	19 nos. (Thrice a month) 01 no. rat for each snake	Monday
24	Checkered keel back (02 nos.)	Fish	250 gms	Monday
25	Turtle (09 nos.)	Fish	250 gms	Monday
		Vegetables	500 gms	Monday

14. VACCINATION SCHEDULE OF ANIMALS

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Leopard (Mandu Male)	Calicivirus Rhinotracheitis Panleukopenia Leukemia	Feligen CRP (Virbac) 01 ml (01 dose)	Vaccinated on 12/07/2017 given annually, next due July-August 2018	-
2	Leopard (Anjali Female)	Calicivirus Rhinotracheitis Panleukopenia Leukemia	Feligen CRP (Virbac) 01 ml (01 dose)	Vaccinated on 13/07/2017 given annually, next due July-August 2018	-
3	Leopard (Julie Female)	Calicivirus Rhinotracheitis Panleukopenia Leukemia	Feligen CRP (Virbac) 01 ml (01 dose)	Vaccinated on 07/11/2017 given annually, next due November - December 2018	-
4	Leopard (Richie Male)	Calicivirus Rhinotracheitis Panleukopenia Leukemia	Feligen CRP (Virbac) 01 ml (01 dose)	Vaccinated on 07/11/2017 (Primary dose) Booster on 06/12/2017. Next be given annually, due December 2018 –January 2019	-
5	Leopard (Cherry Female)	Calicivirus Rhinotracheitis Panleukopenia Leukemia	Feligen CRP (Virbac) 01 ml (01 dose)	Vaccinated on 07/11/2017 (Primary dose) Booster on 06/12/2017. Next be given annually, due December 2018 –January 2019	-

15. DE-WORMING SCHEDULE OF ANIMALS

Sr.No.	Species	Drug Used	Month
1.	Royal Bengal Tiger	Kiwof plus XL (Praziquantel, Pyrantel pamoate & Febantel)	05/06/2017
2.	Leopard	Plozin (Praziquantel, Pyrantel pamoate & Febantel) Worex XL (contents same)	20/06/2017 (Bi annually) 07/12/2017
3.	Indian Jackal	Plozin (Pranziquantel, Pyrantel pamoate & Febantel)	Bi annually 20/06/2017
4.	Sloth Bear	Kiwof Plus XL (Pranziquantel, Pyrantel pamoate & Febantel)	Bi annually 29/06/2017 09/01/2018
5.	Asian Palm Civet	Plozin/ Worex (Pranziquantel, Pyrantel pamoate & Febantel)	Bi annually 16/06/2017 07/12/2017
6.	Asian Elephant	Panacur (Fenbendazole)	14/06/2017 24/01/2018
7.	Gaur	Panacur (Fenbendazole)	09/06/2017 25/01/2018
8.	Black Buck	Plozin (Pranziquantel, Pyrantel pamoate & Febantel)	27/06/2017 07/12/2017
9.	Spotted Deer	Plozin (Pranziquantel, Pyrantel pamoate & Febantel)	20/07/2017 07/12/2017
10.	Four Horned Antelope	Plozin (Pranziquantel, Pyrantel pamoate & Febantel)	07/06/2017 07/12/2017
11.	Sambar	Panacur (Fenbendazole)	27/06/2017 07/12/2017
12.	Hippopotamus	Panacur (Fenbendazole)	08/06/2017 19/01/2018
13.	Pheasants (Silver Pheasant) (Chinese Ring Neck) (Lady Amherst)	Nemocid (Pranziquantel, Pyrantel pamoate & Febantel) Liquid Panacur 5 mg/ml (Fenbendazole)	06/06/2017 06/12/2017
14.	Cockatiels	Nemocid (Pranziquantel, Pyrantel pamoate & Febantel)	06/06/2017 06/12/2017
15.	Indian Peafowl	Nemocid (Pranziquantel, Pyrantel pamoate & Febantel)	06/06/2017 06/12/2017
16.	Mugger	Panacur (Fenbendazole)	14/06/2017 25/01/2018
17.	Caiman Crocodile	Panacur (Fenbendazole)	09/06/2017 08/12/2017
18.	King Cobra & Other Snakes	Nemocid (Pranziquantel, Pyrantel pamoate & Febantel)	14/06/2017 25/01/2018

16. DISINFECTION SCHEDULE

Sr. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Tiger	Tiger enclosure	Korsolin-TH (Glutaraldehyde) 05%	Daily
2	Leopard	Leopard enclosure	Turmeric 05%	Daily
			Lime wash (Whitewashing)	Bi annually
			KMnO ₄ (Footbath)	Daily
			Fumigation (Deltamethrin 05% Neremectin 08%)	Once
3	Sloth Bear	Sloth Bear enclosure	Turmeric 10%	Once in 10 days
			Lime wash (White washing)	Bi annually
			KMnO ₄ (Footbath)	Daily
			Fumigation (Deltamethrin 08% Glutaraldehyde 12% Ivermectin 01%)	Once
4	Gaur Four Horned Antelope Spotted Deer Black Buck Sambar	Herbivore enclosure	Turmeric 10%	Every alternate day
			KMnO ₄ (Footbath)	Daily
			Fumigation (Deltamethrin 14% Glutaraldehyde 15%)	Once
5	Avians Peafowl Pheasants	Avian enclosure	Fumigation Deltamethrin 06% Glutaraldehyde 1% Ivermectin 1%	Once

17. HEALTH CHECK-UP OF EMPLOYEES FOR ZOO NOTIC DISEASES

Sr. No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Arjun A. Gawas	Forest Guard	10.08.2017	Fit
2	Ram V. Gaonkar	Animal Attendant	10.08.2017	Fit
3	Dumingo J. Fernandes	Mahout	10.08.2017	Fit
4	Mohammed Afroz	Mahout	10.08.2017	Fit
5	Dynaneshwar G. Usgaonkar	Regular Labourer	10.08.2017	Fit
6	Manohar S. Gaude	Regular Labourer	10.08.2017	Fit
7	Siman A. Fernandes	T.S.L.	10.08.2017	Fit
8	Santosh L. Gaonkar	T.S.L.	10.08.2017	Fit
9	Suresh B. Khandeparkar	Forest Guard	17.08.2017	Fit
10	Yeshwant R. Desai	Animal Attendant	17.08.2017	Fit
11	Noor A. Makandar	Mahout	17.08.2017	Fit
12	Vishwanath S. Sangodkar	Regular Labourer	17.08.2017	Fit
13	Sugandha S. Gaonkar	Regular Labourer	17.08.2017	Fit
14	Vishram V. Nansekar	T.S.L.	17.08.2017	Fit
15	Raghunath M. Gawas	T.S.L.	17.08.2017	Fit
16	Mahabaleshwar V. Naik	Mahout	21.08.2017	Fit
17	Rajendra C. Naik	Regular Labourer	21.08.2017	Fit
18	Damodar R. Gaonkar	Regular Labourer	21.08.2017	Fit
19	Manohar A. Gaude	Regular Labourer	21.08.2017	Fit
20	Ramakant V. Borkar	T.S.L.	21.08.2017	Fit
21	Suhas V. Gaonkar	T.S.L.	21.08.2017	Fit
22	Uddesh S. Gaonkar	T.S.L.	21.08.2017	Fit
23	Ramesh Y. Gawde	T.S.L.	21.08.2017	Fit

18. DEVELOPMENT WORKS CARRIED OUT IN THE ZOO DURING THE YEAR 2017-2018

Construction of Soak pit at Porcupine, Peacock, Sloth Bear, Leopard, Chowsingha , Sambar, Black Buck enclosure and Veterinary Hospital, Bondla Zoo.

19. EDUCATION AND AWARENESS PROGRAMME DURING THE YEAR 2017-2018

Sr. No.	Events	Numbers of participants
1	Village Level Awareness Camp during Wildlife Week 2018 held on 03/10/2017 at Paikul Sattari and Sacorda-Goa.	39
2	Conducted On the Spot Drawing competition at AJD Almeida High School, Ponda – Goa during Wildlife Week 2018 held on 08/10/2017 on theme “My Forest” & “Wild Animal in Goa” for students of Primary and Middle School students of different schools from Ponda & Dharbandora Taluka participated.	31
3	Conducted Essay Writing Competition at AJD Almeida High School, Ponda – Goa during Wildlife Week 2018 held on 08/10/2017 and different school students participated.	08
4	Organised Cycle Rally to create Nature/Wildlife Awareness held on 11/10/2017 from Guleli to Khotodem and back for students of Govt High School Dhaushire, Guleli, Sarvodaya High School Usgao and Vivekanand High School Borim, Ponda-Goa.	55
5	Organised Best of Waste campaign during Wildlife Week 2018 held on 12/10/2017 at Govt. High School, Guleli, Ganjem, Dhaushire and Sarvodaya High school, Usgao-Goa.	26
6	Nature Awareness Trip at Bondla during Wildlife Week 2018 for students of St. Joseph’s College, Calicut University held on 05/10/2017, P.E.S & R.S.N College of Arts & Science, Farmagudi held on 06/10/2017, Shree Sharada English High School Sanvordem-Curchorem Goa held on 11/10/2017, Lokvishwas Pratishthan’s Virani-Isani High School For Deaf-Dumb Children Dhavali Ponda, Lokvishwas Pratishthan’s Late Meenatai Thackre Residential Primary School for Deaf & Dumb Children Dhavali Ponda-Goa held on 12/10/2017.	125

19. EDUCATION AND AWARENESS PROGRAMME DURING THE YEAR 2017-2018

CONT..

7	Conducted On the Spot Drawing competition at Lokvishwas Prathisthan School, Ponda - Goa during Wildlife Week 2018 held on 12/10/2017.	49
8	Organised Nature Awareness Camp during Wildlife Week 2018 held on 13/10/2017 for students of Govt. High School, Ganjem, Guleli, Dhaushire, Sarvodaya High School and Higher Secondary School , Usgao-Goa at Bondla.	157
9	Conducted Cycle Rally of Government High School, Guleli, Sattari students during World Wildlife Day 2018 held on 03/03/2018 from Guleli, Sattari junction to Dhamshe, Sattari and back Guleli.	23

20. IMPORTANT EVENTS AND HAPPENINGS

- *Organised Nature awareness camp for near by school students and villagers of Bondla Zoo.
- *Valedictory function of Wildlife Week, 2017 and prize distribution to winners held on 29/12/2017 at Bondla Zoo.
- *Organised Wildlife Film Shows for students, their parents and prize winners to create awareness about forest and wildlife amongst them at Nature Information Centre, Bondla.

21. SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

- *Provided water sprinkler in Gaur, Leopard and Sloth Bear enclosures to provide conducive environment to the inmates during summer season.
- *Installed fan in King Cobra and Leopard enclosures to maintain temperature.

22. RESEARCH WORK CARRIED OUT AND PUBLICATIONS

Being a small Zoo, no major research activities are carried out during year 2017-18.

23. CONSERVATION BREEDING PROGRAMME OF THE ZOO

* Bondla Zoo has been identified as the participating Zoo for breeding of Indian Gaur by CZA during the year 2007.

24. ANIMAL ACQUISITION / TRANSFER / EXCHANGE DURING THE YEAR 2017-2018

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				

25. RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO

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	01.04.17	Leopard (01) (female)	Velguem, Sattari	17.04.2017	--	02.04.17 Death
2	14.04.17	Common Cobra (01)	Usgao	05.05.2017	20.04.17 at Shivdem, Dharbandora	--
3	20.04.17	Common Cobra (02)	Usgao and Bhamai, Pale, Bicholim	05.05.2017	20.04.17 at Shivdem, Dharbandora	--
4	25.04.17	Indian Rat snake (01)	Tisk, Usgao	05.05.2017	26.04.17 at Bondla WLS	--
5	09.05.17	Barn Owl (01)	Conquirem, Sattari	12.06.2017	12.05.17 at Bondla WLS	--
6	24.06.17	Common Indian Cat snake (01)	Ganjem, Usgao	06.07.2017	30.06.17 at Shivdem, Dharbandora	--
7	29.06.17	Common Cobra (01)	Shel-Melauli, Sattari	06.07.2017	30.06.17 at Shivdem, Dharbandora	--
8	06.07.17	Russell's Viper (01)	Tisk, Usgao	06.08.2017	15.07.17 at Shivdem, Dharbandora	--

25. RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO
CONT..

9	21.07.17	Indian Rock Python (01)	Guleli, Sattari	06.08.2017	26.07.17 at Bondla WLS	--
10	25.07.17	Indian Rat Snake (01)	Conquirem, Sattari	06.08.2017	26.07.17 at Bondla WLS	--
11	31.07.17	Rat Snake (01)	Tisk, Usgao	06.08.2017	31.07.17 at Bondla WLS	--
12	31.07.17	Common Cobra (01)	Guleli, Sattari	06.08.2017	31.07.17 at Shivdem, Dharbandora	--
13	07.08.17	Indian Rat Snake (01)	Guleli, Sattari	08.09.2017	08.08.17 at Bondla WLS	--
14	08.08.17	Common Cobra (01)	Tisk, Usgao	08.09.2017	21.08.17 at Kascond, Bhagwan Mahaveer WLS	--
15	09.08.17	Common Cobra (01)	Guleli, Sattari	08.09.2017	21.08.17 at Kascond, Bhagwan Mahaveer WLS	--
16	17.08.17	Indian Rat Snake (01)	Bondla	08.09.2017	18.08.17 at Bondla WLS	--
17	20.08.17	Common Cobra (01)	Shel-Melauli, Sattari	08.09.2017	21.08.17 at Kascond, Bhagwan Mahaveer WLS	--
18	20.08.17	Indian Rat Snake (01)	Tisk, Usgao	08.09.2017	21.08.17 at Bondla WLS	--
19	02.09.17	Common Cobra (01)	Guleli, Sattari	09.10.2017	11.09.17 at Shivdem, Dharbandora	--
20	02.09.17	Common Cobra (01)	Tisk, Usgao	09.10.2017	11.09.17 at Shivdem, Dharbandora	--

25. RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO
CONT..

21	22.09.17	Indian Rat Snake (01)	Usgao	09.10.2017	29.09.17 at Bondla WLS	--
22	24.09.17	King Cobra (01)	Shel-Melauli, Sattari	09.10.2017	09.12.17 at Mhadei WLS	--
23	26.09.17	Indian Rat Snake (01)	Vante, Sattari	09.10.2017	29.09.17 at Bondla WLS	--
24	03.10.17	Common Cobra (01)	Murmune, Sattari	08.11.2017	10.10.17 at Shivdem, Dharbandora	--
25	04.10.17	Indian Rock Python (01)	Velguem, Sattari	08.11.2017	10.10.17 at Shivdem, Dharbandora	--
26	07.10.17	Russell's Viper (01)	Tisk, Usgao	08.11.2017	10.10.17 at Shivdem, Dharbandora	--
27	08.10.17	Common Cobra (01)	Guleli, Sattari	08.11.2017	10.10.17 at Shivdem, Dharbandora	--
28	14.10.17	Common Sand Boa (01)	Ganjem, Usgao	08.11.2017	10.10.17 at Shivdem, Dharbandora	--
29	15.10.17	Common Cobra (01)	Usgao	08.11.2017	20.10.17 at Shivdem, Dharbandora	--
30	27.10.17	Common Cobra (01)	Tisk, Usgao	08.11.2017	30.10.17 at Shivdem, Dharbandora	--
31	16.11.17	Common Cobra (01)	Padeli, Sattari	04.12.2017	30.11.17 at Shivdem, Dharbandora	--
32	23.11.17	Indian Rat Snake (01)	Guleli, Sattari	04.12.2017	25.11.17 at Bondla WLS	--
33	23.11.17	Common Indian Cat Snake (01)	Ambeshi, Pale, Bicholim	04.12.2017	25.11.17 at Bondla WLS	--

25. RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO
CONT..

35	02.01.18	Barn Owl (01)	Tisk, Usgao	08.02.2018	--	Kept in rescue centre, Bondla due to injured wing.
36	05.01.18	Indian Rat Snake (01)	Pale, Usgao	08.02.2018	06.01.18 at Bondla WLS	--
37	06.01.18	Indian Rat Snake (01)	Shel- Melauli, Sattari	08.02.2018	08.01.18 at Bondla WLS	--
38	13.01.18	Indian Rat Snake (01)	Tisk, Usgao	08.02.2018	14.01.18 at Bondla WLS	--
39	25.01.18	Indian Rat Snake (01)	Usgao	08.02.2018	26.01.18 at Bondla WLS	--
40	31.01.18	Indian Rat Snake (01)	Tisk, Usgao	08.02.2018	31.01.18 at Bondla WLS	--
41	19.02.18	Russell Viper (01)	Tisk, Usgao	05.03.2018	25.02.18 at Shivdem, Dharbandora	--
42	23.02.18	Indian Rat Snake (01)	Tisk, Usgao	05.03.2018	23.02.18 at Bondla WLS	--
43	10.03.18	Indian Rat Snake (01)	Guleli, Sattari	07.04.18	12.03.18 at Bondla WLS	--
44	16.03.18	Common Cobra (01)	Tisk, Usgao	07.04.18	21.03.18 at Shivdem, Dharbandora	--

26. ANNUAL INVENTORY OF ANIMALS

(Animals under schedule - I & II of the WLP, 1972)

Form – II

[See Rule 11 (1)]

Part – A

Inventory Report for the Year: 2017-2018

Endangered Species

Sr. No	Animal Name	Scientific name	Opening stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on				Remarks	
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
A	BIRDS																							
1	Peafowl	<i>(Pavo cristatus)</i>	1	0	0	1	-	-	-	1	1	-	-	-	-	-	-	-	-	2	1	0	3	*One male and one female rescued earlier, are taken in stock this year.
																							-	
B	MAMMALS																							
2	Sloth Bear	<i>(Melursus ursinus)</i>	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2	-
3	Four horned Antelope	<i>(Tetracerus quadricornis)</i>	1	1	0	2	-	-	-	-	1	-	-	-	-	-	-	-	-	1	2	0	3	*Rescued as a young one earlier and has become domesticated at Rescue Centre but taken into acquisition this year.
4	Civet palm	<i>(Paradoxurus haemophrodites)</i>	1	3	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	0	4	-
5	Gaur	<i>(Bos Gaurus)</i>	5	2	0	7	-	1	-	-	-	-	-	-	-	-	-	-	-	5	3	0	8	-
6	Jackal	<i>(Canis aureus)</i>	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2	-
7	Leopard	<i>(Panthera pardus)</i>	1	2	0	3	1	1	-	-	-	-	-	-	-	-	-	-	-	2	3	0	5	-
8	Black Buck	<i>(Antelope cervicapra)</i>	9	4	0	13	1	-	-	-	-	-	-	-	-	2	-	-	-	8	4	0	12	-
9	Tiger		0	1	0	1	-	-	-	-	-	-	-	-	-	-	1	-	-	0	0	0	0	-
10	Indian Elephant	<i>(Elephas maximus)</i>	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1	-

26. ANNUAL INVENTORY OF ANIMALS

CONT..

11	Jungle Cat	<i>(Felis chaus)</i>	0	0	0	0	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1	0	2	*Rescued earlier but taken into stock this year.	
			20	15	0	35														21	18	0	39		
C REPTILES																									
12	Checked keelback	<i>Xenochropic piscator</i>	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	0	2	-	
13	Cobra	<i>Naga raja</i>	2	1	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	0	3	-	
14	King Cobra	<i>Ophiophagus hannah</i>	1	0	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1	2	-	
15	Crocodile Mugger	<i>Crocodylus palustris</i>	2	2	0	4	-	-	5	-	-	-	-	-	-	-	-	-	-	2	2	5	9	-	
16	Flap shell Turtle	<i>Lissemys punctata</i>	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2	-	
17	Indian Rock Python	<i>Python molurus</i>	0	1	1	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0	1	1	2	*Rescued as a young one and has become domesticated and later shifted to Snake enclosure at Bondla Zoo this year.
18	Rat snakes	<i>Ptyas mucosus</i>	0	0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	3	3	-	
19	Russell viper	<i>Vipera russelli</i>	1	0	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	3	4	-	
			6	6	10	22														6	6	15	27		

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

Part – B

Other than Endangered Species

Sr. No	Animal Name	Scientific name	Opening stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T				
A MAMMALS																							
1	Deer Sambhar	<i>Cervus unicolor</i>	6	11	0	17	1	3	-	-	-	-	-	-	-	-	-	-	7	14	0	21	-
2	Spotted Deer	<i>Axis axis</i>	1	5	0	6	-	1	-	-	-	1	-	-	-	-	-	-	1	7	0	8	*Rescued as a young one and has become domesticated at Bondla Rescue centre and later shifted to Spotted Deer enclosure at Bondla Zoo and taken into stock this year.

26. ANNUAL INVENTORY OF ANIMALS

CONT..

3	Indian Porcupine	<i>Hytrix indica</i>	1	3	0	4	-	-	-	-	-	-	-	-	-	-	-	1	3	0	4	-	
4	Wild Boar	<i>Sus scrofa</i>	15	10	0	25	-	-	-	-	-	-	-	-	-	-	-	1	15	9	0	24	-
			23	29	0	52												24	33	0	57		
B REPTILES																							
5	Bronze back Tree snake	<i>(Dendrelaphis Tristis)</i>	0	0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	0	0	3	3	-
6	Forstern's cat snake	<i>(B. forestrn)</i>	0	0	0	0	-	-	-	-	-	2	-	-	-	-	-	-	0	0	2	2	*Rescued as a young one earlier become domesticated at Bondla Rescue Centre and later shifted to Snake Enclosure at Bondla Zoo and taken into stock this year.
7	Sand Boa	<i>(Eryx conicus)</i>	4	1	0	5	-	-	-	-	-	-	-	-	-	-	-	-	4	1	0	5	-
8	Trinket snake	<i>(Elaphe Helena)</i>	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1	-
9	Indian Black Turtle	<i>(Melanochelys trijuga trijuga)</i>	3	4	0	7	-	-	-	-	-	-	-	-	-	-	-	-	3	4	0	7	-
			7	6	3	16													7	6	5	18	
INVENTORY REPORT FOR EXOTIC FAUNA OF BONDLA ZOO																							
A BIRDS																							
1	Silver Pheasant	<i>Lophura nycthemera</i>	1	2	0	3	-	-	1	-	-	-	-	-	-	-	-	-	1	2	1	4	-
2	Ring Necked Pheasant	<i>Phasianus colchicus</i>	1	2	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0	3	-
3	Lady Amherst Pheasant	<i>Chrysolophus amherstiae</i>	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1	-
4	Cockatiels	<i>Nymphicus hollandicus</i>	4	4	0	8	-	-	2	-	-	-	-	-	-	-	1	-	4	3	2	9	-
5	Emu	<i>Dromaius novaehollandiae</i>	0	0	0	0	-	-	-	1	1	-	-	-	-	-	-	-	1	1	0	2	*Gifted by Franca Botanical Garden Loutolim, Salcette – Goa in year 2012 but taken into stock this year.
			7	8	0	15													8	8	3	19	
B MAMMALS																							
6	Hippopotamus	<i>Hippopotamus amphibious</i>	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1	-

27. MORTALITY OF ANIMALS

Sr. 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	Tiger	<i>Panthera tigris</i>	Female	27.06.2017	The death may be due to respiratory failure.
2	Black Buck	<i>Antelope cervicapra</i>	Male	10.10.2017	Senility & ageing.
3	Indian Rock Python	<i>Python molurus</i>	Unknown	14.11.2017	Senility of organs or genetic.
4	Black Buck	<i>Antelope cervicapra</i>	Male	05.12.2017	Primarily asphyxia secondary organ trauma
5	Wild Boar	<i>Sus scrofa</i>	Female	20.03.2018	Haemorrhagic shock due to gravid condition & geriatric nature is herd.
6	Cockatiel	<i>Nymphicus hollandicus</i>	Female	23.03.2018	Asphyxia probably due to exhaustion being in egg producing & laying phase.

BIRTH OF ANIMALS

Sr. No.	Animal Name (with individual identification mark, if any)	Scientific Name	Male	Female	Unknown	Date of Birth
1	Silver Pheasant	<i>Lophura nycthemera</i>	-	-	01	05.03.2017
2	Spotted Deer	<i>Axis axis</i>	-	01	-	16.03.2017
3	Sambar	<i>Cervus unicolor</i>	-	01	-	23.03.2017
4	Cockatiel	<i>Nymphicus hollandicus</i>	-	-	02	06.04.2017
5	Leopard	<i>Panthera pardus</i>	01	01	-	01.06.2017
6	Crocodile	<i>Crocodylus palustris</i>	-	-	05	09.06.2017
7	Sambar	<i>Cervus unicolor</i>	-	01	-	17.10.2017
8	Sambar	<i>Cervus unicolor</i>	-	01	-	08.11.2017
9	Sambar	<i>Cervus unicolor</i>	01	-	-	26.11.2017
10	Black Buck	<i>Antelope cervicapra</i>	01	-	-	26.12.2017
11	Gaur	<i>Bos gaurus</i>	-	01	-	01.02.2018

28. STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY

Sr. No.	Norm No.	Condition stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1. General requirements					
1	10.1(4)	The Zoo exists within the wildlife sanctuary and surrounded by deep forest, there is no need of having a pucca wall as perimeter barrier. However, 7-8 ft. high chain-link fencing should be erected as perimeter barrier all around Zoo area.	One year	-	500 mtrs chain link fence is completed. Balance pending for financial constraints.
2	10.1(2)	The giant squirrel enclosure should be enlarged	Immediately	-	-
3	1.1(7)	The Zoo should provide a proper waste disposal system for treating both the solid and liquid wastes generated in the Zoo. There should be waste disposal system having no adverse impact on the environment.	Immediately	-	Waste generated at zoo is segregated everyday in solid and liquid separately. Liquid waste is disposed off in waste disposal pit while solid waste is stored and send to Goa Waste Management Corporation at Saligao.

1. Administrative and staffing Pattern					
4	10.2(2)	The zoo shall have an official with masters degree in Wildlife Sciences/Zoology as a full time Curator solely responsible for looking after the upkeep of animal and maintenance of animal enclosures. It is a small Zoo. There should be one Curator and one Biologist. The Officer-in-charge of the zoo and the Curator are two separate posts.	One year	-	Is in process.
2. Development and Planning					
5	10.3(1)	The zoo should prepare and get the Master Plan approved by the CZA.	Immediately	-	Draft Master Plan was submitted in 2014, but it was returned with observations and the same is being finalized this year (2018-19).
6	10.3(3)	The pucca buildings including the visitor facilities needs to be properly camouflaged and located in such a manner that the natural landscape of the zoo have not been masked and the cleanliness and hygiene of the zoo is not been affected due to such animal enclosures/structures.	Immediately	-	Work is in progress.

28. STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY CONT..

7	10.3(3)	The Spotted Deer enclosure should be made proper as per the CZA norms.		-	The enclosure is spacious one, however work of a separate Spotted Deer enclosure will be taken in the new Master Plan.
8	1.3(6)	A collection plan of animals to be housed and displayed in the zoo should be prepared. The plan should be prepared keeping in view due regard to the availability of land, water, electricity and climatic condition of the area.	Immediately	-	Will be included in the Master Plan under preparation.
9	10.3(6)(d)	The zoo should submit information to the CZA about the rescued animal that pertains to an endangered species.	Immediately	-	Inventory report is submitted and Complied.
1. Animal housing, display of animals and animal enclosures					
10	10.4(1 &2)	The Zoo is situated within the Bondla Forests and has thick vegetation which acts as the nature immersing environment for the animals. The enclosures are large. The paddock areas are mostly desolate and rocky, generally devoid of ground vegetation, with sparse trees, Massive enrichment measures are required. The enclosures of Wild boars, Bison, Tiger, Leopard, Sloth Bear, Black Buck and Sambar needs to be improved.	One year	-	Improvement of Gaur and Tiger enclosure is in process. Tree Plantation activity and vegetation enhancing measures are being taken.

28. STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY CONT..

11	10.4(2)	The enclosures for snakes shall be designed to meet the biological requirements of the animals. The nocturnal species enclosures (porcupine and civets) shall be provided with darkened shade for animals privacy.	One year	-	Will be complied as per CZA norms & guidelines in the new Master Plan.
12	10.4(3)	The safety features both for visitors and animal keepers have to be upgraded as the night shelters are close to the visitor path and there is no proper animal keepers gallery in most of the enclosures. The Zoo requires a complete overhaul for the safety and security of the animals, animals keeper's and visitor's. There is ample space for the movement of animals except in few enclosures having surplus animals like Wild boar, Bison and leopard.	One year	-	Action taken where it is needed.
13	10.4(6)	Snakes, Civets & Crocodile enclosure requires species-specific enrichment including filling with sand for basking of crocodiles.	One year	-	Is being done.

28. STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY
CONT..

14	10.4(6)	<p>a) The Zoo enclosures require drastic modification and improvement to enrich the paddock area and night shelters in order to comply with the standard of CZA.</p> <p>b) Wild boar, Tiger, Bison, Snakes and crocodiles enclosures need to be improved structural modification in night shelters.</p>	One year	-	Is being included in the Master Plan.
15	10.4(8)	The zoo has constructed, without prior approval of the Central specifications prescribed by the CZA. It should be made as per the CZA norms. No enclosure for endangered species should be constructed without prior approval of the CZA.	One year	-	These aspects are being taken up in the Master Plan.
16	10.4(9)	All the animal enclosure in the Zoo should be provided appropriate stand-off barriers and adequate warning signs for keeping the visitors at a safe distance from the animals.	One year	-	Complied in case of all enclosures except Civet Cat.
17	10.4(9)	The zoo should plant hedge between the standoff barrier and the paddock wall.	One year	-	Work is in progress.
18	10.4(10)	Every enclosure in the zoo should bear a sign board in bilingual language displaying scientific information about biology and behavior etc. of the animals exhibited in it.	One year	-	Work is in progress and will be complied within a short time.

1. Upkeep and healthcare of animal					
19	10.5(1)(g)	The zoo should has provision of secondary holding areas for safe movement of animals from primary enclosures for cleaning/ feeding/ medical procedures.	One year	-	Will be complied.
20	10.5(3)	The meat house should be made fly proof.	Immediately	-	Partly Complied.
21	10.5(3)	Zoo should install a freezer of adequate capacity for storage of meat products.	Immediately	-	Complied by providing a 320 ltrs Deep Freezer in August 2018.
22	10.5(4)	The Store house for food should be made rodent proof and storage conditions of feed items need improvement to make it damp proof.	Immediately	-	Work is in progress.
23	10.5(4)	All herbivores enclosure should have a provision of a small enclosure cum shelter where feed is to be provided to the animals.	One year	-	Work is yet to be taken up within the constraints of space.
24	10.5(4)	The Zoo should provide secondary holding areas for safe movement of carnivores from primary enclosure for cleaning/ feeding/medical procedures etc.	One year	-	Will be taken up in the Master Plan as a priority item.

28. STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY

CONT..

25	10.5(2)(3)	The zoo should have a sufficient size functioning freezer for storage of meat and to keep it cold until it is fed to the animals.	Immediately	-	Complied.
1. Veterinary and Infrastructure Facilities					
26	10.6(3)	Zoo should have a post-mortem room for conducting post mortem as per the CZA Guidelines.	Immediately	-	Is being taken up in the Master Plan.
27	10.6(5)	The Zoo should have one qualified lab assistant/ compounder to assist the Veterinarian in healthcare of the Zoo animals.	Immediately	-	Vet Assistant is already posted and proposal for Lab assistant will be submitted in due course.
28	10.6(6)	Zoo should have a formal MoU on health care with the nearest veterinary institution and the MoU should contain names and contact details of person who will assist the Zoo in all aspects in health care management.	Immediately	-	Disease Investigation Unit of DAHVS and Vet. Unit, ICAR, Old Goa; help us in processing pathological samples as and when required.
9. Acquisition and breeding of animals.					
29	10.9(9)	To safeguard against uncontrolled growth in the population of wild boar, chowsingha and sambar the zoo should implement appropriate population control measures.	Immediately	-	Work is in progress.

28. STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY CONT..

30	10.9(4)	The zoo should acquire mates for single animals (Tiger, Elephant, Hippopotamus, Keel back Checkered snake, Trinket snake, Peafowl and Lady Amherst Pheasants etc) on priority basis.	Immediately	-	Complied in case of Peafowl. In case of Hippo steps to acquire mate is in progress.
10. Research Activities					
31	10.10	The zoo should implement a research plan conduct research on the prioritized species and specific areas of concern.	One year	-	Will be complied and now a RFO who is having Ph.D. is posted.
11. Education and Outreach Activities					
32	10.11	The zoo should have appropriate signages and education and outreach activities for conservation education of the visitors of the zoo.	One year	-	Is in progress.
12. Visitor Facilities					
33	10.12(1) and	The zoo should provide adequate civic facilities for visitors at appropriate and convenient places within the zoo including the physically disadvantaged persons.	Immediately	-	Complied.
34	10.12(3)	Appropriate arrangements should be made to provide access within the zoo to physically disadvantaged visitors including those in the wheel chair at all enclosures and civic facilities.	Immediately	-	Complied.

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

a. Mammals

Spotted Deer, Wild Pig, Palm Civet, Mongoose, Leopard, Common Langur, Bonnet Macaque, Sambar, Black Nape Hare, Giant Squirrel, Three Striped Squirrel etc.

b. Birds

Red Wattled Lapwing, Spotted Dove, Vernal Hanging Parrot, Asian Koel, Greater Coucal, Oriental Dwarf Kingfisher, White Throated Kingfisher, Bee Eaters, Barbet, Malabar Grey Hornbill, Malabar Pied Hornbill, Wood Peckers, Black Hooded Oriole, Iora, Racket Tail Drongo, Black Drongo, Shrike, Starlings, Orange Headed Thrush, Minivets, Bulbuls, Tickells Blue Flycatcher, Asian Paradise Fly Catcher, Malabar Whistling Thrush, Sunbirds, White Rumped Shama, Oriental Magpie Robin etc.

c. Reptiles

Monitor Lizard, Python, Cobra, Rat Snake, Russell Viper etc.

ACTIVITIES CARRIED OUT AT BONDLA ZOO 2017-18



Cleanliness Drive On 2nd Oct



On The Spot Drawing Competition



Essay Writing Competition



Nature Awareness Camp



Nature Awareness Camp



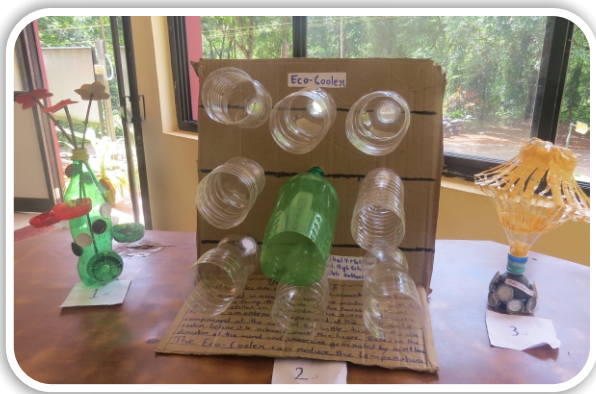
Screening Of Wildlife Documentary



Beehive Training



**On The Spot Drawing Competition
For Disabled Students**



Best Of Waste Competition



Cycle Rally (wildlife Week)



Cycle Rally (wildlife Week)



Prize Distribution by DCF/Zoo Director during Wildlife Week



World Wildlife Day Cycle Rally



World Wildlife Day Cycle Rally

SNAKES OF BONDLA ZOO



Indian Rock Python



Russell's Viper



Indian Rat Snake



Trinket Snake



King Cobra



Checkered Keelback



Cobra



**Common Bronzeback
Tree Snake**

INMATES OF THE ZOO





ECO-FRIENDLY COTTAGES AT BONDLA



Published By

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