

annual  
**REPORT**  
2018 - 2019

**ZOOLOGICAL GARDEN  
ALIPORE, KOLKATA**







ZOOLOGICAL GARDEN, ALIPORE. ESTD : 1875





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# 01 Report from the Director's Desk

The Annual Report of the Zoological Garden, Alipore, Kolkata for the year 2018-2019 is published with a hope of sustainable development. This Zoo has achieved successes on captive breeding of Indian Rock Python, Fresh water Crocodile, Water monitor lizard, Fishing cat-State animal of West Bengal, Mouse Deer- all belongs to Schedule-I under Wildlife (Protection) Act, 1972 and as amended up to date. We also successfully transported two nos. of Giraffes from Zoological Garden, Alipore to Nehru Zoological Park, Hyderabad under an exchange programme.

Constant sincere effort was made to maintain the animal health of the Zoo. Besides a Zoo Biologist, a Zoo Educator and an Education Assistant were appointed during this financial year to monitor the records, enclosure enrichment, and behavioral data of the inmates etc. and fulfill educational objectives of the Zoo respectively. Fascinating greenery, gardening and landscaping were added attraction to the visitors of the Zoo.

The Annual Report for the year 2018-2019 of Zoological Garden, Alipore provides all zoo enthusiasts and others about various aspects of management as well as developmental activities undertaken in the Zoo. I am optimistic that Zoological Garden, Alipore will continue to develop and grow as one of the best managed Zoos of the country.

I extend my sincere thanks to Sri Indeevar Pandey, IAS, addl. Chief Secretary, Department of Forests, Government of West Bengal, Sri N.K. Pandey, IFS, Principal Chief Conservator of Forests (HoFF), Government of West Bengal, Sri R.K. Sinha, IFS, Principal Chief Conservator of Forests, Wildlife and Chief Wildlife Warden, Government of West Bengal, Sri V.K. Yadav, IFS, Addl. Principal Chief Conservator of Forests and Member Secretary of West Bengal Zoo Authority and also all senior officers of Department of Forests, Government of West Bengal and Central Zoo Authority for their support and co-operation in successfully managing the Zoological Garden, Alipore in a best possible manner under the given situation. I also extend my thanks to all the officers and staffs of the Zoological Garden, Alipore for their immense support in managing zoo in the best possible manner.



(Asis Kumar Samanta, IFS)  
Director,  
Zoological Garden, Alipore







## 02 History of the Zoo

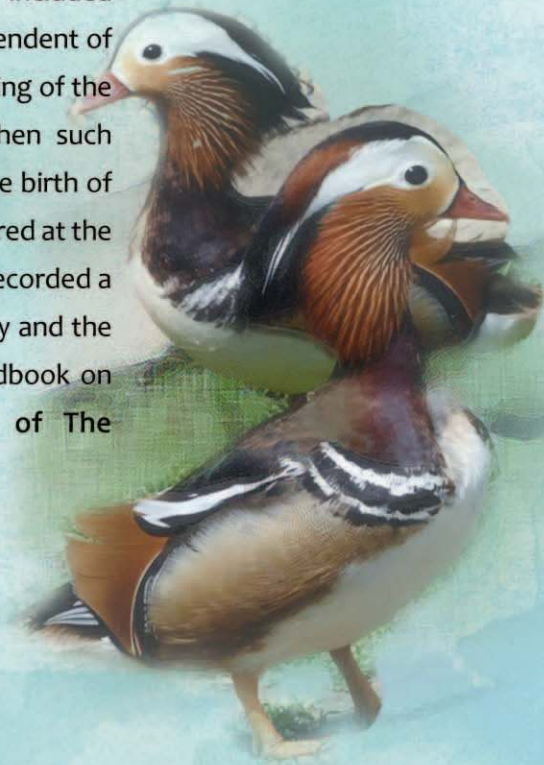
Since establishment of the Zoological Garden, Alipore on 24th September, 1875, Zoo has passed through several phases. Initially, the citizens of Kolkata at that time came forward with generosity in the process of establishing the Zoo with financial help and they also donated animals from their collections to the Zoo.



Old Burdwan House, 1885

Then land development started and some animal houses were constructed to house animals. “Mullick House” is the first animal house constructed within the Zoo with the financial help of Raja Rajendra Mullick Bahadur, the first Indian donor. Fowls and pheasants were kept within this house and they started to breed as early as in February, 1876. Followed by Mullick House, Burdwan House presently known as open air moated enclosure for lions, was constructed at a cost of Rs.35,000/-, the entire amount of which was donated by the Maharaja of Burdwan. Gradually other animal houses / enclosures came into being and named after their donors.

The park was initially run by an honorary managing committee which included Schwendler and the famous botanist George King. The first Indian superintendent of the zoo was Babu Ram Brahma Sanyal, who did much to improve the standing of the Alipore Zoo and achieved good captive breeding success in an era when such initiatives were rarely heard of. One such success story of the zoo was a live birth of the rare Sumatran Rhinoceros in 1889. The next pregnancy in captivity occurred at the Cincinnati Zoo in 1997, but ended with a miscarriage. Cincinnati Zoo finally recorded a live birth in 2001. Alipore Zoo was a pioneer among zoos in the 19th century and the early part of the 20th century under Sanyal, who published the first handbook on captive animal keeping. The name of the book was “A Handbook of The Management of Wild Animal In Captivity In Lower Bengal”.





The zoo had an unusually high scientific standard for its time, and the record of the *Cladotaenia* genus (Cohn, 1901) of parasites is based upon cestodes (flatworm) found in an Australian bird that died at the zoo.

After the establishment of Central Zoo Authority in India in the year 1992, open air moated enclosures for primates, white tiger, Indian elephants , Indian lions and mugger, gharial & salt water crocodile were constructed with the financial help of Central Zoo Authority. During this period, remodeling of open air moated enclosure for hippopotamus was also carried out with the financial assistance of Government of West Bengal.

Since shifting of management of the Zoological Garden, Alipore from the Management Committee to the West Bengal Zoo Authority in the month of August, 2009, several developmental activities started at the Zoo and because of those activities face of the zoo changed enormously.





## 03 About Us

### Basic Information About The Zoo

Sl.No.	Particulars	Information
01	Name of the Zoo	Zoological Garden, Alipore, Kolkata
02	Year of Establishment	1875
03	Address of the Zoo	2 No. Alipore Road, Kolkata-700027, West Bengal, India
04	State	West Bengal
05	Telephone Number	+913324791150 +913324399391
06	Fax Number	+913324791585
07	E-mail Address	Director: director@kolkatazoo.in Deputy Director: dydir@kolkatazoo.in Assistant Director: astdir@kolkatazoo.in
08	Website	<a href="http://www.kolkatazoo.in">http://www.kolkatazoo.in</a>
09	Distance from nearest	Airport: 17.4 km, Railway Station: 7 km Bus Stand: 0 km
10	Recognition valid up to (Date)	
11	Category of the Zoo	Large
12	Area (in Acre)	18.81 Ha.
13	No. of Visitors (Financial Year)	Adult: 2968774
		Children: 303573
		Total Indian: 3272237
		Total Foreigners: 110
		Total Visitors: 3272347 Aquarium Visitors: 152524
14	Visitors Facilities Available in Zoo	Proper Toilets, Resting Sheds at different locations, Decorative Benches, Drinking Water etc.
15	Weekly Closure Day of the Zoo	Thursday





## Management Personnel of the Zoo

16	Name with Designation of the Officer-in-Charge	Sri Asis Kumar Samanta, IFS Director
	Name of the Deputy Director	Dr. Piyali Chattopadhyay
	Name of the Assistant Director	Sri Pradip Kumar Datta, WBFS (Retd.)
	Name of the Veterinary Officer	Dr. Chayan Bhattacharya, Dr. Arnab Majie, Dr. Santanu Shome
	Name of the Curator	-----
	Name of the Biologist	Ms. Tania Chatterjee
	Name of the Dietician/Kitchen Supervisor	Mrs. Runia Ghatak
	Name of the Zoo Educator	Mrs. Rupsha Brahmachari
	Name of the Education Assistant	Ms. Moumita Sarkar
	Name of the Veterinary Assistant	Sri Sanjit Pandit

## Owner/Operator of the Zoo

17	Name of the Operator	Addl. Chief Secretary to the Govt. of West Bengal, Department of Forests, Government of West Bengal
18	Address of the Operator	Aranya Bhawan, Block-LA-10A, Sector-III, Salt Lake City, Kolkata-700106, West Bengal
19	Contact Details/Phone numbers of Operator	Phone: +913323355011 (EPABX), 033-2335-8755 FAX: +913323350012
20	E-mail Address of Operator	mswbza@gmail.com, wbzooauthority@yahoo.in





## 04 Vision & Mission

### Vision

To provide future direction for modernization & up gradation of the Zoological Garden, Alipore to such extent that in spite of being one of the oldest Zoos of India, it can be at par with one of the best Zoos of the country. For that purpose the available resources, planned breeding, research etc. would be the essential tools keeping in mind the constraints, limitations and inherent challenges of an old Zoo.



### Mission

The mission of the Zoological Garden, Alipore is “Conservation of wild animals from India and abroad with special reference to the wet land fauna and education & research for sustainable conservation of wild fauna which are under severe threat due to biotic interference”.





## 05 Objective

### Objectives of the Zoo

It is intended to develop this zoo on modern lines in conformity with the National Zoo Policy, 1998 with the following objectives in mind:

Make Alipore Zoo a conservation breeding centre of prominence in India with focus on species of the region with special emphasis on wetland fauna.

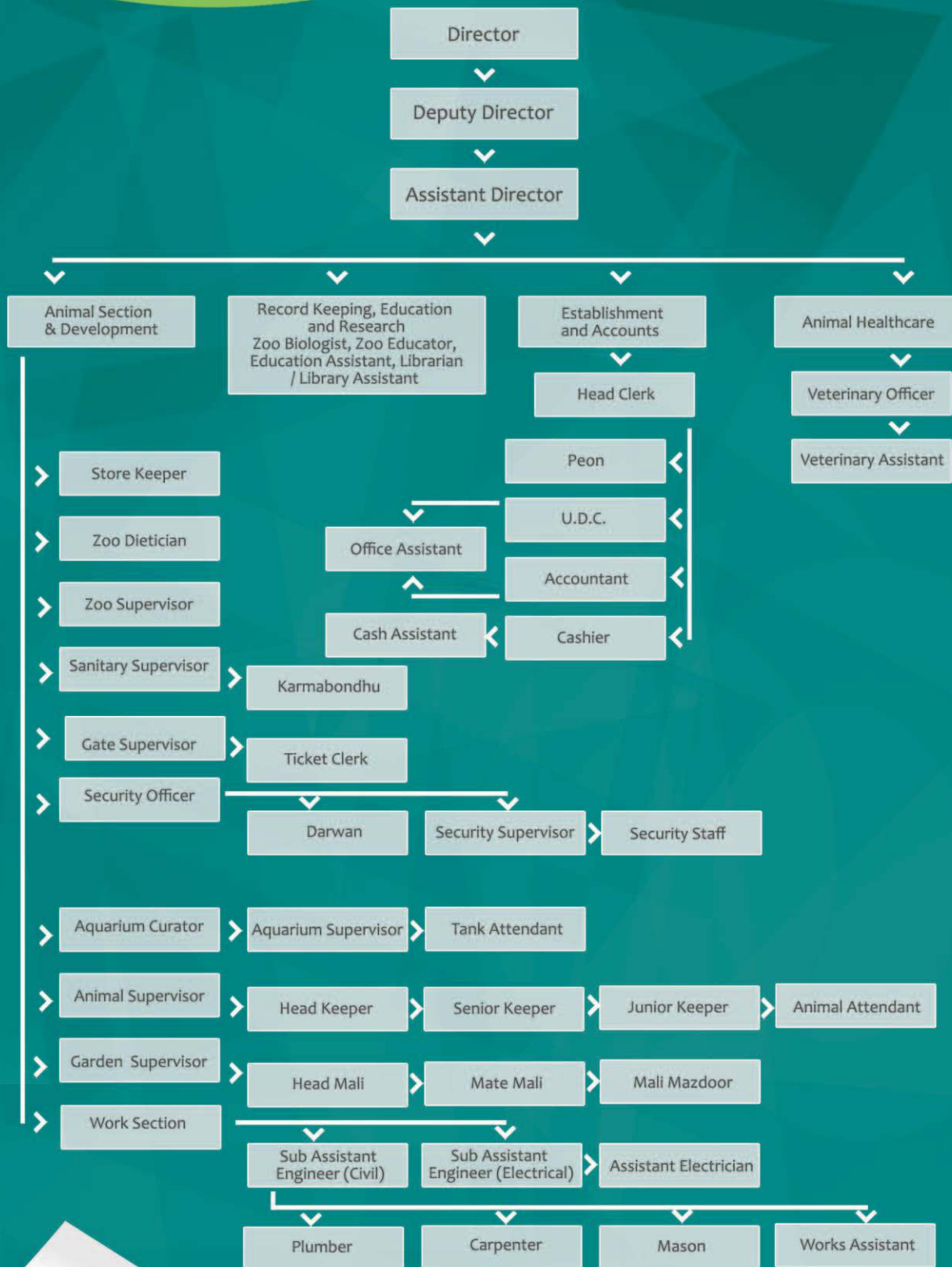
Make the zoo a centre for conservation and awareness for the visiting public, particularly the young ones, taking advantage of the large visitation of the metropolis and the surrounding region.

To initiate and conduct the research on wildlife in captivity and to disseminate the results thereof to other captive animal facilities for conservation of animals in this wild.





# 06 Organizational Chart



Note:- Security personnel and cleaning personnel deployed through outsourcing agency.



# 07 Human Resource

## Manpower of the Zoological Garden, Alipore

Sl. No.	Designation	Sanctioned Strength	Existing Strength
01	Director	1	1
02	Deputy Director	1	1
03	Asst. Director	1	1
04	Zoo Biologist	1	1
05	Dietician/Kitchen Supervisor	1	1
06	Zoo Educator	1	1
07	Education Assistant	1	1
08	Head Clerk	1	1
09	Accountant	1	1
10	Stenographer	1	1
11	Cashier	1	1
12	Upper Division Clerk	5	3
13	Store- Keeper	1	1
14	Lower Division Clerk	7	0
15	Demonstrator	1	0
16	Assistant Demonstrator.	1	0
17	Cash Collecting Sarkar	1	0
18	Librarian	1	0
19	Assistant Librarian	1	1
20	Gate Supervisor	2	1
21	Ticket Clerk	16	6
22	Asst. Engineer	1	1
23	Sub-Assistant Engineer (Civil)	2	1

24	Sub-Assistant Engineer (Electrical)	1	1
25	Works Assistant	2	1
26	Fitter	1	0
27	Carpenter	1	0
28	Assistant Wireman	1	1
29	Mason	1	1
30	Pumpman	1	0
31	Veterinary Surgeon	3	3
32	Technical Assistant	1	0
33	Field Assistant	1	1
34	Peon	7	6
35	Sweeper	5	3
36	Label Writer	1	0
37	Animal Supervisor.	2	2
38	Head Keeper	4	4
39	Senior Keeper	6	6
40	Junior Keeper	54	25
41	Head Mali	1	1
42	Mate -Mali	3	3
43	Mali Mazdoor	60	18
44	Head Durwan	3	1
45	Mate Durwan	3	2
46	Durwan	60	1
47	Curator of Aquarium	1	0
48	Aquarium Supervisor	1	0
49	Tank Attendent	6	2



উত্তর পশ্চিমবঙ্গ ব্যতীত সর্বত্র ভারতবর্ষে, নেপাল, বাংলাদেশ, এবং মায়ানমারে পাওয়া যায়।  
 ম্যানগ্রোভ জঙ্গলসহ বিভিন্ন ধরনের পরিবেশে থাকে। নিশাচর, এককী বন্যপ্রাণী।  
 মাসেপাশী, জল পান্যন করে।  
 ১০০ থেকে ১০৮ দিন গর্ভাবস্থার পর ২ থেকে ৪ টি বাচ্চা প্রসব করে।  
 ভারতবর্ষের জাতীয় প্রাণী; বন্যপ্রাণ সংরক্ষণ আইন ১৯৭২, যারা সুরক্ষিত।

**বাঘ** **BENGAL TIGER**  
*Panthera tigris tigris*

Found all over India except north-western region, Nepal, Bangladesh and Myanmar.  
 Lives in varied habitats including Mangrove forests. Nocturnal, solitary, carnivorous, loves water.  
 Gestation period 103 to 108 days; usually gives birth of 2-3 cubs.  
 National animal of India; protected under wildlife (protection) Act, 1972.

কিরোল বেঙ্গল টাইগার  
 নাম - রানী  
 বয়স - ১৩ বছর  
**ROYAL BENGAL TIGER**  
 NAME - RANI  
 AGE - 11 YEARS



# 08 Capacity Building of Zoo Personnel

Sl. No.	Name and Designation of Zoo personnel	Subject Matter of Training	Period of Training	Institution where the training attended
01	Mahouts/Elephant Keepers of Zoos in West Bengal	Capacity Building of Mahouts	28th January - 1st February, 2019	Assam State Zoo-cum-Botanical Garden, Guwahati
02	Mahouts/Elephant Keepers of Zoos in West Bengal	Capacity Building of Mahouts	25th March - 29th March, 2019	Assam State Zoo-cum-Botanical Garden, Guwahati
03	Zoo Keeper/Animal Attendant of Zoos in West Bengal	Training Programme on Capturing of Deer and Other Animals	28th- 29th March, 2019	Zoological Garden, Alipore
04	Zoo Keepers of Zoos in West Bengal	Capacity Building Training of Zoo Keepers of the Zoo	17th – 21st December, 2018	Bhagwan Birsa Biological Park, Ormanjhi, Ranchi, Jharkhand

## Training Programme on Capturing of Deer and other Animals

Zoological Garden, Alipore organized a two day training programme from 28th-29th March, 2019 for the Zoo Keepers and Animal Attendant of different Zoos of West Bengal for the betterment of the Keepers and Animal Attendant and the Zoos. Around 140 trainees participated in the programme. Sri Subrata Pal Chowdhury, Technical Assistant, Wildlife Wing, Govt. of West Bengal conducted and trained all



the participants. Veterinary officers of Zoological Garden, Alipore were also present at the event. The entire training was quite interesting and interactive. Different aspects were discussed in a very lively and practical way. All the Zoo Keepers and Animal Attendant of Zoological Garden, Alipore participated in the programme. From each Zoo 2 nos. of keepers participated in this event. The participating Zoos of West Bengal are:

- Harinalaya Deer Park, Kolkata, Garchumuk Deer Park, Howrah, South Khairbari Rescue Centre, Aliporeduar, Padmaja Naidu Himalayan Zoological Park, Darjeeling, Adina Deer Park, Malda, Burdwan Zoological Park, North Bengal Wild Animals Park, Siliguri, Surulia Mini Zoo, Sundarban Wild Animal Park, Jharkhali, Jungle Mahal Zoological Park, Jhargram, and Zoological Garden, Alipore.



# 09 Zoo Advisory Committee

a. Date of constitution : Governing Body constituted as on 23.12.2009

Chairman  
Vice Chairman

b. Members:

Member  
Member  
Member  
Member  
Member  
Special Invitee

1. Chief Secretary to the Govt. of WB
2. Addl. Chief Secretary, Dept of Forests, Govt. of WB
3. Principal Chief Conservator of Forest & Head of Forest Force, Govt. of WB
4. Principal Chief Conservator of Forest & Chief Wild Life Warden, Govt. of WB
5. Member Secretary, West Bengal Zoo Authority
6. Director, PNHZP
7. Director, Zoological Garden, Alipore
8. Director, Animal Husbandry & Veterinary Services, West Bengal
9. Joint Secretary, Dept. Of Forests, Govt. of WB

c. Dates on which Meetings held during the year: 09.04.2018





# 10 Health Advisory Committee

a. Date of constitution : 01.02.2018

b. Members:

1. Joint Secretary, ARD, IAH & VB, Kolkata
2. Veterinary Officer, ARD, IAH & VB, Kolkata
3. Specialist ARD, IAH & VB, Kolkata
4. Assistant Director, ARD, IAH & VB, Kolkata

Chairman  
Member  
Member  
Member

c. Dates on which Meetings held during the year : 27.04.2018









# 11 Daily feed Schedule of animals

SL NO.	SPECIES	FEED ITEM	QUANTITY (Kg.) / number per individual.		Day of Fasting
			Summer	Winter	
1.	Giraffe	Concentrated feed	4.85	4.85	No fasting day
		Sweet potato & carrot	4	4	
		Banana	3.5	3.5	
		Apple	2.5	2.5	
		Oranges	4	4	
		Green fodder & cut branches	10	10	
2.	Zebra	Concentrated feed	3.8	3.8	No fasting day
		Sweet potato & carrot	3.25	3.25	
		Hey grass	1.5	1.5	
3.	Barking Deer	Concentrated feed	0.6	0.6	No fasting day
		Sweet potato & carrot	0.3	0.3	
		Green fodder	1.3	1.3	
4.	Spotted Deer	Concentrated feed	1.5	1.5	No fasting day
		Sweet potato & carrot	0.8	0.8	
		Green fodder	4	4	
5.	Brow antlered Deer	Concentrated feed	3	3	No fasting day
		Sweet potato & carrot	0.6	0.6	
		Green fodder	3	3	
6.	Sambar Deer	Concentrated feed	4	4	No fasting day
		Sweet potato & carrot	1	1	
		Green fodder	4	4	
7.	Black Buck	Concentrated feed	1.5	1.5	No fasting day
		Sweet potato & carrot	0.4	0.4	
		Green fodder	2	2	
8.	Swamp Deer	Concentrated feed	3	3	No fasting day
		Sweet potato & carrot	0.8	0.8	
		Green fodder	2	2	
9.	Rhino	Concentrated feed	6	6	No fasting day
		Sweet potato & carrot	5	5	
		Green grass	40	40	
		Banana	4.5	4.5	
		Sugarcane Top	15	15	
10.	Hippo	Concentrated feed	8	8	No fasting day
		Sweet potato & carrot	3	3	
		Green grass	33	33	



SL NO.	SPECIES	FEED ITEM	QUANTITY (Kg.) / number per individual.		Day of Fasting
			Summer	Winter	
11.	Elephant	Rice	1.25	1.25	No fasting day
		Soaked gram	0.75	0.75	
		Paddy	0.5	0.5	
		Lentil	1	1	
		Wheat	1.25	1.25	
		Fodder	50	50	
		Sugarcane Top	37	37	
		Banana	5	5	
12.	Bear	Rice	0.5	0.5	No fasting day
		Wheat	0.3	0.3	
		Milk	0.5	0.5	
		Molasses	0.25	0.25	
		Honey	—	0.1	
		Sour Curd	0.25	—	
13.	Chimpanzee	Complan	2 tsp with 0.5kg milk & sugar	2 tsp with 0.5kg milk & sugar	No fasting day
		Bread	½ pound	½ pound	
		Musumbi	0.3	0.3	
		Apple	0.5	0.5	
		Banana	2	2	
		Dry fruits	0.1	0.1	
		Carrot & sweet potato	0.8	0.8	
		Lettuce	0.1	0.1	
14.	Marmoset	Lactogen	0.005	0.005	No fasting day
		Glucose powder	0.002	0.002	
		Banana(Kanthali)	0.1	0.1	
		Apple	0.01	0.01	
		Cucumber	0.005	0.005	
		Orange	0.005	0.005	
		Soaked gram	0.030	0.030	
		Bread	0.25	0.25	
		Boiled egg	1/3 daily	1/3 daily	
		Grapes & raisins	0.010	0.010	
15.	Nilgai	Concentrated feed	4	4	No fasting day
		Sweet potato & carrot	0.5	0.5	
		Green grass	3	3	
		Paddy straw	1	1	



SL NO.	SPECIES	FEED ITEM	QUANTITY (Kg.) / number per individual.		Day of Fasting
			Summer	Winter	
16.	Porcupine	Sweet potato & carrot	0.2	0.2	No fasting day
		Pumpkin	0.050	0.050	
		Soaked Gram	0.075	0.075	
		Bread	¼ pound	¼ pound	
		Banana	0.1	0.1	
		Other Vegetables	0.150	0.150	
17.	Kangaroo	Apple	0.25	0.25	No fasting day
		Carrots & sweet potato	0.40	0.40	
		Banana	0.20	0.20	
		Chattu	0.25	0.25	
		Jaggery	0.010	0.010	
		Beans	0.50	0.50	
		Watermelon	0.500	0.500	
		Cucumber	0.500	0.500	
		Oats & Grass	0.500	0.500	
18.	Mouse Deer	Carrots & sweet potato	0.250	0.250	No fasting day
		Chola & Corn	0.100	0.100	
		Apple & banana	0.100	0.100	
		Green grass	0.250	0.250	
19.	Tiger	Buffalo meat	8.5	11.5	Thursday
20.	Lion	Buffalo meat	8.5	10.5	Thursday
21.	Leopard	Buffalo meat	4.5	4	Thursday
22.	Jaguar	Buffalo meat	5	3	Thursday
23.	Hyena	Buffalo meat	4	3.5	Thursday
24.	Jackal	Live fowl	1	1.5	No fasting day
25.	Wolf	Live fowl	1	1.5	No fasting day
26.	Jungle Cat	Live fowl	1	1.5	No fasting day
27.	Fishing Cat	Live fish	1	1	No fasting day
28.	Crocodile	Live Fish	2-2.5	-	Mon,Wed,Fri,Sun
29.	Reptiles	Frogs, snakes etc	6 nos.	-	Given only on Thursday
30.	Monitor Lizards	Chicken	0.75(on Monday)	-	All day except Monday
		Fish	0.75(on Friday)	-	





SL NO.	SPECIES	FEED ITEM	QUANTITY (Kg.) / number per individual.		Day of Fasting
			Summer	Winter	
31.	Birds of Psittacidae Family	Soaked maize & gram	0.050	0.050	No fasting day
		Sunflower seed	0.025	0.025	
		Kusum seed	0.025	0.025	
		Ground nut	0.050	0.050	
		Sugar cane	0.050	0.050	
		Fruits	0.100	0.100	
		Milk & bread	0.075	0.075	
32.	Hill Moyna	Fruits	0.050	0.050	No fasting day
		Milk & bread	0.050	0.050	
33.	Adjutant stork	Fish(silver carp)	1	1	No fasting day
34.	Openbill stork	snail	1	1	No fasting day
35.	Mandarine Duck	Boiled maize	0.100	0.100	No fasting day
		Chicken mash	0.025	0.025	
		Boiled rice	0.025	0.025	
		Leafy vegetables	0.050	0.050	
		Egg	1 piece	1 piece	
		Chhattu	0.030	0.030	
36.	Pheasant	Soaked gram	0.020	0.020	No fasting day
		Soaked maize	0.020	0.020	
		Crushed maize	0.025	0.025	
		Chattu	0.010	0.010	
		Minced meat	0.020	0.020	
		Ants egg	0.020	0.020	
		Boiled egg	½ piece	½ piece	
		Leafy vegetables	0.025	0.025	
Pumpkin, onion, garlic	0.050	0.050			
37.	Black swan	Gram	0.050	0.050	No fasting day
		Paddy	0.050	0.050	
		Bajra	0.050	0.050	
		Red leaf	0.050	0.050	
38.	Horn bill	Egg	1	1	No fasting day
		Chattu	0.050	0.050	
		Minced meat	0.050	0.050	
		Fruit mixture	0.100	0.100	



SL NO.	SPECIES	FEED ITEM	QUANTITY (Kg.) / number per individual.		Day of Fasting
			Summer	Winter	
39.	Rosy pelican	Fish	1	1	No fasting day
40.	Painted Stork	Fish( silver carp/ fingerling)	0.500	0.500	No fasting day
41.	Otter	Live lata fish	1	1	No fasting day
42.	Tortoise	Chocked leafy vegetables	0.050	0.050	No fasting day
		Pumpkin	0.050	0.050	
		Cabbage	0.050	0.050	
		Cucumber	0.050	0.050	
43.	Brahminy Kite	Small fish	0.250	0.250	No fasting day
44.	Eagle	Buffalo meat	0.300	0.300	No fasting day
45.	Sarus Crane	Soaked gram	0.100	0.100	No fasting day
		Soaked maize	0.100	0.100	
		Paddy	0.100	0.100	
		Fish	0.100	0.100	
47.	Emu	Apple	0.3	0.3	No fasting day
		Musumbi	0.3	0.3	
		Egg	2	2	
		Beans	0.25	0.25	
		Mesh	0.75	0.75	
		Banana	24	24	
48.	Ostrich	Egg	2	2	No fasting day
		Beans	0.25	0.25	
		Mesh	0.75	0.75	
		Banana	24	24	
		Leafy vegetables	0.01	0.01	
		Soaked chhola/corn	0.5	0.5	





## 12 Vaccination Schedule of animals

Sl. No.	Species	Disease	Name of vaccine/ drug	Frequency	Route
1	Big cats	Trypanosomiasis	Injection Triquin	Twice in a year	Subcutaneous
2	Elephants	Foot & mouth disease	Injection rakshaovac	Twice in a year	Intermuscular
3	Big cats	Canine distemper	Injection purevax ferret (DNA recombinant vaccine)	0 day, 21 day, 42 day then twice in a year	Subcutaneous





# 13 Deworming schedule

Sl. No.	Name of the species	Drug used	Frequency	Remarks
1	Carnivores	Praziquantel, Pyrental pamoate	Quarterly	Regular faecal sample examination done, if found positive then deworming followed. Regular changing of deworming medicinal salt is practiced.
2	Herbivores & Primates	Fenbendazole or ivermectin or Albendazole	Twice in a year	
3	Reptiles (Python & Indian Rat snake)	Fenbendazole	Once in a year	
4	Birds	Fenbendazole or ivermectin or Albendazole	Twice in a year	



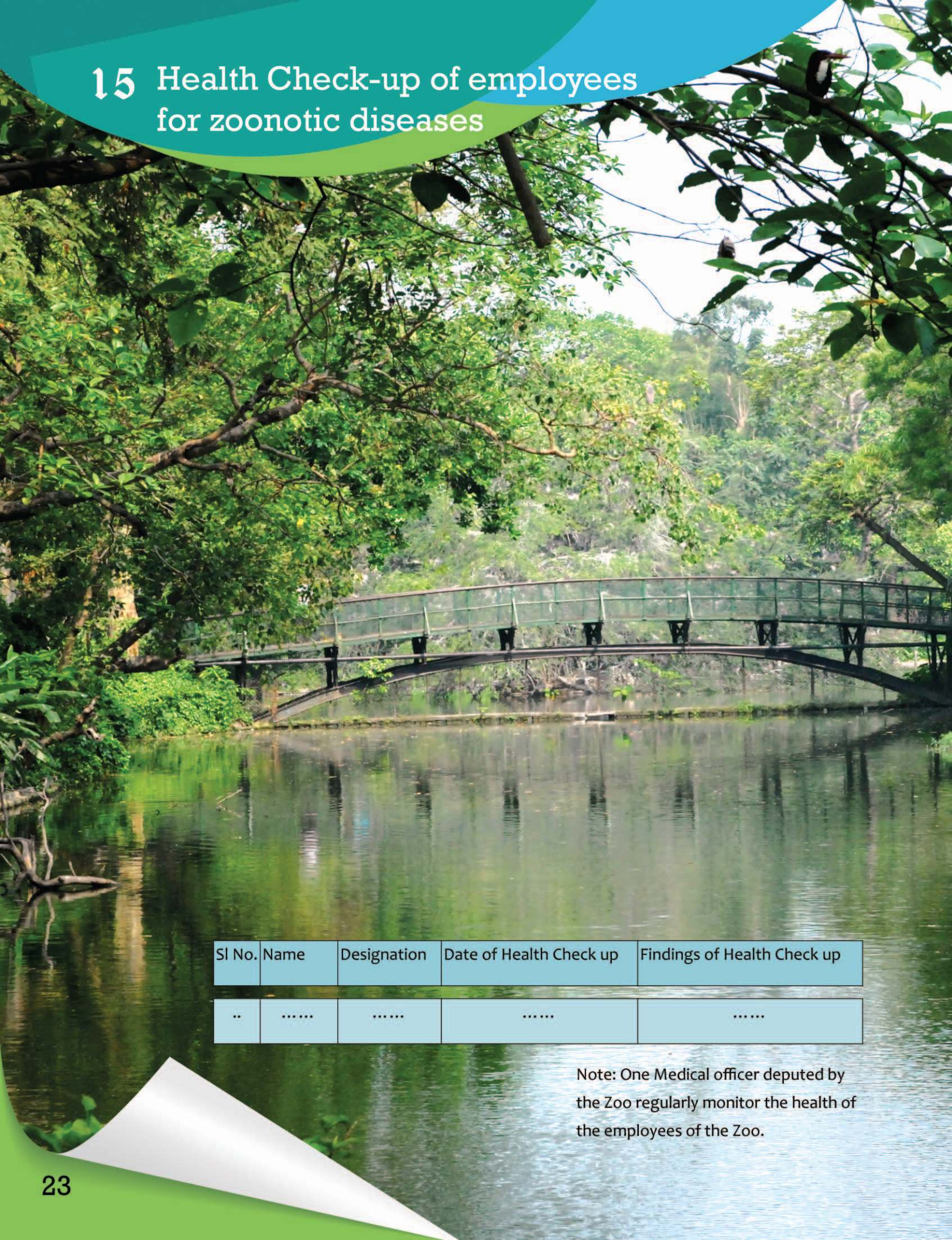


# 14 Disinfection Schedule

Sl. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of Disinfection
1	Carnivores	Entrance	2% KMnO <sub>4</sub> solution Foot bath	Daily changing
		Night shelter cum adjacent room/space	Kohrsolin Th solution (Glutaraldehyde,1,6, dihydroxy 2,5 dioxahexane, poly methyl derivatives) 5ml/lit of water for cleaning	Twice in a week
			Heating by blow lamp All walls & nets of enclosure	Once in a month
		Open are for animal roaming	Virkon S powder (Potassium peroxymonosulfate sodium chloride)	Once in a month
2	Herbivores	Entrance	2% KMnO <sub>4</sub> solution Foot bath	Daily changing
		Night shelter cum adjacent room/space	Kohrsolin Th solution (Glutaraldehyde,1,6, dihydroxy 2,5 dioxahexane, poly methyl derivatives) 5ml/lit of water for cleaning	Twice in a week
		Open are for animal roaming	Virkon S powder (Potassium peroxymonosulfate sodium chloride)	Once in a month
3	Reptiles	Entrance	2% KMnO <sub>4</sub> solution Foot bath	Daily changing
		Cubicle & segregation room	Kohrsolin Th solution (Glutaraldehyde,1,6, dihydroxy 2,5 dioxahexane, poly methyl derivatives)or cleaning	Twice in a week
4	Birds	Entrance	2% KMnO <sub>4</sub> solution Foot bath	Daily changing
		In enclosure	Kohrsolin Th solution (Glutaraldehyde,1,6, dihydroxy 2,5 dioxahexane, poly methyl derivatives) 5ml/lit of water for cleaning	Twice in a week



# 15 Health Check-up of employees for zoonotic diseases



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

Note: One Medical officer deputed by the Zoo regularly monitor the health of the employees of the Zoo.



# 16 Development works carried out in the Zoo during the year

## Construction of Anaconda Enclosure :

The new construction of Anaconda Enclosure is going on. The work started on 01/10/2018.



## Construction of Hyena Enclosure :

The construction of the Hyena Enclosure is going on. The work started 24/07/2018.



## Construction of Nocturnal House :

The conversion of Gubbay House into Nocturnal House is going on. The work started from April, 2018.



# 17 Education and Awareness programmes during the year

During this period we organized a number of awareness programmes which are as follows :

## 1. International Earth Day :

The International Earth Day was celebrated on 23/04/2018. To raise awareness and promote the importance of Earth Day and to end plastic pollution, International Earth day was observed on 23/04/2018. The main objective was to make people aware of the plastic pollution and its adverse effects on environment. The students and teachers of Bhangarh A.H. High Madrasah and officials of Zoological Garden, Alipore actively participated in the programme. Around 75-80 people attended the programme. After an interactive presentation by Anuradha Dutta, Zoo Educator, educational zoo visit was conducted.



## 2. The Earth Day Network :

For spreading awareness about the adverse effects of plastic on the environment and the plastic pollution, an awareness programme was organized on 27/04/2018. In collaboration with the Earth Day Network, Zoological Garden, Alipore organized the programme to promote the theme of plastic free world. Fifty students from different schools took part in the programme. They made paper bags to promote the idea of banning plastic bags. Shri Agni Mitra, IFS, Regional Deputy Director, WCCB Eastern Region also came forward and delivered an interactive lecture on plastic pollution.





### 3. Celebration of Rabindra Jayanti :

On the occasion of 125th Birth Anniversary of Kabiguru Rabindranath Tagore, a programme was organized on 11/05/2018. After lighting the lamp by Sri V.K. Yadav, IFS, Addl. PCCF and Member Secretary, WBZA, Govt. West Bengal, cultural programmes were organized by the staff of Zoological Garden, Alipore like song presentation, recitation etc. Sri Asis Kumar Samanta, IFS, Director, Zoological Garden, Alipore, Kolkata delivered a speech on “Prokriti Bhabnay Rabindranath”.



### 4. Swacch Bharat Mission :

In association with Zoological Survey of India, Kolkata, the Zoological Garden, Alipore, Kolkata had organized a cleanliness drive at different enclosures on 29th May, 2018. The main objective of the programme was to raise awareness on plastic pollution and beating plastic pollution. A procession with placards and banners was organized. Children of the staff of Zoological Garden, Alipore actively participated in the programme. At the end of the day, they were given gifts for their participation in the programme.





## 5. Celebration of World Endangered Species Day and World Biodiversity Day :

World Endangered Species Day is observed on 18th May and World Biodiversity Day is observed on 22nd May. To create awareness on these days, an awareness programme was observed at the Zoological Garden, Alipore. On 18.05.2018, around 56 students from Thanamakhua Model High School took part in the commemoration . Programmes were organized to promote the importance of the day, like sit-and-draw competition, procession with banners, placards, guided zoo visit, interactive presentation by the zoo educator etc. The attending faculty and students from the institution also shared their views.



## 6. Commemoration of World Giraffe Day :

On 21st June, 2018 World Giraffe Day was observed with zoo officials and staffs. A procession with banners was conducted upto the giraffe enclosure. Soon after the procession, the programme began with the welcome address by Shri V.K. Yadav, IFS, Addl PCCF & Member Secretary, West Bengal Zoo Authority, Govt. West Bengal. World Giraffe Day is very important for Zoological Garden, Alipore as one of the major attractions of the zoo are the Giraffe. There are a total of 11 giraffes which are of a superior variety. The keepers of the giraffe take proper care of the animals and help in their well being. For this reason, on World Giraffe day, the Giraffe Keepers and the Animal Supervisors of the wing were felicitated by Shri V. K. Yadav, Addl PCCF & Member Secretary, WBZA, Govt. West Bengal. Later an interactive presentation was delivered by the Zoo Educator. The programme continued for about 3 hours.





## 7. Seminar on standardization of animal diet and enrichment :

A seminar was organized to throw some insight into the Standardization of Animal Diet and Enrichment of Enclosures on 11.05.2018 at Zoological Garden. Shri V.K. Yadav, IFS, Addl. PCCF & Member Secretary, WBZA, Govt. of West Bengal and Officials of the Zoological Gaarden, Alipore along with the Veterinary Doctors attended the programme. After a brief cultural programme by the staff of Zoological Garden, Alipore, Interactive presentations were delivered by Smt. Runia Ghatak, Zoo Dietician and Smt. Tania Chatterjee, Zoo Biologist to promote awareness among the animal attendants and zoo keepers. Veteri-nary Officers of Zoo conducted an interactive session to throw more insight on the topic of discussion.



## 8. World Environment Day :

On 05.06.2018 to commemorate World Environment Day, a sit-and-draw competition and plantation was conducted to promote awareness amongst the children. Children of the staffs of the Zoological Garden, Alipore participated in the sit and draw competition. V.K. Yadav, IFS, Addl. PCCF & Member Secretary, WBZA, Govt. of West Bengal distributed the prize to the participating children. The sit-and-draw competition was followed by a plantation programme by V.K. Yadav, IFS, Addl. PCCF & Member Secretary, WBZA, Govt. of West Bengal and other Officials of the Zoological Garden, Alipore.





## 9. Vanmahotsab :

Vanmahotsab is the festival of planting Trees. The festival was observed at the Zoological garden, Alipore on 14th July, 2018. Hon'ble Chief Minister Smt. Mamata Banerjee penned slogan for this year's Vanmahotsab which is " Aranya o Banyapran, Prakriti Mayer Sabuj Daan" which goes quite too well with the activities of the zoo as both 'Aranya' i.e. forest and 'Banyapran' i.e. wild animals are conserved in the zoo.

On the morning of the event, the staff of Zoological Garden, Alipore assembled at the zoo compound and initiated the programme. The first tree was planted at the Glass Enclosure for tiger by Sri Asis Kumar Samanta, IFS, Director, Zoological Garden Alipore. He was joined by Dr. Piyali Chattopadhyay, Deputy Director, Zoological Garden, Alipore and other staff of the ZGA. It was heavily raining on the day, but the staff was very much enthusiastic about the programme. The sapling planting went on for the entire day till it was impossible to work for the rain. About 500 saplings of different species were planted around the zoo at many places. The Day was celebrated to make people more aware of the value of the trees and with hope that the saplings planted today grow into big trees and help the environment.





## 10. International Tiger Day :

International Tiger Day, an annual celebration to raise awareness for tiger conservation, was observed on 29th July, 2018 at Zoological garden, Alipore. The goal of the day is to promote a global system for protecting the natural habitats of tigers and to raise public awareness and support for tiger conservation issues. The Zoological Garden, Alipore organized a programme to commemorate International Tiger Day along with WWF-India, WBSO. Students of Baidyabati Charushila Bose Balika Vidyalaya and Santoshpur Sikshayatan participated in the day's events. Sri V.K. Yadav, IFS, Additional Principal Chief Conservator of Forests and Member Secretary, West Bengal Zoo Authority, Govt. of West Bengal and Smt. Saswati Sen; State Director of WWF were present at the event and shared their views. A procession with placards and banners was organized inside the zoo upto tiger enclosure. Students participated in a sit-and-draw competition and a short cultural programme organized by the visiting schools.





## 11. World Elephant Day :

International Elephant Day is observed on 12th August. The idea was initially launched to bring the urgent plight of Asian and African Elephant. Zoological Garden, Alipore plays an important role in conservation of Asian Elephant so the day was observed here. Janab Firhad Hakim, Hon'ble Minister In Charge, Urban Development and Municipal Affairs Department, Government of West Bengal, and Sri Binoy Krishna Barman, Hon'ble Minister In Charge, Department of Forests, Government of West Bengal inaugurated the Open Air Enclosure for Elephants. Sri Indeevar Pandey, IFS, Addl. Chief Secretary, Department of Forests, Government of West Bengal, Sri N.K. Pandey, IFS, Principal Chief Conservator of Forests, Head of Forest Force, Govt. of West Bengal, Sri R.K. Sinha, IFS, Principal Chief Conservator of Forests, Wildlife and CWLW, Govt. of West Bengal, Sri S.K. Barari, IFS, Principal Chief Conservator of Forests, General, Govt. of West Bengal, Sri V. K. Yadav, IFS, Addl. Principal Chief Conservator of Forests and Member Secretary, West Bengal Zoo Authority, Govt. of West Bengal, Sri Kalyan Das, IFS, Chief Conservator of Forests, South-East Circle, West Bengal were present with us on the day's events. There was an interactive presentation which was followed by a procession with placards and banners in the zoo. The students of participating schools, officials and staff of Zoological Garden, Alipore participated in the procession. A sit-and-draw competition was organized for the students. Students from Jote Shibrampur Shiksha Niketan (H.S) and members from Kidderpore Unit for Social and Welfare Activities participated in the programme.





## 12. Independence Day :

Like every year, on 15th August, 2018, 72nd Independence Day was celebrated at Zoological Garden, Alipore. Sri Asis Kumar Samanta, IFS, Director, Zoological Garden, Alipore hoisted the flag at the zoo premises. Dr. Piyali Chattopadhyay, Deputy Director, Zoological Garden, Alipore and other officials and staffs were present at the programme. Flag hoisting was followed by National Anthem. Plantation and a brief cultural programme followed. A cleanliness drive was arranged under the Swachh Bharat Programme. The officials and staffs of Zoological Garden, Alipore participated in the programme.

## 13. Zoo Festival :

Zoological Garden, Alipore recently hosted a five day long celebration of the Zoo Festival for the 2nd consecutive year. The 2nd Zoo Festival started on 14th November on the joyous occasion of Children's day and ended on 18th November. The Festival was inaugurated by Janab Firhad Hakim, Hon'ble Minister In Charge, Urban Development, Govt. of West Bengal, and Sri Binoy Krishna Barman, Hon'ble Minister In Charge Forests, Govt. of West Bengal, Sri V.K. Yadav, IFS, Additional Principal Chief Conservator of Forests, Member Secretary, West Bengal Zoo Authority, Govt. of West Bengal, Smt. Alka Yadav, Sri. N.K. Pandey; IFS, Principal Chief Conservator of Forests, Head of Forest Force, Govt. of West Bengal, Sri Arunava Roy, Director, Doordarshan, Sri Soumindranath Majumder, Professor of Art College, Govt. of West Bengal. The Inauguration programme was held at the Nature Information Centre Auditorium within the Zoo premises, in the presence of esteemed members of Zoo Authority and other officials and dignitaries.





#### 14. Visit from Vishakhapatnam Zoo :

A group of 5 officials- Deputy Director, Zoo Education Officer, Veterinary Officer, and Assistant Curator from Vishakhapatnam Zoo visited our Zoological Garden, Alipore from 2nd January to 3rd January, 2019.



#### 15. East India Tour Programme of Range officers :

The East India tour programme of Forest Range officers took place on 14th January, 2019 at Zoological Garden, Alipore. Smt. Priyadarshini, IFS, Deputy Director, Tamilnadu Forest Academy coordinated the entire programme. A group of 33 individuals including 2 faculties and 31 trainees of which 12 were ladies. A brief presentation was given on the activities and management of the Zoological garden, Alipore. The Zoo Biologist, Zoo Dietician, Zoo Educator and Education Assistant took part in the programme. Assistant Director of Zoological Garden, Alipore also participated in the guided Zoo visit followed by the presentation.





#### 16. Visit of NCC Cadets :

A visit of 90 trainees of NCC Cadets came for a visit to our Zoological Garden, Alipore on 20th January, 2019. The Assistant Director of Zoological Garden, Alipore along with other officials of the Zoological Garden, Alipore attended the programme. An interactive presentation given on the Zoological Garden, Alipore was given by the Education Assistant. The presentation was followed by a tour of the Zoo.

#### 17. Training of Forest Guards:

38 Forest Guard trainees came for visit and training along with their Instructor Sri Mantu Roy from Kharagpur Division. A brief presentation on the activities of Zoological Garden, Alipore was presented by Zoo Educator, Zoo Biologist, Zoo Dietician and Education Assistant.

#### 18. DVM Intern Training:

A short training programme for DVM Interns from Sylhet Agricultural University, Bangladesh was organised by Zoological Garden, Alipore. The programme was held from 13th to 15th February, 2019. The Veterinary Officers, Visiting Officials from ARD and WBVAHFS, Zoo Biologist and Zoo Dietician gave speech followed by practical training of the visiting interns.





# 18 Seasonal special arrangements for upkeep of animal

## 1. Special care for animals in summer

### Physical Methods of Cooling

- ⊗ Bathing of the animals and birds in the morning
- ⊗ Sprinkling of cold water in and around the aviaries
- ⊗ Shade at aviaries covering bamboo thatch, tarpaulin etc.
- ⊗ Installation of fans in reptile house, chimpanzee, tiger etc.
- ⊗ ORS has been provided to the animals.

## 2. Special care for animals in winter

### Physical Methods

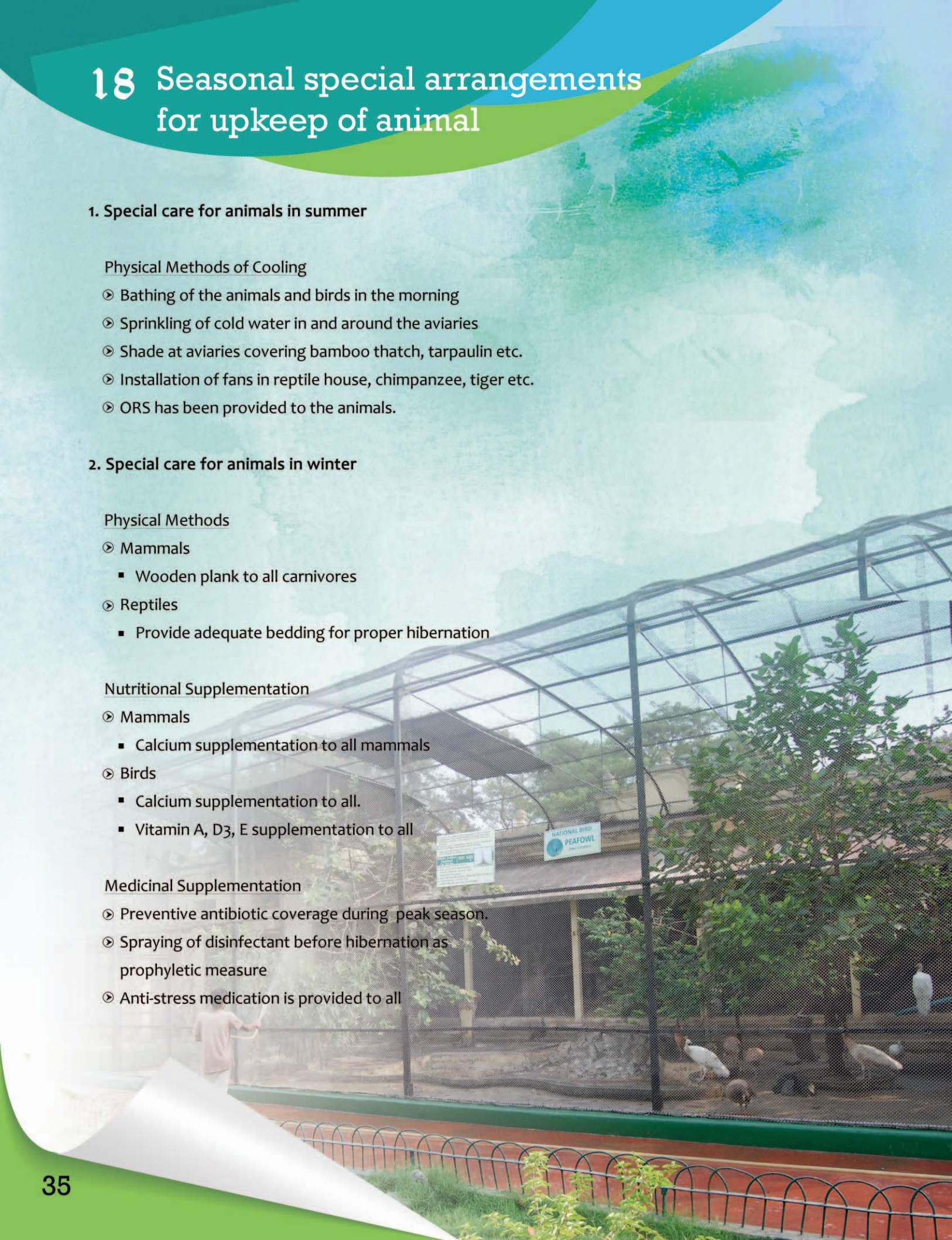
- ⊗ Mammals
  - Wooden plank to all carnivores
- ⊗ Reptiles
  - Provide adequate bedding for proper hibernation

### Nutritional Supplementation

- ⊗ Mammals
  - Calcium supplementation to all mammals
- ⊗ Birds
  - Calcium supplementation to all.
  - Vitamin A, D<sub>3</sub>, E supplementation to all

### Medicinal Supplementation

- ⊗ Preventive antibiotic coverage during peak season.
- ⊗ Spraying of disinfectant before hibernation as prophylactic measure
- ⊗ Anti-stress medication is provided to all





### 3. Special care for animals in winter

#### Physical Methods

- ⊗ Mammals
  - Wooden plank to all carnivores
- ⊗ Reptiles
  - Provide adequate bedding for proper hibernation

#### Nutritional Supplementation

- ⊗ Mammals
  - Calcium supplementation to all mammals
- ⊗ Birds
  - Calcium supplementation to all.
  - Vitamin A, D<sub>3</sub>, E supplementation to all

#### Medicinal Supplementation

- ⊗ Preventive antibiotic coverage during peak season.
- ⊗ Spraying of disinfectant before hibernation as prophylactic measure
- ⊗ Anti-stress medication is provided to all





## 19 Research Work carried out and publications

The following research project and publications going on in the Zoo.

1. Analysis of treatment provided & mortality of animals in all the Zoos under the control of WBZA in the last 10 years.
2. News letter published quarterly.





## 20 Conservation Breeding Programme of the Zoo



Indian Rock Python



Water Monitor Lizard



No such conservation breeding programme is entrusted by the Central Zoo Authority to the Alipore Zoo during this period. However captive breeding of endangered species under Schedule - I is going on like the Fishing cat (State animal), Mouse Deer, Indian Rock Python, Reticulated Python, Burmese Python, Water Monitor Lizard, Four Horned Antelope, Yellow Monitor Lizard etc.





# 21 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 of Zoo
	Royal Bengal Tiger	1:0=1	North Bengal Wild Animals Park, Siliguri	14.03.2019
B. Animals going from the Zoo				
H.NO.	Species	Number(M:F)	Going to which Zoo	Date of deposition from the Zoo
	Giraffe	1:1=2	Nehru Zoological Park, Hyderabad	04.03.2019





## 22 Rescue and Rehabilitation of wild animals carried out by the Zoo

During this period no rescue and rehabilitation of wild animals were carried out, however, sometimes animals seized by different departments like BSF, Department of Forests, Wild Life Crime Control Bureau, Directorate of Revenue Intelligence etc handed over to us as a custodian.





# 23 Statement of income and expenditure of the Zoo



## ZOOLOGICAL GARDEN, ALIPORE

**Profit & Loss A/c**  
1-Apr-2018 to 31-Mar-2019

Particulars	1-Apr-2018 to 31-Mar-2019	Particulars	1-Apr-2018 to 31-Mar-2019
Opening Stock		<b>SALES ACCOUNTS</b>	
<b>PURCHASE ACCOUNTS</b>		<i>Sales Bills to Make</i>	
<i>Purchase Bills to Come</i>			
<b>DIRECT EXPENSES</b>	<b>7,06,96,496.62</b>	<b>DIRECT INCOMES</b>	<b>11,61,65,496.50</b>
NATURE EDUCATION & AWARENESS GENERATION	14,11,627.50	GATE COLLECTION	9,42,84,785.00
NUTRITION AND HEALTHCARE EXPENDITURE	3,46,82,157.00	OTHER COLLECTIONS	2,77,870.00
RESEARCH & TRAINING	8,025.00	RENTAL INCOME	1,99,22,841.50
ZOO MAINTENANCE EXPENSES	3,45,94,687.12	SCHEME INCOMES	16,80,000.00
<b>INDIRECT EXPENSES</b>	<b>6,86,22,399.49</b>	<b>INDIRECT INCOMES</b>	<b>2,31,53,399.61</b>
NON - PLAN EXPENDITURES	6,86,22,399.49	INTEREST INCOME	13,12,128.00
		OTHER INCOMES	4,67,187.00
		TRANSFER OF UTILIZED FUNDS	2,13,74,084.61
Nett Profit		Closing Stock	
<b>Total</b>	<b>13,93,18,896.11</b>	<b>Total</b>	<b>13,93,18,896.11</b>



# 24 Annual Inventory of Animals



## Inventory From April, 2018 to March, 2019

Zoological Garden, Alipore : Endangered Species

Sl.No.	Animal Name	Scientific Name	Opening Stock				Births			Acquisition			Disposal			Deaths			Closing Stock											
			as on 01.04.2018																as on 31.03.2019											
<b>BIRDS</b>			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T								
1	Hill Myna	<i>Gracula religiosa</i>	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8								
2	Lesser Pied Hornbill	<i>Anthracoceros malabaricus</i>	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1								
3	Peafowl	<i>Pavo cristatus</i>	12	4	2	18	-	-	-	-	-	-	-	-	1	-	-	11	4	2	17	17								
4	Peafowl White		4	-	1	5	-	-	4	-	-	-	-	-	-	-	-	4	1	4	9	9								
5	Bhutan Grey Peacock Pheasant	<i>Polyplectron bicalcaratum</i>	6	-	-	6	-	-	-	-	-	-	-	-	1	-	-	5	-	-	5	5								
6	Kalij Pheasant	<i>Lophura leucomelana</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2								
7	Spoonbill	<i>Platylea leucorodia</i>	-	-	19	19	-	-	-	-	-	-	-	-	2	-	-	-	-	-	17	17								
<b>Total Birds</b>																			<b>61</b>								<b>59</b>			
<b>MAMMALS</b>			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T								
7	Himalayan Black Bear	<i>Ursus thibetanus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
8	Sloth Bear	<i>Melursus ursinus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2								
9	Black Buck	<i>Antilope cervicapra</i>	1	1	-	2	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	1								
10	Four Horned Antelope	<i>Tetracerus quadricornis</i>	1	-	2	3	-	-	1	-	-	-	-	-	-	-	-	1	1	2	4	4								
11	Swamp Deer	<i>Cervus duvauceli</i>	1	2	2	5	-	-	-	-	-	-	-	-	-	-	-	1	2	2	5	5								
12	Brow-antlered Deer	<i>Cervus eldi eldi</i>	7	4	1	12	-	-	4	-	-	-	-	-	-	-	-	7	4	5	16	16								
13	Mouse Deer	<i>Moschiola meminna</i>	3	2	-	5	-	-	2	-	-	-	-	-	-	-	-	3	2	2	7	7								
13	Fishing Cat	<i>Felis viverrinus</i>	2	1	2	5	3	-	-	-	-	-	-	-	1	-	-	5	2	-	7	7								
14	Jungle Cat	<i>Felis chaus</i>	1	-	-	1	-	-	-	10	1	-	-	-	-	-	-	11	1	-	12	12								
15	Asian Elephant	<i>Elephas maximus</i>	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	2								







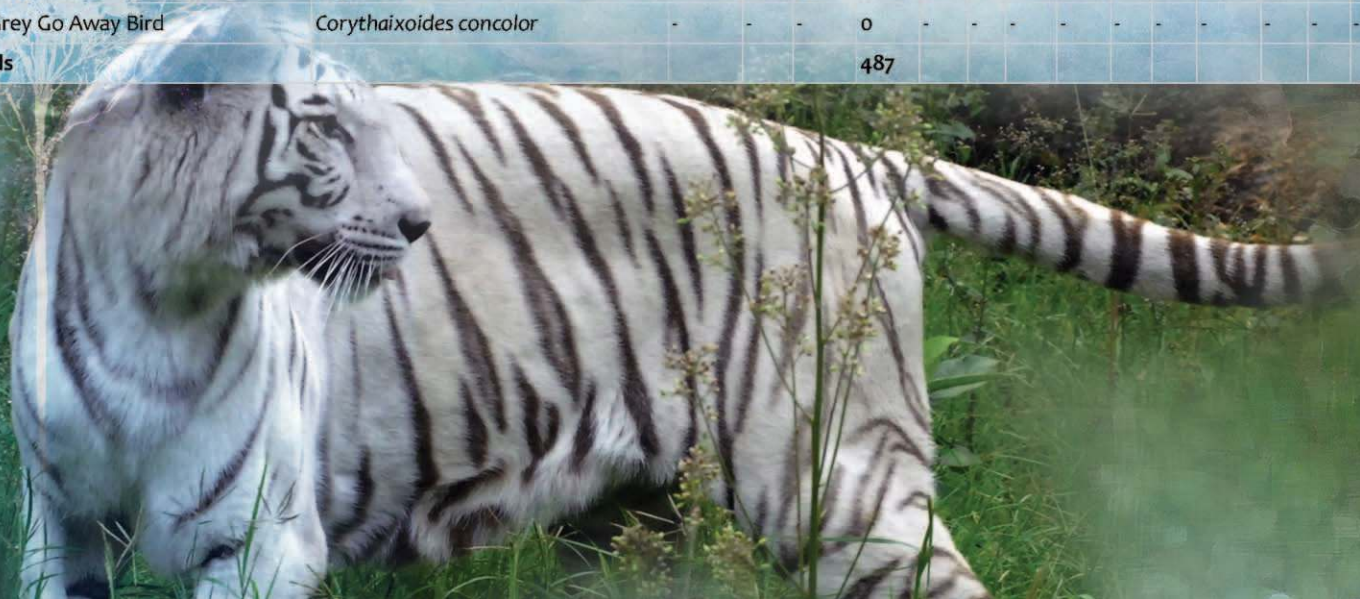


## Other Species : Zoological Garden, Alipore

BIRDS			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Budgerigar	<i>Melopsittacus undulatus</i>	-	-	19	19	-	-	-	-	-	-	-	-	2	1	-	-	16	16
2	Red Vented Bulbul	<i>Pycnonotus cafer</i>	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	5	5
3	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2
4	Cockatiel	<i>Nymphicus hollandicus</i>	-	-	30	30	-	-	-	-	-	-	-	-	3	-	-	-	27	27
5	Bare Eyed Cockatoo	<i>Cacatua sanguinea</i>	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	5	5
6	Greater Sulphur Crested Cockatoo	<i>Cacatua galerita galerita</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1
7	Goffin's Cockatoo	<i>Cacatua goffini</i>	-	-	4	4	-	-	-	-	-	-	-	-	2	-	-	-	2	2
8	Citron Crested Cockatoo	<i>Cacatua sulphurea citrinocristata</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1
9	Moluccan Cockatoo	<i>Cacatua moluccensis</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	3	3
10	Sarus Crane	<i>Grus antigone</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	3	3
11	Crown Crane	<i>Balearica regulorum</i>	1	2	-	3	-	-	-	-	-	-	-	-	1	-	1	1	-	2
12	Spotted Dove	<i>Spilopelia chinensis</i>	-	-	162	162	-	-	-	-	-	-	-	-	6	2	-	-	154	154
13	Mandarin Duck	<i>Aix galericulata</i>	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
14	Serpent Crested Eagle	<i>Dryotriorchis spectabilis</i>	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0
15	Emu	<i>Dromaius novaehollandiae</i>	3	3	-	6	-	-	-	-	-	-	-	-	-	-	3	3	-	6
16	Finches	<i>Taeniopygia guttata</i>	-	-	24	24	-	-	-	-	-	-	-	-	-	-	-	-	24	24
17	Red Jungle Fowl	<i>Gallus gallus</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1
18	Bar Headed Goose	<i>Anser indicus</i>	-	-	38	38	-	-	-	-	-	-	-	-	-	-	-	-	38	38
19	White Ibis	<i>Threskiornis aethiopica</i>	-	1	4	5	-	-	-	-	-	-	-	-	-	-	-	1	4	5
20	Brahminy Kite	<i>Haliastur indus</i>	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0
21	Koel	<i>Endynamys scolopacea</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	3	3
22	Red Wattled Lapwing	<i>Vanellus indicus</i>	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
23	Love Bird	<i>Agapornis sp.</i>	-	-	5	5	-	-	-	-	-	-	-	-	1	-	-	1	4	4
24	Macaw Blue & Yellow	<i>Are ararauna</i>	3	4	10	17	-	-	-	-	-	-	-	-	-	-	3	4	10	17
25	Macaw Red & Blue	<i>Are chloroptera</i>	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	1	1	2
26	Red Munia	<i>Estrilda amandava</i>	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0



27	Ostrich	<i>Struthio camelus</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
29	Large Indian Parakeet	<i>Psittacula eupatria</i>	5	2	-	7	-	-	-	-	-	-	-	-	1	2	-	4	-	-	4	
30	Blossom Headed Parakeet	<i>Psittacula cyanocephala</i>	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
31	Quaker Parakeet	<i>Myiopsitta monachus</i>	-	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	
32	Red Breasted Parakeet	<i>Psittacula alexandri</i>	-	-	5	5	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	
33	Rose Ring Parakeet	<i>Psittacula krameri</i>	-	-	39	39	-	-	-	-	-	-	-	-	-	-	-	-	-	39	39	
34	Grey Parrot	<i>Psittacus erithacus</i>	-	-	11	11	-	-	-	-	-	-	-	-	1	-	-	-	-	10	10	
35	Rosy Pelican	<i>Pelecanus onocrotalus</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
36	Spot Billed Pelican	<i>Pelecanus philippensis</i>	-	-	2	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	
37	Chinese Silver Pheasant	<i>Lophura nycthemera</i>	4	2	-	6	-	-	-	-	-	-	-	-	-	-	-	4	2	-	6	
38	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	1	3	-	4	-	-	-	-	-	-	-	-	-	-	-	1	3	-	4	
39	Golden Pheasant	<i>Chrysolophus pictus</i>	4	2	-	6	-	-	-	-	-	-	-	-	3	-	-	1	2	-	3	
40	Reeve's Pheasant	<i>Symaticus reevesi</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
41	Ring Necked Pheasant	<i>Phasianus colchicus</i>	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
42	Western Crowned Pigeon	<i>Goura cristata</i>	-	-	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	
43	Green Imperial Pigeon	<i>Ducula aenea</i>	-	-	5	5	-	-	-	-	-	-	-	-	1	-	-	-	-	4	4	
44	Homer Pigeon	<i>Columba sp.</i>	-	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	
45	Adjutant Stork	<i>Leptoptilos javanicus</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
46	Openbill Stork	<i>Anastomus oscitans</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
47	Painted Stork	<i>Mycteria leucocephala</i>	-	-	28	28	-	-	-	-	-	-	-	-	-	-	-	-	-	28	28	
48	BlackSwan	<i>Cygnus atratus</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
49	Mute Swan	<i>Cygnus olor</i>	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
50	Grey Go Away Bird	<i>Corythaixoides concolor</i>	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
<b>Total Birds</b>																					<b>487</b>	<b>450</b>





MAMMALS			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T		
51	Chimpanzee	<i>Pan troglodytes</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1		
52	Barking Deer	<i>Muntiacus muntjac</i>	9	9	9	27	-	-	-	-	-	-	-	-	8	5	-	1	4	9	14
53	White Fallow Deer	<i>Dama dama</i>	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	0	-	0	
54	Sambar Deer	<i>Cervus unicolor</i>	1	3	-	4	-	-	-	-	-	-	-	-	-	-	1	3	-	4	
55	Spotted Deer	<i>Axis axis</i>	11	15	-	26	-	-	-	-	-	-	-	-	2	2	-	9	13	-	22
56	Giraffe	<i>Giraffa camelopardalis</i>	4	5	-	9	-	-	-	-	-	-	-	-	-	-	4	5	-	9	
57	Hippopotamus	<i>Hippopotamus amphibius</i>	2	1	-	3	-	-	-	-	-	-	-	-	-	-	2	1	-	3	
58	Striped Hyena	<i>Hyaena hyaena</i>	2	-	-	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-
59	Indian Lion Hybrid		1	1	-	2	-	-	-	-	-	-	-	-	1	-	1	-	-	1	
60	Common Marmoset	<i>Callithrix jacchus</i>	1	3	5	9	-	-	-	-	-	-	-	-	1	-	1	2	5	8	
61	Nilgai / Blue Bull	<i>Boselaphus tragocamelus</i>	1	2	-	3	-	-	-	-	-	-	-	-	1	-	1	1	-	2	
62	Brush Tailed / Bengal Porcupine	<i>Hystrix indica</i>	1	1	3	5	-	-	-	-	-	-	-	-	-	-	1	1	3	5	
63	Grant's Zebra	<i>Equus burchrlli</i>	2	4	2	8	2	-	-	-	-	-	-	-	-	-	4	6	-	10	
64	Jaguar	<i>Panthera onca</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-	2	
65	Eastern Gray Kangaroo	<i>Macropus giganteus</i>	2	2	-	4	1	-	-	-	-	-	-	-	-	-	3	2	-	5	
<b>Total Mammals</b>						<b>105</b>														<b>86</b>	

REPTILES			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T		
66	Vine Snake	<i>Ahaetulla nasuta</i>	-	-	10	10	-	-	-	-	-	-	-	-	1	-	-	-	-	9	9
67	Golden Tree Snake	<i>Chrysopelea ornate</i>	-	-	10	10	-	-	-	-	-	-	-	-	1	2	-	-	-	7	7
68	Banded Krait	<i>Bungaurus fasciatus</i>	-	-	12	12	-	-	-	-	-	-	-	-	4	-	-	-	-	8	8
69	Common Krait	<i>Bungaurus caeruleus</i>	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
70	Sand Boa	<i>Eryx johnii</i>	-	-	1	1	-	-	-	-	-	-	-	2	-	-	-	-	-	1	1
71	Aldabra Tortoise	<i>Aldabrachelys gigantea</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-	2	
78	Indian Star Tortoise	<i>Geochelone elegans</i>	-	-	37	37	-	-	-	-	-	-	-	-	6	-	-	-	-	31	31
<b>Total Reptiles</b>						<b>73</b>														<b>58</b>	



## 25 Mortality of animals

Sl. No	Animal Name (with individual identification mark, if any)	Scientific Name	Date of Death	Sex	Reason of Death as per the post-mortem report
<b>MAMMALS</b>					
1	Jungle Cat	<i>Felis chaus</i>	22.04.2018	M	Traumatic shock and internal haemorrhage
2	Spotted Deer	<i>Axis axis</i>	23.04.2018	M	Multiorgan failure due to senility
3	Spotted Deer	<i>Axis axis</i>	09.06.2018	F	Cardiac Failure due to infighting injury
4	Barking Deer	<i>Miuntiacus muntjack</i>	13.06.2018	M	Respiratory failure as a result of infighting
5	Leopard	<i>Panthera pardus</i>	01.07.2018	F	Multiorgan failure due to senility
6	Hedge Hog		12.07.2018	F	Traumatic injury leads to internal haemorrhage
7	Hedge Hog		16.07.2018	M	Internal haemorrhage
8	Nil Gai	<i>Boselaphus tragocamelus</i>	20.07.2018	F	Multiorgan failure
9	Hedge Hog		12.08.2018	F	Fatty liver syndrome
10	Common Marmoset	<i>Callithrix sp.</i>	24.08.2018	F	Neurogenic shock due to Infighting injury
11	Spotted Deer	<i>Axis axis</i>	18.09.2018	M	Infighting injury
12	Barking Deer	<i>Miuntiacus muntjack</i>	24.09.2018	M	Urinary tract obstruction
13	Lion	<i>Panthera leo persica</i>	05.10.2018	F	Senility
14	Striped Hyena	<i>Hyaena hyaena</i>	16.10.2018	M	Senility
15	Barking Deer	<i>Miuntiacus muntjack</i>	27.10.2018	M	Cardio respiratory failure
16	Barking Deer	<i>Miuntiacus muntjack</i>	03.11.2018	F	FMD
17	Barking Deer	<i>Miuntiacus muntjack</i>	04.11.2018	F	FMD
18	Barking Deer	<i>Miuntiacus muntjack</i>	05.11.2018	F	FMD
19	Barking Deer	<i>Miuntiacus muntjack</i>	06.11.2018	F	FMD
20	Barking Deer	<i>Miuntiacus muntjack</i>	06.11.2018	M	FMD
21	Barking Deer	<i>Miuntiacus muntjack</i>	10.11.2018	F	FMD
22	Barking Deer	<i>Miuntiacus muntjack</i>	11.11.2018	F	FMD
23	Barking Deer	<i>Miuntiacus muntjack</i>	16.11.2018	F	FMD





24	Barking Deer	<i>Miuntiacus muntjack</i>	20.11.2018	F	FMD
25	Barking Deer	<i>Miuntiacus muntjack</i>	22.11.2018	F	FMD
26	Barking Deer	<i>Miuntiacus muntjack</i>	22.11.2018	M	FMD
27	Black Buck	<i>Antilope cervicapra</i>	04.12.2018	M	Chronic capture myopathy With renal failure
28	Spotted Deer	<i>Axis axis</i>	30.12.2018	M	Impaction of food
29	Spotted Deer	<i>Axis axis</i>	08.02.2019	F	Uterine infection
30	Fishing Cat	<i>Prionailurus viverrinus</i>	23.02.2019	F	Canine Distemper
31	Barking Deer	<i>Miuntiacus muntjack</i>	19.04.2019	M	Cardio-Respiratory failure
32	Four Horned Antelope	<i>Tetracerus quadricornis</i>	24.04.2019	F	Hydropericardium

#### BIRDS

1.	Bhutan Gray Peacock	<i>Polyplectron bicalcaratum</i>	26.04.2018	F	Death due to proventientitis
2.	Mexican Red Headed Amazon Parrot	<i>Amazona viridigenalis</i>	26.05.2018	M	Infighting
3.	Green Imperial Pigeon	<i>Ducula aenea</i>	13.05.2018	F	Multiorgan failure due to senility
4.	Spoon Bill	<i>Platelea leucorodia</i>	26.05.2018	M	Respiratory failure
5.	Java Sparrow	<i>Lonchura oryzivora</i>	12.05.2018	M	Predator's bite
6.	Java Sparrow	<i>Lonchura oryzivora</i>	12.05.2018	F	Predator's bite
7.	Mexican Red Headed Amazon Parrot	<i>Amazona viridigenalis</i>	04.07.2018	F	Infighting
8.	Goffin's Cockatoo	<i>Cacatua goffini</i>	09.08.2018	F	Enteritis
9.	Golden Pheasant	<i>Chrysolophus pictus</i>	16.08.2018	M	Nodular typhlitis
10.	Budgerigar	<i>Melopsittacus undulatus</i>	14.09.2018	F	Hepatic lipidosis
11.	Spoon Bill	<i>Platelea leucorodia</i>	24.09.2018	M	Pneumonia
12.	Spotted Dove	<i>Spilopelia chinensis</i>	03.10.2018	M	Pneumonia
13.	Crowned Crane	<i>Balearica regulorum</i>	15.10.2018	F	Air sac sacculitis, fibrotic in nature
14.	Red Headed Amazon Parrot	<i>Amazona viridigenalis</i>	23.11.2018	F	Enteritis
15.	Spotted Dove	<i>Spilopelia chinensis</i>	23.11.2018	M	Infighting injury
16.	Cockatiel	<i>Nymphicus hollandicus</i>	15.12.2018	M	Death due to crop impaction
17.	Cockatiel	<i>Nymphicus hollandicus</i>	15.12.2018	M	Enteritis
18.	Budgeriger	<i>Melopsittacus undulatus</i>	22.12.2018	M	Hepatic lipidosis
19.	Hill Mayna	<i>Gracula religiosa</i>	06.01.2019	F	Death due to clinically Fowl Cholera



## 26 Compliance with conditions stipulated by the Central Zoo Authority

During this period no conditions was stipulated by CZA for its compliance so it may be treated as nil.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time period to Comply	Since when pending	Status with regard to compliance of the conditions
-	-	-	-	-	-





## 27 List of free living wild animals within the zoo

- a. Mammals – Civet Cat, Flying Fox, Squirrel, Mongoose etc.
- b. Birds – King Fisher, Painted Stork, Night Heron, Egrets, Little Cormorant, Teal, Sparrow. Crow, Common Myna, Dove, Parakeet, Budge etc.
- c. Reptiles – Rat Snake, Water keelback, Monitor Lizard, Calotes etc.





## দতক প্রকল্প: ৩১টি পশুপাখি পেল 'অভিভাবক', চিড়িয়াখানার কোষাগারে ১১ লক্ষ



Students make clay models at the Alipore Zoo on Thursday. Picture by Sanjoy Chattopadhyaya

## Clay fun for kids at zoo

STAFF REPORTER

Alipore: A different zoo came up inside Alipore Zoo on Thursday. A tiger sat at one corner, a rhino and a hippo stared at each other.

The only difference was that the animals outside enclosures were lifeless. They were miniature clay models, made by schoolchildren.

The clay modelling competition was part of a festival at the zoo that started on Wednesday and will continue till Sunday.

Several white canopies were erected on the ground near the Swarnamoyee House — the shelter for birds — at the western corner of the zoo. The park wore a festive look, with the children busy making horns, tails and jaws from clay under the canopies.

Every second visitor to the zoo took a moment to pause and look at what was going on.

This is the second edition of the zoo festival. Apart from the usual lectures on wildlife and sit-and-draw events, the festival includes competitions in clay modelling and designing masks and T-shirts.

"The idea is to stoke interest about wildlife in the next generation. The future of zoos and parks hinges on the involvement of the young brigade," said zoo director Asis Kr Samanta.

The clay modelling competition, that saw the participation of more than 100 students, was the main attraction on Thursday. The participants were from around 25 schools in and around Calcutta, including Apeejay School, Kendriya Vidyalaya Command Hospital, Delhi Public School (Joka) and Gokhale Memorial Girls' School.

"We conduct clay modelling workshops at our school... But making a tiger after seeing one at the zoo is something you cannot replicate in a classroom," said Dipankar Ray, art teacher at Apeejay School, who accompanied his students to the zoo.

The students had a tour of the park before the contest. A couple of artists hired by the zoo then conducted a brief workshop on clay modelling for the students.

The kids were split into three groups — A (Class V-VII), B (Class VII-X) and C (Class XI and XII). The groups were tasked with making hippos, rhinos and tigers, respectively.

Sounak Dey, a Class VIII student at Apeejay School, made a rhino. "I have been to the zoo several times but never had so much fun," he said.

The winner of each group got Rs 5,000, the first runner-up Rs 3,000 and the second runner-up Rs 2,000.

নিজস্ব প্রতিনিধি, কলকাতা: ১১ লক্ষ ৫০ হাজার টাকার বিলিনমে আলিপুর চিড়িয়াখানায় ৩১টি প্রাণীর দতক প্রক্রিয়া সম্পন্ন হল। মঙ্গলবার পরিবেশ দিবস উপলক্ষে চিড়িয়াখানায় এই অনুষ্ঠানের আয়োজন করা হয়েছিল। সেখানে দতক নেওয়ার স্বভঃস্ফূর্ততা দেখে অভিভূত চিড়িয়াখানা কর্তৃপক্ষ। তবে এদিন যাঁরা দতক নিতে এসেছিলেন, তাঁদের মধ্যে একটা অংশ ছিল স্কুল ছাত্রছাত্রী ও তার পরিবার। গত কয়েক বছর দতক নেওয়ার প্রক্রিয়ার ভাটা পড়েছিল। কিন্তু এবার যে সাড়া পাওয়া গেল, তাতে খুশি কর্তৃপক্ষ। মনুর, সজারু, হনবিল, মেছো বিড়াল, হরিণ, জিরাফ, জাগুয়ার, ম্যাকাও, মাউস ডিম্যারদের মতো পশুপাখিরা পেল অভিভাবক। তাঁদের হাতে তুলে দেওয়া হল স্যাটিকিট। এদিন থেকেই ওইসব পাখি ও প্রাণীর খাঁচার বাইরে 'অভিভাবক'দের নাম বুলিয়ে দেওয়া হয়েছে। তবে দতক নিয়ে চমকে দিয়েছে স্টেট ব্যাঙ্ক অব ইন্ডিয়া (এসবিআই)। তারা মোট ৯টি প্রাণী দতক নিয়েছে। তার মধ্যে রয়েছে সাতটি জিরাফ এবং দুটি জাগুয়ার। সব মিলিয়ে তারা ব্যয় করেছে ৯ লক্ষ টাকা। গত বছরই চিড়িয়াখানায় এসেছে ছাটি মাউস ডিম্যার ও জাগুয়ার। তাদেরও দতক নেওয়া হল। ব্যাঙ্ক বা কোনও সংস্থা ছাড়াও ব্যক্তিগত উদ্যোগে দতক প্রক্রিয়ায় অংশগ্রহণ করেছেন অনেকে। তবে গত কয়েক বছরের পরিসংখ্যানে দেখা যাচ্ছে, ২০১৩-১৪ সালে মথল প্রথম এই প্রক্রিয়া শুরু হয়, তখন দতক নেওয়ার উৎসাহ ছিল সবচেয়ে বেশি। সেবার ৪২টি প্রাণীকে দতক নেওয়া হয়েছিল। ব্যক্তি ও সংস্থা মিলিয়ে ২৯টি 'পার্ট' তাতে আগ্রহ দেখিয়েছিল। কিন্তু সেই আগ্রহ ক্রমশ কমতে থাকে। গতবছর যেমন মাত্র পাঁচজন এগিয়ে এসেছিল। কিন্তু এবার এক লাখ এত সংখ্যক প্রাণী দতক নেওয়া হল, তা নিয়ে স্টেট জু অথরিটির সদস্য সচিব বলেন, অনেকেই দতক নিয়েছেন। গত কয়েক বছর তা কমে গিয়েছিল। এবারের ছবি বেশ ভালো। দতক নেওয়া এক ছাত্রী বলেন, বন্যপ্রাণী সংরক্ষণের কারণেই আমি এগিয়ে এসেছি। চিড়িয়াখানা সূত্রে খবর, দতক নেওয়ার প্রক্রিয়া আগেই হয়ে গিয়েছে। কেউ অলদায়িলা টাকা দিয়েছেন, তো কেউ সরাসরি। এদিন স্যাটিকিট তুলে দেওয়া হল শুধু। চিড়িয়াখানা সূত্রে জানা গিয়েছে, এখনও অনেক প্রাণী রয়েছে, যাদের দতক নেওয়া হয়নি। কিন্তু এমনও কিছু প্রাণী আছে, যারা 'অভিভাবকহীন' হয়ে পড়ল। যেমন, হাতি, বাঘ এবং গণ্ডার। তাদের দতক নেওয়া হলেও, দতক নেওয়া সংস্থা আর চুক্তি নবীকরণ করায়নি। ফলে তাদের আবার দতক নেওয়া যেতে পারে। দতক প্রক্রিয়ায় যে টাকা এল চিড়িয়াখানার কোষাগারে, তা মূলত এই প্রাণীদের খাবার এবং ওষুধে খরচ করা হবে বলে জানিয়েছেন অধিকর্তা আশিস সামন্ত।

# চিড়িয়াখানা নোংরা করলেই জরিমানা

স্টাফ রিপোর্টার : দক্ষিণেশ্বর স্বাইওয়াকের পর এ বার আলিপুর চিড়িয়াখানা। আলিপুর চিড়িয়াখানা নোংরা করলে এ বার থেকে দিতে হবে জরিমানা। শুধু তা-ই নয়, যিনি নোংরা করবেন তাঁকেই ওই নোংরা পরিষ্কার করতে হবে। চিড়িয়াখানা কর্তৃপক্ষ এই সিদ্ধান্তের কথা জানিয়ে বলেছে, দায়ীদের চিহ্নিত করতে বিশেষ নজরদারি চালানো হবে।

প্রসঙ্গত, মুখ্যমন্ত্রী মমতা বন্দ্যোপাধ্যায় উদ্বোধন করে যাওয়ার ২৪ ঘণ্টার মধ্যেই যত্রতত্র পান ও গুটখার পিকে রাস্তা হয়ে

ওঠে স্বাইওয়াক। কোথাও কোথাও দেখা মেলে আবর্জনাও। সেইসব আবিষ্কারের পরই সিদ্ধান্ত হয়, স্বাইওয়াক নোংরা করলে আর্থিক জরিমানা করা হবে। দক্ষিণেশ্বরের স্বাইওয়াকের অভিজ্ঞতা থেকেই শিক্ষা নিয়ে চিড়িয়াখানার এই পদক্ষেপ। চিড়িয়াখানা সূত্রে জানা গিয়েছে, টিকিট কাউন্টার ও সাপের এনক্লোজারের আশাপাশই নোংরা করা হয় সব চেয়ে বেশি। তা ছাড়া, চিড়িয়াখানায় চোখ মেললেই দেখা যায়, যেখানে সেখানে পড়ে রয়েছে জলের বোতল, চিপস ও বিভিন্ন খাবারের

প্যাকেট। আর পান ও গুটখার পিক তো যত্রতত্র। পরিবেশ নোংরা রুখতে চিড়িয়াখানায় শুধু আর্থিক জরিমানা দিলেই হবে না, দায়ী ব্যক্তিকে সেই নোংরা পরিষ্কারও করে করতে হবে বলেই বিজ্ঞপ্তি জারি করতে চলেছে চিড়িয়াখানা কর্তৃপক্ষ। ডিসেম্বরের প্রথম সপ্তাহেই সেই বিজ্ঞপ্তি জারি করা হবে।

যদিও প্রশ্ন উঠেছে, যে অসংখ্য মানুষ চিড়িয়াখানা ঘুরতে আসেন, তাঁদের ওপর কি নজরদারি চালানো সম্ভব? তথ্য বলছে, ২০১৭ সালে চিড়িয়াখানা ঘুরতে এসেছিলেন ৩৬ লক্ষেরও বেশি মানুষ।

২০১৮ সালে সেই সংখ্যাটা ইতিমধ্যেই ছাড়িয়ে গিয়েছে। চিড়িয়াখানায় খাবার আনার ক্ষেত্রে বা খাবারের প্যাকেট ফেলার ক্ষেত্রে সর্বত্র নজরদারি যে সম্ভব নয়, তা অবশ্য মেনে নিচ্ছেন কর্তারা। চিড়িয়াখানার অধিকর্তা আশিসকুমার সামন্ত অবশ্য জানান, "কিছু মানুষ গুটখা, খৈনি খেয়ে থুতু ফেলে পরিবেশ নষ্ট করেন। তাই টিকিট কাউন্টার-সহ বিভিন্ন খাঁচার আশপাশে আমরা নজরদারি বাড়িচ্ছি। এ বছর থেকে ফাইনেরও ব্যবস্থা হচ্ছে। আর ধরতে পারলে ওঁদের দিয়েই পরিষ্কার করানো হবে।"



**The Telegraph :**

**Adoption surge at zoo**

Mouse deer for joint family, peacock for dad  
Debraj Mitra Jun 05, 2018 00:00 IST



Fishing cat. ( Pradip Sanyal)

• Cousins Subhasree and Rushati Chowdhury dropped in at Alipore zoo on Tuesday to collect the papers for six mouse deer the family has adopted

• Anusuya Chatterjee was in for a double surprise - an adopted peacock that greeted her with a dance

**Alipore:** The animal adoption programme at Alipore zoo has picked up after three years of lull. As many as 31 animals have been adopted by individuals and institutions since April 1 for a little over Rs 11 lakh, zoo officials said.

The adoption programme was launched with much fanfare in August 2013. Forty-two animals were adopted in 2013-14 by 29 people for Rs 24 lakh. The count dropped thereafter. Only 10 animals were adopted in 2017-18 and 13 in 2016-17.

The State Bank of India has adopted seven giraffes and a pair of jaguars.

**A PET AT THE ZOO**

Animal	Rate (Rs)
Tiger/Lion/Elephant	2 lakh
Hippopotamus/Rhino/Jaguar/Giraffe	1 lakh
Hyena/Wolf/Kangaroo/Red Panda/Zebra	60,000
Crocodile/Gharial/Chimpanzee/Bear	40,000
Primates and small carnivores	20,000
Birds/snakes/porcupine/small herbivore	10,000

The Chowdhurys of Behala chose to adopt mouse deer - tiny deer without antlers and slender legs - as it is an endangered animal. "We live in a joint family. It feels great to have six new family members," said Subhasree, a student of The Bhawanipur Education Society College. The rates vary (see chart). Tigers, lions and elephants are the costliest at Rs 2 lakh. The names of people who adopted animals are not disclosed. The adoption is valid

**Zoo crowd eases birth pangs**

DEBRAJ MITRA

Alipore: A giraffe that went into labour on one of the busiest days at the zoo was saved the trauma of giving birth in a noisy environment when, the New Year's Eve crowd unexpectedly dispersed on being told that a commotion could cause her to suffer miscarriage.

Lakshmi, the expectant mother, was seen straggling a healthy male calf for over an hour later, the cooperative crowd having made the zoo staff's job much easier than they had expected it to be.

"We cannot thank the visitors enough. They could have refused to vacate the area because they had paid for tickets to enter the zoo. They showed great magnanimity," Asis K Samanta, the director of central India's largest zoo, said.

The strength of the zoo's giraffe herd after the newest arrival is 11.

Extra issues, the giraffe enclosure in the western corner of the zoo, had been teeming with visitors when eight-year-old Lakshmi showed symptoms of going into labour. A team of veterinarians and zoo keepers had been monitoring her condition for more than 10 days as she approached full term.

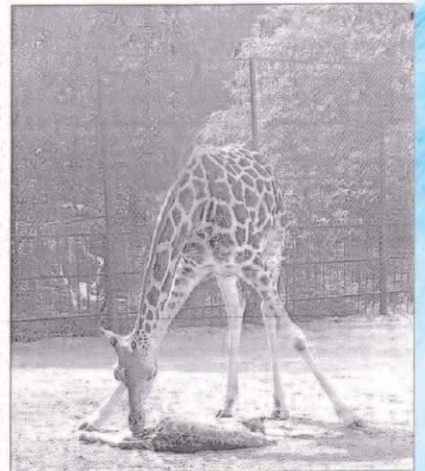
The average gestation period of giraffes is 13-14 months, occur only to elephants in equine/ovine mammals species.

Lakshmi was expected to give birth later this week. At 11:15 after 11.15am on Monday, she started getting restless. The hind legs of the calf peeked out in minutes later," one of the zoo keepers said.

Since the area around the enclosure was crowded, the zoo looking after the giraffe knew it would be a challenge to keep her calm.

"There have been a few hundred people around the enclosure. Scores of others at its fringe on the adjacent grounds, some eating from umbrellas," a zoo official said.

"Lakshmi appeared to be calmed but then persisted, possibly even a miscarriage."



Lakshmi, an eight-year-old giraffe at Alipore zoo, with her newborn after giving birth on New Year's Eve

Some of the officials and guards deployed near the enclosure went up to the visitors and requested them to vacate the area, citing Lakshmi's condition. "I still did not want to take closure, so I called the officer in charge of Volunteering and asked him to send a team, just in case the crowd refused to budge," the zoo director said.

By the time a police team arrived, the crowd had vacated the area. Barricades were put up by the police on either side of the hallway leading to the enclosure. The other giraffes were herded into one of the

Giraffes give birth standing and Lakshmi's calf had his first water up call when he fell to the ground from around six feet. The embryonic sac burst on impact and the new mother immediately began licking her newborn, as if to good him into standing up.

The calf, around five feet tall and weighing 40kg at birth, was up and about by around 1.15pm.

"The calf is healthy and joyful. The zoo could not have a better New Year gift," said V. K. Yadav, member secretary of the Bengal Zoo Authority.

Mother and child will share the other shelter in the enclosure with the other giraffes.



The calf is up and about two hours after its birth

**METRO**

THE TELEGRAPH CALCUTTA WEDNESDAY 14 NOVEMBER 2018

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**Bengal Safari tiger to raise count in zoo**

DEBRAJ MITRA

Alipore: A tiger from Bengal Safari near Siliguri will be brought to Alipore zoo in December to help increase the big cat count.

Alipore zoo has four male and three female tigers. But the males are more than 12 years old and their vitality is on the wane, a zoo official said.

Snehasish, the four-year-old male to be brought from the North Bengal Wild Animal Park (Bengal Safari), is not unfamiliar with Alipore zoo.

Snehasish and Sheela were brought to the city from Nandankanan zoo in Odisha in February 2016. They spent a little less than a year at the Calcutta zoo before being shifted to Bengal Safari in December 2016.

Chief minister Mamata Banerjee inaugurated the North Bengal park in January 2016 to boost tourism. Sheela was then two-and-a-half-years-old, while Snehasish was two.

This May, Sheela delivered three cubs at the North Bengal park. Officials at the park said Sheela and Snehasish had mated a few months ago. Tigers have a gestation period of 100-110 days.

"Snehasish will be brought to Alipore next month. The date has not been finalised, though. The date of his return



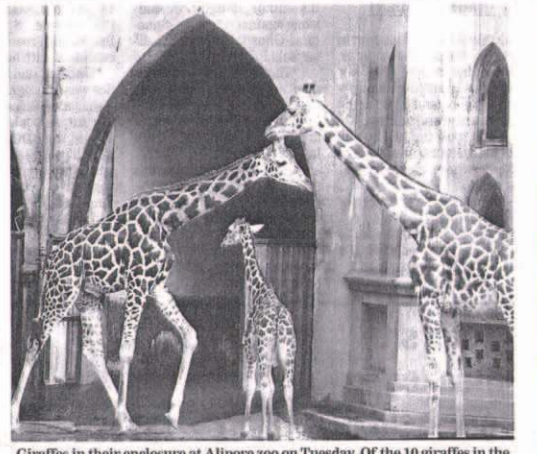
Six-year-old Payel at Alipore zoo



A white tiger at Alipore zoo

“Snehasish, 4, will be brought back to Alipore from Bengal Safari near Siliguri next month. The date has not been finalised, though. The date of his return will depend on the success of the breeding programme here.

V. K. YADAV member secretary, West Bengal Zoo Authority



Giraffes in their enclosure at Alipore zoo on Tuesday. Of the 10 giraffes in the zoo, two will be sent to Hyderabad in December. Picture by Pradip Sanyal

will depend on the success of the breeding programme," V.K. Yadav, member secretary of the West Bengal Zoo Authority, said.

Female tigers reach sexual maturity at three years and males around four, Asis Kumar Samanta, director of Alipore zoo, said.

The ideal breeding period

is from November to February-March, Samanta said.

Payel, 6, and Rani and Rupa, both 10, are the female tigers at Alipore zoo.

Rupa is a white tigress. There are two white males as well, Vishal and Rishi. Raja and another male are Bengal tigers.

The other male, originally

from the Sunderbans, was suffering from a leg ailment and underwent surgery at the zoo hospital in August 2016.

A team of five vets removed a fibroid mass from its right front knee. The tiger had strayed into a village in Kullital, South 24-Paragnas, and was captured by forest guards on December 24, 2015. It was

limping and could not hunt properly.

**Giraffe**

Two giraffes—three-year-old Sunny and one-and-a-half-year-old Bunty—will be sent from Alipore to the Hyderabad zoo in the first week of December.

Last October, Nehru Zoo-

logical Park in Hyderabad had sent a pair of jaguars and lions and six mouse deer to Alipore.

"The giraffes are being sent as part of the exchange programme. It shows how precious captive giraffes are," Samanta said.

Sunny and Bunty will be carried on a trailer with a large cage. "A vet and keepers

will accompany them on their 2,500km road trip to Hyderabad. The long journey can cause a lot of stress in animals," a zoo official said.

A pair of leopards from South Khayerbari Natru Park, some distance from Jadapura in Alipurduar district are expected to reach the Alipore zoo in December.





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