

ZOOLOGICAL GARDEN, ALIPORE
KOLKATA, WEST BENGAL

Annual Report for the Year
2017-2018



CONTENT

Sl. No.	Section	Page Number
1.	Report of the Officer-in-charge	2
2.	History of the Zoo	3-4
3.	Vision	5
4.	Mission	6
5.	Objective	7
6.	About us	8-9
7.	Organizational Chart	10
8.	Human Resources	11
9.	Capacity Building of the zoo personnel	12
10.	Zoo Advisory Committee	13
11.	Health Advisory Committee	14
12.	Statement of income and expenditure of the Zoo	15
13.	Daily feed Schedule of animals	16-20
14.	Vaccination Schedule of animals	21
15.	De-worming Schedule of animals	22
16.	Disinfection Schedule	23
17.	Health Check-up of employees for zoonotic diseases	23
18.	Development works carried out in the zoo during the year	24-25
19.	Education and awareness programmes during the year	26
20.	Important Events and happenings in the Zoo	27
21.	Seasonal special arrangement for upkeep of animals	28-29
22.	Research work carried out and publications	30
23.	Conservation Breeding Programme of the Zoo	31
24.	Animal acquisition / transfer/ exchange during the year	32-33
25.	Rescue and Rehabilitation of the wild animals carried out by the Zoo	34
26.	Annual Inventory of Animals	35-37
27.	Mortality of animals	38-39
28.	Status of the compliance with conditions stipulated by the Central Zoo Authority	40
29.	List of free living wild animals within the Zoo premises	40

The Annual Report of the Zoological Garden, Alipore, Kolkata for the year 2017-18 is published with a hope of sustainable development. New enclosures were constructed to house Kangaroos, Jaguar; Leopard with glass viewing facilities and of Mouse Deer, and Burdwan House was remodelled to house Lion and Lioness. All the new enclosures and remodelled enclosures were inaugurated by Hon'ble Minister Janab Firhad Hakim, Minister for Urban Development and the Minister for Municipal Affairs in the Government of West Bengal and Sri Binay Krishna Barman, Minister of Forests, Govt. of West Bengal. This Zoo has achieved tremendous successes on captive breeding of all three types of Pythons available in India, viz., Reticulated Python, Burmese Python and Indian Rock Python during the year and also we have achieved success in breeding the 'State Animal of West Bengal', Fishing Cat as well as Mouse Deer this year. All those animals belong to Schedule-I under Wild life (Protection) Act, 1972.

Constant sincere effort was made to maintain the animal health of the Zoo. A Zoo Biologist and Zoo educator were appointed during this financial year to monitor the records, enclosure enrichment, behavioural data of the inmates etc and fulfil educational objectives of the Zoo respectively.

Fascinating greenery, gardening and Landscaping and several numbers of Water Fountains, installed in the natural lake added attraction to the visitors of the Zoo and because of these, annual footfall during this financial year was raised to 35,41,985.

The Annual Report for the year 2017-18 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 in times to come.

Above all, I extend my thanks to Sri Chandan Sinha, IAS, Principle Secretary to the Govt. of WB, Department of Forests, Sri N.K. Pandey, IFS, Principle Chief Conservator of Forests and HoFF, WB, Sri R.K. Sinha, IFS, Principle Chief Conservator of Forests, Wild life and Chief Wild life Warden, WB, Sri V.K. Yadav, IFS, Addl Principle Chief Conservator of Forests and Member Secretary, WBZA and also all senior officers of Department of Forests, Govt. of WB AND CZA for their support and co-operation in successful managing Zoological Garden, Alipore in a best possible manner under the given situation.

I also extend my thanks to all the officers and staff of Zoological Garden, Alipore.

With warm regards.

Asis Kumar Samanta

Director
Zoological Garden, Alipore

2 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.

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.

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

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.

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, remodelling of open air moated enclosure for hippopotamus was also carried out with the financial assistance of Government of West Bengal.

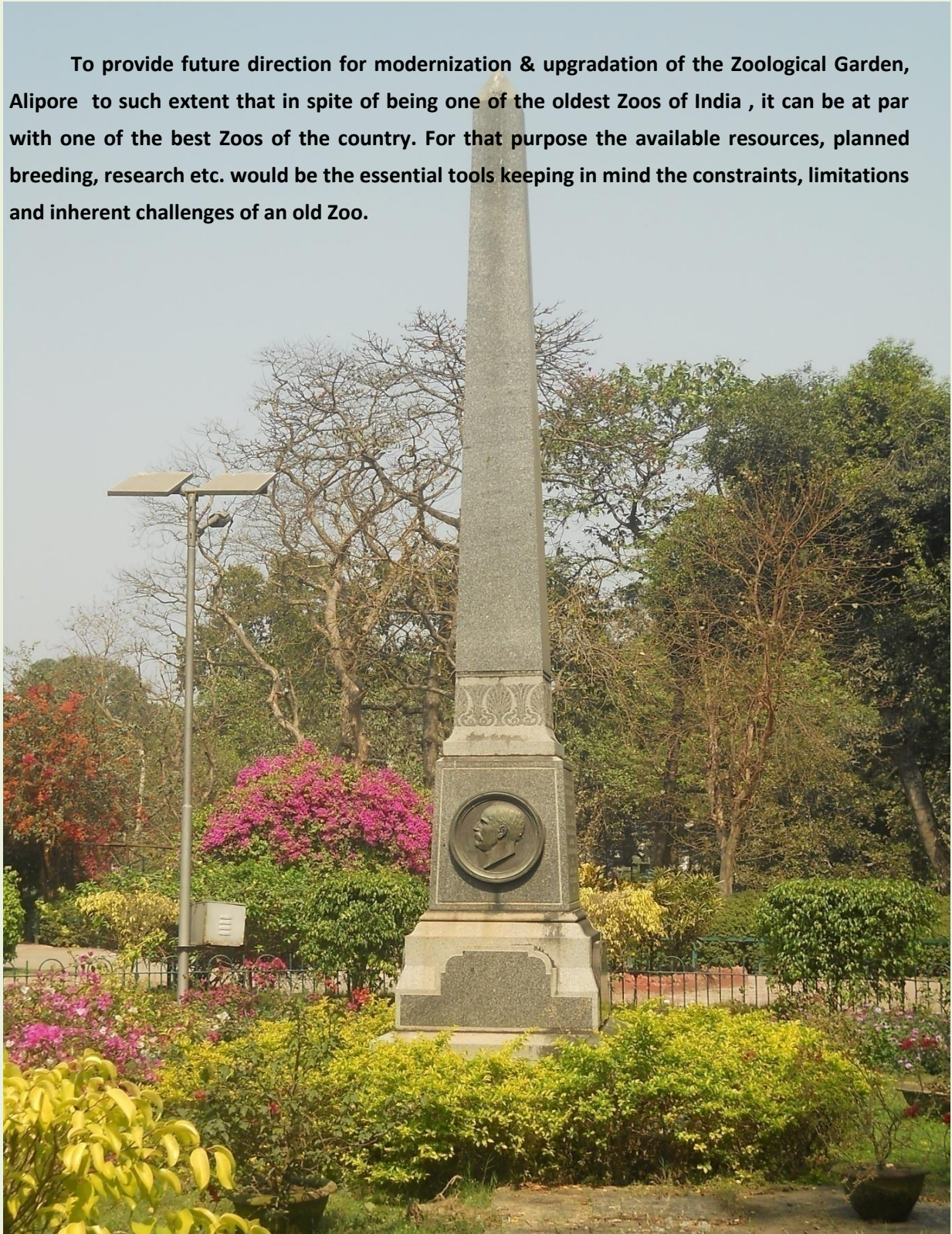
Since shifting of management of the Zoological Garden, Alipore from the Management Committee to the West Bengal Zoo Authority in the month of August, 2009, several developmental activities started at the Zoo and because of those activities face of the zoo changed enormously. Several outlived animal house like “Echidna House”, “Balaram House”, “Kiosk House”, “Jungle Fowl Enclosure”, “Cat Cage”, “Leanto Shed” etc. were demolished.

List of Superintendents and Directors of the Zoological Garden, Alipore

Year	Name
Superintendent	
1880	Shri R. B. Sanyal
1908	Shri B. K. Bose
1930	Shri S. Ganguli
1935	Shri N. N. Banerjee
1939	Shri R. N. Bose (offg.)
1941	Khan Sahib S. M. Yakub Khan
1949	Dr. R. K. Lahiri
1964	Shri S. N. Chatterjee (offg.)
Director	
1965	Dr. R. K. Lahiri
1969	Shri S. N. Chatterjee (offg.)
1970	Shri S. S. Mondal, IFS
1975	Dr. A.N.Guha
1980	Shri A. K. Das
01.09.2001	Dr. S. K. Chaudhuri (offg.)
27.06.2003	Dr. S. K. Chaudhuri
10.08.2009	Shri Raju Das, IFS
25.07.2011	Dr. S. K. Chaudhuri
01.12.2011	Shri Soumitra Dasgupta, IFS
13.12.2011	Shri Rohit Tiwari, IFS
16.04.2012	Shri Niraj Singhal, IFS
01.09.2012	DR. K. L. Ghosh, IFS
13.06.2013	Shri V. K. Yadav, IFS
12.08.2013	DR. K. L. Ghosh, IFS
16.10.15	Asis Kumar Samanta, IFS

3 VISION

To provide future direction for modernization & upgradation 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.



Obelisk of Richard Carl Louis Schwendler
Member of the first Managing Committee

4 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”.



Sir Joteendro Mohun Tagore Library

5 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:

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



Nature Information Centre

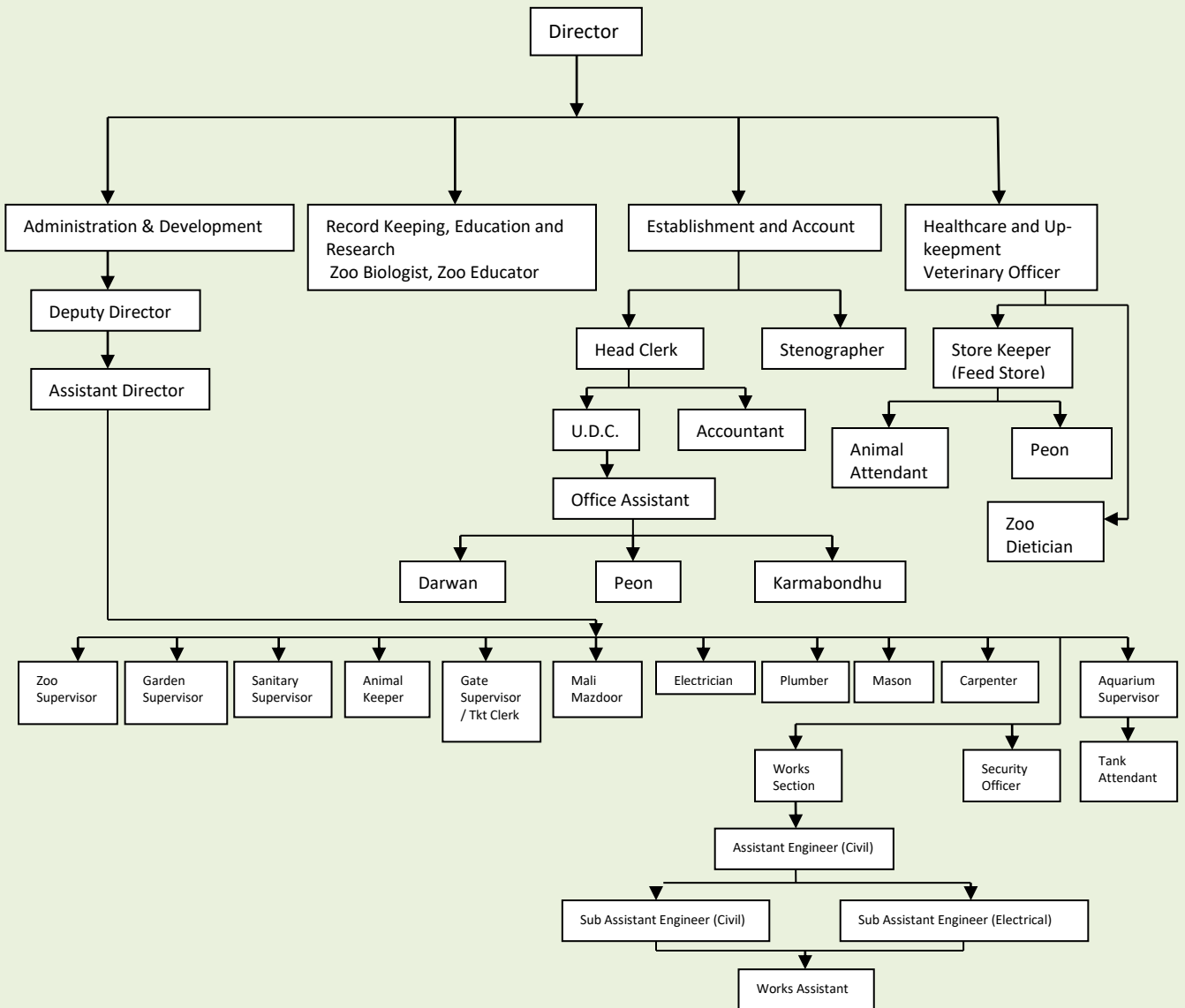
6 ABOUT US

Sl. No.	Particulars	Information
Basic Information About The Zoo		
1.	Name of the Zoo	Zoological Garden, Alipore, Kolkata.
2.	Year of Establishment	1875
3.	Address of the Zoo	2 No. Alipore Road, Kolkata 700 027 West Bengal, India
4.	State	West Bengal
5.	Telephone Number	+91 33 2479 1150 +91 33 2439 9391
6.	Fax Number	+91 33 2479 1585
7.	E mail Address	Director: director@kolkatazoo.in Deputy Director: dydir@kolkatazoo.in Assistant Director: astdir@kolkatazoo.in
8.	Website	http://www.kolkatazoo.in
9.	Distance From nearest	Airport: 17.4 km Railway Station: 7 km Bus Stand: 0 km
10.	Recognition valid up to (Date)	30/11/2018
11.	Category of the Zoo	Large
12.	Area (in Acre)	18.81 Ha.
13.	No. of Visitors (Financial Year)	Adult : 3197081 Children : 344904

		Total Indian : 3541985
		Total Foreigners : 100
		Total Visitors : 3542085
		Aquarium Visitors : 169441
14.	Visitor's 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	Asis Kumar Samanta, IFS Director
	Name of the Veterinary Officer	Dr. Shivaji Bhattacharya, Dr. Chayan Bhattacharya, Dr. Pankaj Kumar
	Name of the Curator	Nill
	Name of the Biologist	Smt. Tania Chatterjee
	Name of the Educational Officer	Smt. Anuradha Dutta
	Name of the Compounder/Lab Assistant	Shri Rabindranath Maity
Owner/ Operator of the Zoo		
17.	Name of the Operator	Department of Forests, Government of West Bengal & West Bengal Zoo Authority
18.	Address of the Operator	Aranya Bhawan, Block-LA-10A, Sector – III, Salt Lake City, Kolkata – 700106, West Bengal
19.	Contact details/ Phone number of Operator	Phone: +91 33 23355011 (EPABX), 033-2335-8755 FAX: +91 33 23350012
20.	E mail Address of Operator	mwbza@gmail.com, wbzooauthority@yahoo.in

7 ORGANIZATIONAL CHART

STAFF PATTERN



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

8 HUMAN RESOURCES

Manpower of the Zoological Garden, Alipore

Sl. No.	Designation	Number of sanctioned Post	Name of the Incumbent
1	Director	1	Asis Kumar Samanta, IFS
2	Deputy Director	1	Dr. Piyali Chattopadhyay
3	Asst. Director	1	Pradip Kumar Datta
4	Zoo Biologist	1	Tania Chatterjee
5	Zoo Educator	1	Anuradha Dutta
6	Head Clerk	1	1
7	Accountant	1	1
8	Stenographer	1	1
9	Cashier	1	1
10	Upper Division Clerk	2	2
11	Store- Keeper	1	1
12	Lower Division Clerk	7	0
13	Demonstrator	1	0
14	Assistant Demonstrator.	1	0
15	Cash Collecting Sarkar	1	0
16	Librarian	1	0
17	Assistant Librarian	1	0
18	Gate Supervisor	1	1
19	Ticket Clerk	16	6
20	Asst. Engineer	1	1
21	Sub-Assistant Engineer (Civil)	2	1
22	Sub-Assistant Engineer (Electrical)	1	1
23	Works Assistant	2	1
24	Fitter	1	0
25	Carpenter	1	0
26	Assistant Wireman	1	1
27	Mason	1	1
28	Pumpman	1	0
29	Veterinary Surgeon	3	3
30	Technical Assistant	1	0
31	Field Assistant	1	1
32	Peon	7	6
33	Sweeper	5	3
34	Label Writer	1	0
35	Animal Supervisor.	2	2
36	Head Keeper	4	4
37	Senior Keeper	6	6
38	Junior Keeper	54	30
39	Head Mali	1	1
40	Mate -Mali	3	3
41	Mali Mazdoor	64	23
42	Head Durwan	3	1
43	Mate Durwan	3	2
44	Durwan	55	1
45	Curator of Aquarium	1	0
46	Aquarium Supervisor	1	0
47	Tank Attendent	6	2

9 CAPACITY BUILDING OF ZOO PERSONNEL

Sl.No.	Name and designation of the Zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the training attended
1.	Veterinary Officers, Field Staff of Zoos in West Bengal	Training for Tranquilisation	29 th to 30 th May, 2017	Zoological Garden, Alipore
2.	Dr. Shivaji Bhattacharya, Veterinary Officer	Animal Health Management and Veterinary Wildlife Medicine	16.09.2017 to 19.09.2017	Central Zoo Authority, New Delhi
3.	Director, Ex-officio Director, other officers, Veterinary Officers, Zoo Biologist & other staff of different Zoos	Workshop on Enrichment of Animal Enclosures	30 th to 31 st January, 2018	Zoological Garden, Alipore
4.	Somnath Guli Majhi, Junior Keeper	CZA Vision 2030	20.03.2018 to 25.03.2018	Nandankanan Zoological Park, Bhubaneswar, Odisha



Training Programme on Tranquilisation

10 ZOO ADVISORY COMMITTEE

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

b. Members :

- | | |
|---|-----------------|
| 1. Chief Secretary to the Govt of West Bengal, | Chairman |
| 2. Principal Secretary, Dept of Forest, Govt of West Bengal, | Vice Chairman |
| 3. Principal Chief Conservator of Forest & Head of Forest Force, Govt of West Bengal. | Member |
| 4. Principal Chief Conservator of Forest & Chief Wild Life Warden, Govt of West Bengal. | Member |
| 5. Member Secretary , West Bengal Zoo Authority | Member |
| 6. Director, PNHZP | Member |
| 7. Director , Zoological Garden, Alipore | Member |
| 8. Director Animal Health Veterinary Science , West Bengal | Member |
| 9. Additional Secretary, Dept. Of Forest | Special Invitee |

c. Dates on which Meetings held during the year :. 16.05.2017



11 HEALTH ADVISORY COMMITTEE

a. Date of constitution : 01.02.2018

b. Members:

- | | |
|---|----------|
| 1. Joint Secretary, ARD, IAH & VB(R & P), Belgachia, Kolkata – 37, | Chairman |
| 2. Veterinary Officer , ARD(Vety) attached with Alipore Zoo, | Member |
| 3. Specialist (SERO-Epidemiology,RDDL(ER),IAH&VB, Belgachia, Kolkata-37 - | Member |
| 4. Assistant Director, ARD, IAH & VB, Belgachia, Kolkata -37 | Member |

c. Dates on which Meetings held during the year :



12 STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO

1-Apr-2017 to 31-Mar-2018

WBZA ZOOLOGICAL GARDEN, ALIPORE		WBZA ZOOLOGICAL GARDEN, ALIPORE	
Particulars	1-Apr-2017 to 31-Mar-2018	Particulars	1-Apr-2017 to 31-Mar-2018
	AMOUNT(RS.)		AMOUNT(RS.)
Opening Stock		SALES ACCOUNTS	
PURCHASE ACCOUNTS		<i>Sales Bills to Make</i>	
<i>Purchase Bills to Come</i>		DIRECT INCOMES	119435340.00
DIRECT EXPENSES	64867532.22	GATE COLLECTION	100421931.00
NATURE EDUCATION & AWARENESS GENERATION	1286736.00	OTHER COLLECTIONS	117193.00
NUTRITION AND HEALTHCARE EXPENDITURE	35371114.40	RENTAL INCOME	17721216.00
RESEARCH & TRAINING	16310.00	SCHEME INCOMES	1175000.00
SOIL CONSERVATION EXPENSES		INDIRECT INCOMES	16246733.18
ZOO MAINTENANCE EXPENSES	28193371.82	INTEREST INCOME	2625183.46
INDIRECT EXPENSES	70814540.96	OTHER INCOMES	400675.00
NON - PLAN EXPENDITURES	70814540.96	REIMBURSEMENT FROM EMPLOYEES	
Nett Profit		TRANSFER OF UTILIZED FUNDS	13220874.72
		<i>Recovery From Employee Electric Expenses</i>	
		Closing Stock	
Total	135682073.18	Total	135682073.18



13 DAILY FEED SCHEDULE OF ANIMALS

SL NO.	SPECIES	FEED ITEM	QUANTITY (Kg.) per No.		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	
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

		Wheat	0.3	0.3	day
		Milk	0.5	0.5	
		Molasses	0.25	0.25	
		Honey	–	0.1	
		Sour Curd	0.25	–	
13.	Chimpanzee	Complane	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	
		Other Vegetables	1	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	
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)	-	
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	
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	

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	



ZEBRA , BARKING DEER , NILGAI



BIRDS



WATER BIRDS , OTTER, FISHING CAT



ELEPHANT



14 VACCINATION SCHEDULE OF ANIMALS

Sl No.	Species	Disease vaccinated for Prophylactic Measures against disease	Name of the Vaccine and dosage/quantity used,	Periodicity	Remarks
1	Carnivores (All Big Cats of Zoo)	Trypanasomiasis	Triquin (Quinapyramine Sulphate and Quinapyramine Chloride. The dose is 0.025 ml of TRIQUIN injection per kg body weight, s/c.	Every six months interval	S/C



15 DE-WORMING SCHEDULE OF ANIMALS

Sl No.	Species	Drug used	Month
1	Carnivores	Praziquantel, Pyrantel Pamote	Quarterly, Regular interval faecal sample test done, when sample positive found again de-worming done.
2	Hervibores	Fenbendazole, Albendazole and Ivermectin.	Quarterly
3	Reptiles(Indian Rock Python and rat snake)	Fenbendazole	Annually
4	Birds	Fenbendazole, Albendazole, Piperazine hydrate	Quarterly



16 DISINFECTION SCHEDULE

Sl no.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Carnivores	Night shelter & all enclosure	Brand Name : Kohrosolin- Th - (Glutaraldehyde, 1,6, Dihydroxy 2,5 Dioxahexane ,Polymethyle Derivatives, Potassium permanganate Solution	Weekly twice
2	Hervibores	Night shelter & all enclosure	Brand Name : Kohrosolin- Th - (Glutaraldehyde, 1,6, Dihydroxy 2,5 Dioxahexane ,Polymethyle Derivatives, Potassium permanganate Solution	Weekly
3	Reptiles	Cubicle & Segregation Room	Brand Name : Kohrosolin- Th - (Glutaraldehyde, 1,6, Dihydroxy 2,5 Dioxahexane ,Polymethyle Derivatives, Potassium permanganate Solution	Weekly
4	Birds	All Enclosure	Brand Name : Kohrosolin- Th - (Glutaraldehyde, 1,6, Dihydroxy 2,5 Dioxahexane ,Polymethyle Derivatives, Potassium permanganate Solution	Weekly twice

17 HEALTH CHECK-UP OF EMPLOYEES FOR ZONOTIC 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.

18

DEVELOPMENT WORKS CARRIED OUT IN THE ZOO DURING THE YEAR



Jaguar Enclosure



Visitor Amenities



Renovated Lion Enclosure



Beautification of Zoo



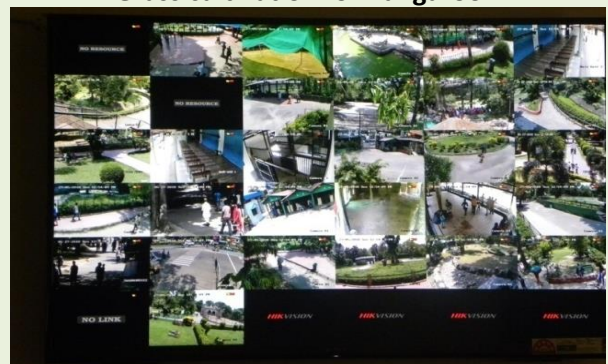
Kangaroo Enclosure



Grass cultivation for Kangaroo



Enclosure Enrichment for Mouse Deer



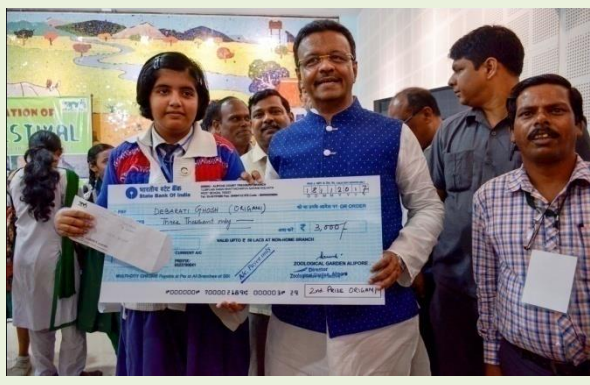
Installed 25 nos. CCTV at strategic locations



Distinction between the Asian Elephant and African Elephant		
Features	Asian Elephant	African Elephant
Trunk end	It has only one finger 	It has two distinct fingers 
Head	Double Domed 	Single Domed 
Ears	Smaller and do not cover the shoulder	Larger and cover the shoulder
Weight	 3000-6000 kg	 4000-7000 kg
Tusks	Males have tusks.	Male and females have tusks.



During this period we organized a no. of awareness programmes like International Tiger Day on 29th July, 2017, World Elephant Day on 12th August, 2017, World Rhino Day, on 24th September, 2018, Zoo Festival on 14th to 18th November, 2017 within the zoo premises involving more than 250 school and colleges. More than 1250 students participated in these programmes. Apart from that Short Training of DVM Intern Students from Sylhet Agricultural University, Bangladesh comprising fifty six intern students along with Veterinary doctors of Alipore Zoo were held in this zoo from 28.11.2017 to 30.11.2017.



20 IMPORTANT EVENTS AND HAPPENINGS

Inauguration of new enclosures and fountains on 14th December, 2017

The new enclosures for the jaguar ,leopard, kangaroo and mouse deer and renovated lion enclosures were inaugurated by Shri Firhad Hakim, Hon'ble Minister in Charge, Urban development and Municipal affairs, Govt of West Bengal & Shri Binay Krishna Barman,-honorable minister in charge ,Forests, Govt of West Bengal.

Four no.s of fountains were inaugurated by Shri Chandan Sinha, I.A.S., Principal Secretary, Forests, Govt. of West Bengal and Shri Narendra Kumar Pandey, IFS, PCCF, HOFF, West Bengal.



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, tarpoline etc.
- Installation of fans in reptile house, chimpanzee, tiger etc.



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, D3, 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

Protective measures during winter



Box and blankets for the snakes during hibernation

22 RESEARCH WORK CARRIED OUT AND PUBLICATIONS

The following two research projects are going on in the Zoo.

1. Discontinuation in visit of migratory birds in the lake of Zoological Garden, Alipore.
2. Analysis of treatment provided & mortality of animals in all the Zoos under the control of WBZA in the last 10 years.

Note: Research articles are not being published yet.



23 CONSERVATION BREEDING PROGRAMME OF THE ZOO

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 etc.

Hatching of Python eggs in Alipore Zoo:



Reticulated Python (*Malayopython reticulatus*)



Burmese Python (*Python bivittatus*)

Rock python (*python molurus*)



First mother with kittens



Second mother with kittens



Marsh crocodile



Mouse deer

A. Animals arriving in the Zoo					
	H.NO.	Species	Number(M:F)	From which Zoo	Date of arrival of Zoo
		Mouse Deer	3:3:0=6	Nehru Zoological Park, Hyderabad	30.10.2017
		Asiatic Lion	1:1:0=2	Nehru Zoological Park, Hyderabad	30.10.2017
		Jaguar	1:1:0=2	Nehru Zoological Park, Hyderabad	30.10.2017
		Eastern Grey Kangaroo	2:2:0=4	Kanazawa Zoological Park, Yokohama, Japan	25.10.2017
B. Animals going from the Zoo					
	H.NO.	Species	Number(M:F)	Going to which Zoo	Date of deposition from the Zoo
		Salt water Crocodile	1:1:0=2	Nehru Zoological Park, Hyderabad	30.10.2017
		Grey Parrot	0:0:6=6	NBWAP(Bengal Safari)	15.05.2017
		White Peafowl	0:0:2=2	NBWAP(Bengal Safari)	15.05.2017
		Goffin's Cockatoo	0:0:4=4	NBWAP(Bengal Safari)	15.05.2017
		Cocktail (Grey)	0:0:20=20	NBWAP(Bengal Safari)	15.05.2017
		Peafowl	1:1:0=2	Burdwan Zoological Park, Burdwan	15.03.2018

New Guests of Zoological Garden, Alipore



Jaguar (Arya)



Kangaroos (Punka, Kinako, Mint, Melonpan)

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.



26 ANNUAL INVENTORY OF ANIMALS

Inventory From April, 2017 to March, 2018

Zoological Garden, Alipore

Endangered Species

S.No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2017				Births			Acquisition			Disposal			Deaths			Closing Stock as on 31.03.2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
BIRDS																						
1	Hill Myna	<i>Gracula religiosa</i>	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10
2	Lesser Pied Hornbill	<i>Anthracoceros malabaricus</i>	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
3	Peafowl	<i>Pavo cristatus</i>	12	4	2	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	4
	Peafowl White		4	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1
4	Bhutan Grey Peacock Pheasant	<i>Polyplectron bicalcaratum</i>	6	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
5	Kalij Pheasant	<i>Lophura leucomelana</i>	2	3	-	5	-	-	-	-	-	-	-	-	1	2	-	-	-	-	1	1
6	Spoonbill	<i>Platylea leucorodia</i>	-	-	22	22	-	-	-	-	-	-	-	-	2	1	-	-	-	-	19	19
Total Birds						67																61
MAMMALS																						
7	Himalayan Black Bear	<i>Ursus thibetanus</i>	-	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
8	Sloth Bear	<i>Melursus ursinus</i>	1	1	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1
9	Black Buck	<i>Antelope cervicapra</i>	4	3	-	7	-	-	-	-	-	-	-	3	2	-	-	-	-	-	1	1
10	Four Horned Antelope	<i>Tetracerus quadricornis</i>	1	1	2	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2
11	Swamp Deer	<i>Cervus duvauceli</i>	2	3	2	7	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	2
12	Brow-antlered Deer	<i>Cervus eldi eldi</i>	7	4	1	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	4
13	Mouse Deer	<i>Moschiola meminna</i>	-	-	-	-	-	-	3	3	-	-	-	-	1	-	-	-	-	-	3	2
13	Fishing Cat	<i>Felis viverrinus</i>	2	1	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
14	Jungle Cat	<i>Felis chaus</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
15	Asian Elephant	<i>Elephas maximus</i>	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
16	Indian One Horned Rhinoceros	<i>Rhinoceros unicornis</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
17	Assamese Macaque	<i>Macaca assamensis</i>	3	4	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4
18	Bonnet Macaque	<i>Macaca radiata</i>	5	1	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1
19	Common Langur	<i>Presbytis entellus</i>	4	3	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3
20	Leopard	<i>Panthera pardus</i>	1	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
21	Asiatic Lion	<i>Panthera leo persica</i>	-	-	-	0	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
22	Bengal Tiger (white)	<i>Panthera tigris tigris</i>	2	2	-	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	1
23	Bengal Tiger	<i>Panthera tigris tigris</i>	1	4	-	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4	4
Total Mammals						74																70

// 2 //

S.No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2017				Births			Acquisition			Disposal			Deaths			Closing Stock as on 31.03.2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
REPTILES																						
24	Indian Rock Python	<i>Python molurus</i>	1	1	12	14	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	1
25	Rat Snake	<i>Ptyas mucosus</i>	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
26	King Cobra	<i>Ophiophagus hannah</i>	-	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
27	Monocled Cobra	<i>Noja naja kaouthia</i>	-	-	4	4	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	12
28	Speckled Cobra	<i>Noja naja</i>	-	-	2	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
29	Russell's Viper	<i>Daboia russelii</i>	-	-	5	5	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	1
30	Checkered keelback	<i>Xenochropis piscator</i>	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
31	Yellow Monitor Lizard	<i>Varanus flavescens</i>	-	-	10	10	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	6
32	Water Monitor	<i>Varanus salvator</i>	-	-	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
33	Gharial	<i>Gavialis gangeticus</i>	-	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5
34	Salt-water Crocodile	<i>Crocodylus porosus</i>	3	3	-	6	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2	2
35	Marsh Crocodile	<i>Crocodylus palustris</i>	1	8	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8
Total Reptiles						88																82

// 3 //

Other Species

Zoological Garden, Alipore

S.No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2017				Births			Acquisition			Disposal			Deaths			Closing Stock as on 31.03.2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
BIRDS																						
1	Budgerigar	<i>Melopsittacus undulatus</i>	-	-	19	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	19
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>	-	-	52	52	-	-	-	-	-	-	-	20	1	1	-	-	-	-	30	30
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>	-	-	9	9	-	-	-	-	-	-	-	-	4	-	1	-	-	-	4	4
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>	-	-	4	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	3
11	Crown Crane	<i>Balearica regulorum</i>	1	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
12	Spotted Dove	<i>Spilopelia chinensis</i>	-	-	163	163	-	-	-	-	-	-	-	-	-	-	1	-	-	-	162	162
13	Mandarin Duck	<i>Aix galericulata</i>	2	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1
14	Serpent Crested Eagle	<i>Dryotriorchis spectabilis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
15	Emu	<i>Dromaius novaehollandiae</i>	2	2	-	4	-	-	-	1	1	-	-	-	-	-	-	-	-	3	3	6
16	Finches	<i>Toeniopygia guttata</i>	-	-	25	25	-	-	-	-	-	-	-	-	-	-	1	-	-	-	24	24
17	Red Jungle Fowl	<i>Gallus gallus</i>	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
18	Bar Headed Goose	<i>Anser indicus</i>	-	-	39	39	-	-	-	-	-	-	-	-	-	-	1	-	-	-	38	38

//A//

S.No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2016				Births			Acquisition			Disposal			Deaths			Closing Stock as on 31.03.2018				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
BIRDS																							
19	White Ibis	<i>Threskiornis aethiopicus</i>	-	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5
20	Brahminy Kite	<i>Haliastur indus</i>	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	
21	Koel	<i>Endynamis scolopacea</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
22	Red Wattled Lapwing	<i>Vanelus indicus</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
23	Love Bird	<i>Agapornis sp.</i>	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	7
30	Blossom Headed Parakeet	<i>Psittacula cyanocephala</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
31	Quaker Parakeet	<i>Myiopsitta monachus</i>	-	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	
32	Red Breasted Parakeet	<i>Psittacula alexandri</i>	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	
33	Rose Ring Parakeet	<i>Psittacula krameri</i>	-	-	43	43	-	-	-	-	-	-	-	-	-	-	3	1	-	-	39	39	
34	Grey Parrot	<i>Psittacus erithacus</i>	-	-	17	17	-	-	-	-	-	-	-	-	6	-	-	-	-	-	11	11	
35	Rosy Pelican	<i>Pelecanus onocrotalus</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	

//5//

S.No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2016				Births			Acquisition			Disposal			Deaths			Closing Stock as on 31.03.2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
BIRDS																						
36	Spot Billed Pelican	<i>Pelecanus philippensis</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
37	Chinese Silver Pheasant	<i>Lophura nycthemera</i>	4	2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	6
38	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	1	4	-	5	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	4
39	Golden Pheasant	<i>Chrysolophus pictus</i>	5	2	-	7	-	-	-	-	-	-	-	-	-	1	-	-	-	4	2	6
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>	-	-	8	8	-	-	-	-	-	-	-	-	-	1	-	-	-	-	7	7
43	Green Imperial Pigeon	<i>Ducula aenea</i>	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5
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	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1
47	Painted Stork	<i>Mycteria leucocephala</i>	-	-	25	25	-	-	4	-	-	-	-	-	-	1	-	-	-	-	28	28
48	BlackSwan	<i>Cygnus atratus</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1
49	Mute Swan	<i>Cygnus olor</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
50	Grey Go Away Bird	<i>Corythaoides concolor</i>	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Birds						529																487

//6//

S.No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2017				Births			Acquisition			Disposal			Deaths			Closing Stock as on 31.03.2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
MAMMALS																						
51	Chimpanzee	<i>Pan troglodytes</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
52	Barking Deer	<i>Muntiacus muntjac</i>	12	10	2	24	-	-	7	-	-	-	-	-	-	3	1	-	-	9	9	27
53	White Fallow Deer	<i>Dama dama</i>	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	0
54	Sambar Deer	<i>Cervus unicolor</i>	1	4	-	5	-	-	-	-	-	-	-	-	-	1	-	-	-	1	3	4
55	Spotted Deer	<i>Axis axis</i>	10	8	5	23	4	2	-	-	-	-	-	-	3	-	-	-	-	11	15	26
56	Giraffe	<i>Giraffa camelopardalis</i>	4	6	-	10	-	-	-	-	-	-	-	-	1	-	-	-	-	4	5	9
57	Hippopotamus	<i>Hippopotamus amphibius</i>	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
58	Striped Hyena	<i>Hyaena hyaena</i>	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
59	Indian Lion Hybrid		1	2	-	3	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	2
60	Common Marmoset	<i>Callithrix jacchus</i>	1	4	1	6	-	-	4	-	-	-	-	-	1	-	-	-	-	1	3	9
61	Nilgai / Blue Bull	<i>Baselaphus tragocamelus</i>	1	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
62	Brush Tailed / Bengal Porcupine	<i>Hystrix indica</i>	1	1	1	3	-	-	2	-	-	-	-	-	-	-	-	-	-	1	1	3
63	Grant's Zebra	<i>Equus burchelli</i>	1	4	2	7	1	-	-	-	-	-	-	-	-	-	-	-	-	2	4	8
64	Jaguar	<i>Panthera onca</i>	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	2
65	Eastern Gray Kangaroo	<i>Macropus giganteus</i>	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	2	2	4
Total Mammals						90																105
REPTILES																						
66	Vine Snake	<i>Ahaetulla nasuta</i>	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10
67	Snake Golden Tree	<i>Chrysopelea ornate</i>	-	-	18	18	-	-	-	-	-	-	-	-	4	4	-	-	-	-	10	10
68	Banded Krait	<i>Bungaurus fasciatus</i>	-	-	10	10	-	-	-	-	2	-	-	-	-	-	-	-	-	-	12	12
69	Common Krait	<i>Bungaurus caeruleus</i>	-	-	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
70	Sand Boa	<i>Eryx johnii</i>	-	-	3	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	1
71	Aldabra Tortoise	<i>Alalabachelys gigantea</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
78	Indian Star Tortoise	<i>Geochelone elegans</i>	-	-	37	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	37
Total Reptiles						81																73

27 MORTALITY OF ANIMALS

Sl. No	Animal Name(with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the post-mortem report
MAMMALS					
1.	Black Buck	<i>Antilope cervicapra</i>	M	13.4.2017	Cardiac myopathy
2.	Indian Lion(Hybrid)		F	24.5.2017	Multi-organ failure due to senility
3.	Swamp Deer	<i>Cervus duvauceli</i>	M	6.7.2017	Traumatic shock
4.	Barking Deer	<i>Miuntiacus muntjack</i>	M	2.8.2017	Infighting injuries
5.	Black Buck	<i>Antilope cervicapra</i>	F	1.9.2017	Traumatic shock
6.	White Tiger	<i>Panthera tigris tigris</i>	F	3.9.2017	Senility
7.	Swamp Deer	<i>Cervus duvauceli</i>	M	16.9.2017	Senility
8.	Himalayan Black Bear	<i>Ursus thibetanus</i>	F	25.9.2017	Senility
9.	Black Buck	<i>Antilope cervicapra</i>	F	8.10.2017	Traumatic shock
10.	Black Buck	<i>Antilope cervicapra</i>	F	9.10.2017	Ruminal impaction with foreign materials
11.	Sambar Deer	<i>Cervus unicolor</i>	F	22.10.2017	Senility
12.	Giraffe	<i>Giraffa camelopardalis</i>	F	3.11.2017	Sudden felt down in transportation cage Cardiac failure
13.	Four horned Antelope	<i>Tetracerus quadricornis</i>	F	12.11.2017	Traumatic shock
14.	Black Buck	<i>Antilope cervicapra</i>	M	12.11.2017	Toxaemia
15.	Bengal Tiger	<i>Panthera tigris tigris</i>	M	17.11.2017	Senility
16.	Spotted Deer	<i>Axis axis</i>	M	21.11.2017	Dislocation of atlanto-occipital joint due to infighting injury
17.	Barking Deer	<i>Miuntiacus muntjack</i>	M	2.12.2017	Dislocation of atlanto-occipital joint due to infighting injury
18.	Mouse Deer	<i>Moschiola meminna</i>	F	19.12.2017	Traumatic shock
19.	Porcupine	<i>Hystrix indica</i>	M	13.1.2018	Traumatic shock due to infighting injuries
20.	Barking Deer	<i>Miuntiacus muntjack</i>	M	18.1.2018	Respiratory failure as a result of emphysema
21.	Barking Deer	<i>Miuntiacus muntjack</i>	F	30.1.2018	Traumatic shock due to infighting injuries
22.	Spotted Deer	<i>Axis axis</i>	M	12.3.2018	Cardio respiratory failure
23.	Brow-antlered Deer	<i>Cervus eldi eldi</i>	F	18.3.2018	Coma due to self-inflicted injury in head
BIRDS					
1.	Finch	<i>Taeniopygia guttata</i>	M	8.4.2017	Traumatic shock due to infighting injuries.
2.	Kalij Pheasant	<i>Lophura leucomelana</i>	F	7.5.2017	Traumatic shock due to infighting injuries
3.	Kalij Pheasant	<i>Lophura leucomelana</i>	F	11.5.2017	Hepatic disorder

4.	Spotted Dove	<i>Spilopelia chinensis</i>	M	23.6.2017	Enteritis
5.	Lady Amherst Pheasant	<i>Chrysolophus amherstiae</i>	M	23.6.2017	Traumatic shock due to infighting injuries
6.	Mandarin Duck	<i>Aix galericulata</i>	F	25.8.2017	Senility
7.	Rose ringed Parakeet	<i>Psittacula krameri</i>	F	29.10.2017	Multiorgan failure
8.	Rose ringed Parakeet	<i>Psittacula krameri</i>	F	4.11.2017	Respiratory failure
9.	Spoon Bill	<i>Platylea leucorodia</i>	M	21.11.2017	Traumatic shock
11.	Rose ringed Parakeet	<i>Psittacula krameri</i>	M	14.12.2017	Infighting injuries
12.	Cockateil	<i>Nymphicus hollandicus</i>	M	27.12.2017	Predator's bite
13.	Cockateil	<i>Nymphicus hollandicus</i>	F	12.1.2018	Cold shock
17.	Painted Stork	<i>Mycteria leucocephala</i>	M	23.1.2018	Cold shock and stress
18.	Western Crowned Pigeon	<i>Goura cristata</i>	M	2.2.2018	Respiratory failure
19.	Goffin's Cockatoo	<i>Cacatua goffini</i>	F	2.2.2018	Senility
20.	Spoon Bill	<i>Platylea leucorodia</i>	F	22.2.2018	Acute diarrhoea
21	Black Swan	<i>Cygnus atratus</i>	F	28.2.2018	Hypovolemic shock
22	Kalij Pheasant	<i>Lophura leucomelana</i>	M	8.3.2018	Coma due to self-inflicted injury in head

28

STATUS OF THE 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
-	-	-	-	-	-

29

LIST OF FREE LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

- 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.



Newspaper Clips:



সচেতন: আন্তর্জাতিক বন্যপ্রাণী দিবস উপলক্ষে শনিবার এক অনুষ্ঠানে আলিপুর চিড়িয়াখানায় উপস্থিত ছিলেন অভিনেতা তথা পশুপ্রেমী সব্যসাচী চক্রবর্তী, 'গয়েস্ট বেঙ্গল জু অথরিটি'র মেম্বার সেক্রেটারি বিনোদকুমার যাদব প্রমুখ। সব্যসাচী বলেন, "মানুষের স্বার্থেই বাঘকে বাঁচিয়ে রাখতে হবে। বাঘ না বাঁচলে আমরাও বাঁচব না।" ■ পিটু মণ্ডল

ছুটির দিনে অদ্বৈতর দুই পড়শিকে দেখতে 'হাউসফুল' চিড়িয়াখানা

স্টাফ রিপোর্টার : সানডে হাউসফুল...।

শীতের মিঠে রোদের পরশ মেখে বিশালাকায় কচ্ছপ দম্পতিকে দেখতে ভিড় উপচে পড়ল আলিপুর চিড়িয়াখানায়।

অ্যালডাবার জায়েন্ট টরটয়েজ। অদ্বৈতর দেশ সুদূর সেসেলস্ হীপপুঞ্জ থেকে আসা বিশাল দুই কচ্ছপই এখন চিড়িয়াখানার অন্যতম মূল আকর্ষণ। প্রায় একমাসেরও বেশি সময় চিড়িয়াখানা কর্তৃপক্ষের বিশেষ তত্ত্বাবধানে থাকার পর দু'দিন আগেই দর্শকদের সামনে আনা হয়েছে তাদের। সেসেলস-এর মায়ী কাটিয়ে আপাতত কচ্ছপ দম্পতির স্থায়ী ঠিকানা নীলগাই আর মারমোসেটের খাঁচার মাঝের এলাকা।

আলিপুর চিড়িয়াখানার অধিকর্তা কানাইলাল ঘোষ জানিয়েছেন, প্রথমটা একটু জবুথবু থাকলেও গত দু'দিনেই পরিবেশের সঙ্গে বেশ মানিয়ে নিয়েছে তারা।

নেবে নাই-বা কেন?

এই কচ্ছপ দম্পতির সুখ-স্বাস্থ্যের কোনও ত্রুটি রাখেনি কর্তৃপক্ষ। প্রায় পাঁচ কাঠা এলাকার মধ্যে বাঁধানো ঘাটের চৌবাচ্চা থেকে শুরু করে মাথা গোঁজার জন্য

'টরটয়েজ হাট' এবং মাটির উঁচু টিবি—সবই রয়েছে। দুই দর্শকদের থেকে তাদের বাঁচাতে ৯ ফুটের উঁচু জালের বেড়াও আছে। আর সেখানেই জমিয়ে সংসার শুরু করে দিয়েছে এই দম্পতি। এর মধ্যে পুরুষ কচ্ছপটি ইতিমধ্যেই নতুন দেশের মানুষের সঙ্গে ভাব জমাতে শুরু করেছে। তবে মেয়ে কচ্ছপটি এখনও আড়াল ভাঙেনি। দর্শকদের থেকে একটু দূরে দূরেই রয়েছে।

চিড়িয়াখানার অধিকর্তা জানিয়েছেন, এই প্রজাতির কচ্ছপরা ২৫০ বছরের বেশি সময় বাঁচে। অদ্বৈত বেঁচেছিল ২৫৫ বছর। আলিপুরের নতুন এই দম্পতির বয়স মাত্র কুড়ি বছর। দু'জনের মিলিত ওজন প্রায় ৩৩৮কেজি।

তবে বেঁচে থাকলে পুরুষ কচ্ছপটির ওজন হতে পারে ২৫০ কেজি এবং মহিলা কচ্ছপটির ১৭৫ কেজি। সাধারণত শাকহারী হয় এই প্রজাতির কচ্ছপ। কুচি কুচি করে কাটা বাঁধাকপির ভিতরের নরম অংশ, পালং শাক, লেটুস-এর সঙ্গে গাজর, কলা, আপেলই আপাতত ডায়েট এই দম্পতির।

এক সময় ছুটির শীতের দুপুরে আলিপুরের পশুশালার 'সিনিয়র সিটিজেন' অদ্বৈতকে দেখতে চিড়িয়াখানায় এমনভাবেই ভিড় জমাতে দর্শনার্থীরা। ভারতের সবচেয়ে

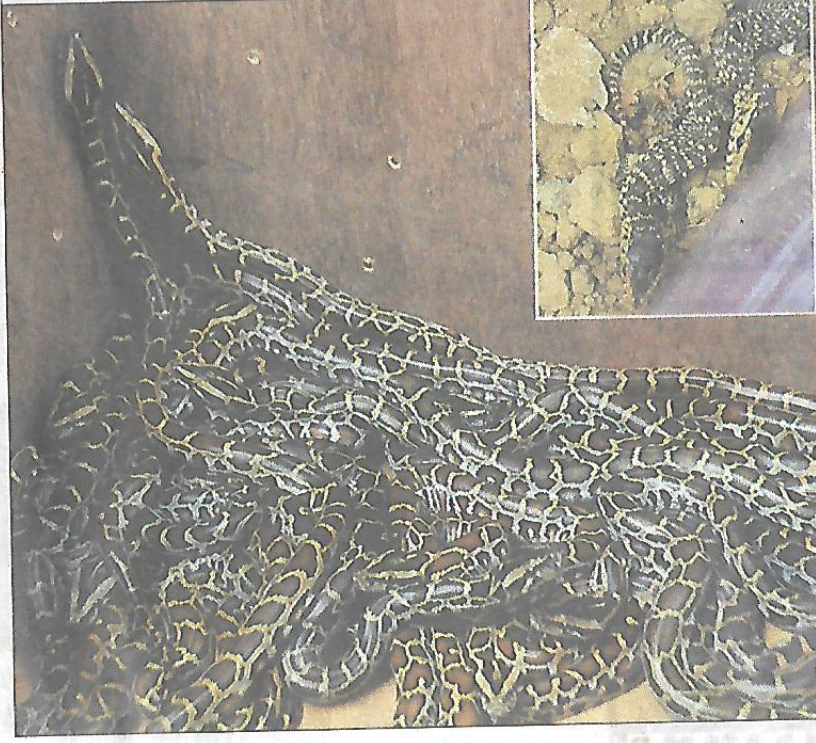


আলিপুর চিড়িয়াখানায় সেসেলস্ থেকে আসা দুই নতুন অতিথি।—শুভাশিস রায়

প্রাচীন এই পশুশালায় প্রায় ১৩২ বছর কাটিয়েছিল অদ্বৈত। সেই কারণে রসিকতা করে অনেকে তাকে পশুশালার 'ঠাকুরদা' আখ্যা দিয়েছিলেন। চরম একাকীত্বকে সঙ্গী করে ২০০৬ সালে মার্চ মাসে মারা যায় অদ্বৈত। ২০০৮ সালে অদ্বৈতর দেশ থেকে কচ্ছপ উপহারের খবর পাওয়া মাত্রই দু'টি কচ্ছপের জন্য অনুরোধ জানায় রাজ্য বনদফর। কারণ, অদ্বৈতর জীবনের সেই একাকিত্ব আর সইতে পারবেন না এখানকার পশুপ্রেমীরা। দীর্ঘ ছ'বছর নানা প্রক্রিয়া অতিক্রম করে অবশেষে সেসেলস প্রজাতন্ত্রের রাষ্ট্রপতি জেমস অ্যালিগ্ন মিশেলের উপহার চাক্ষুস করেই আনন্দ উপভোগ করছেন দর্শনার্থীরা।

NEW GUESTS IN ALIPORE ZOO

Biplab Bhattacharjee



For the first time ever eggs of reticulated and Burmese python were hatched artificially in Alipore zoo. Of the total 28 reticulated python eggs, 20 hatched. 34 of the 41 eggs laid by a Burmese python were also hatched artificially (in pic). "Of the total 69 eggs of both the species, 41 had multiple holes which were mended and monitored all throughout the incubation process," said zoo director A K Samanta. Herpetologist Anirban Chaudhuri said all the mended eggs hatched successfully. The zoo has also for the first time bred yellow water monitor lizard (inset) and water monitor lizard

पहली बार अलीपुर चिड़ियाखाना में पाइथन की ब्रीडिंग

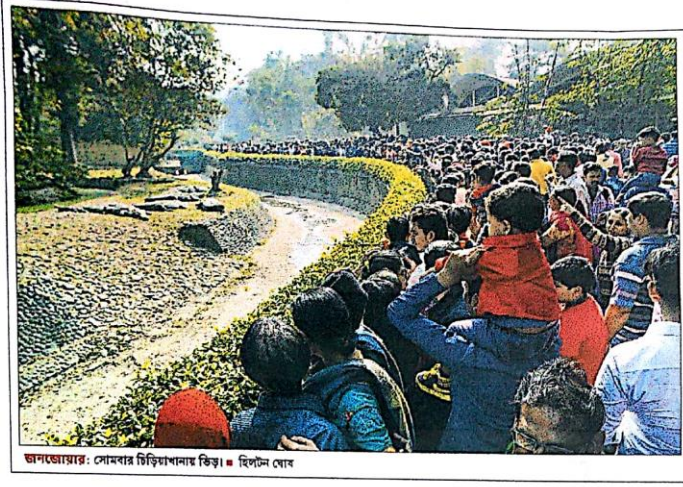
कोलकाता. अलीपुर चिड़ियाखाना में पहली बार उन्नत तकनीक का प्रयोग कर पाइथन की ब्रीडिंग प्रक्रिया को संपन्न कराया गया है. यह पूरे राज्य में अपनी तरह का अनोखा प्रयास है. खास कर वर्मीज पाइथन को काफी दुर्लभ प्रजाति की श्रेणी में रखा गया है. अलीपुर चिड़ियाखाना के निदेशक आशीष सामंत ने बताया कि पाइथन के अंडों को इस तकनीक का प्रयोग कर सफलतापूर्वक ब्रीड कराया गया है. उन्होंने बताया कि 6 व 7 अप्रैल को पूरी तरह से कृत्रिम तरीके से इनके 41 अंडों को इनक्यूबेटर में रखा गया था, जिसे न्यूनतम तापमान 30-33 डिग्री सेल्सियस में रखा गया. इस प्रक्रिया में 27 फीसदी अंडे नष्ट हो गये, परंतु बाकी



34 अंडों से सफलतापूर्वक पाइथन के बच्चों की ब्रीडिंग करायी गयी. इस घटना से अलीपुर चिड़ियाखाना के कर्मचारियों में खासा उत्साह है. उल्लेखनीय है कि भारत में पायी जाने वाली पाइथन की तीन प्रजातियों को वाइल्ड लाइफ प्रोटेक्शन एक्ट 1972 के तहत विरल प्रजाति की श्रेणी में रखा गया है. इस पूरी प्रक्रिया को सफलतापूर्वक संपन्न करने में कुल

90 दिनों का समय लगा है. इस काम को सफल बनाने में जिस टीम के सदस्यों ने सराहनीय भूमिका निभायी, उनमें जू कीपर प्रवीर दे, उमेश राम, सोमनाथ मांझी, जू बायोलॉजिस्ट तनिमा चटर्जी, जू एड्युकेटर जयिता दत्ता हाजरा, रिसर्च स्कालर रिक चक्रवर्ती व वाइल्ड लाइफ सलाहकार व हरपेटोलॉजिस्ट अनिर्वाण चौधरी शामिल हैं.

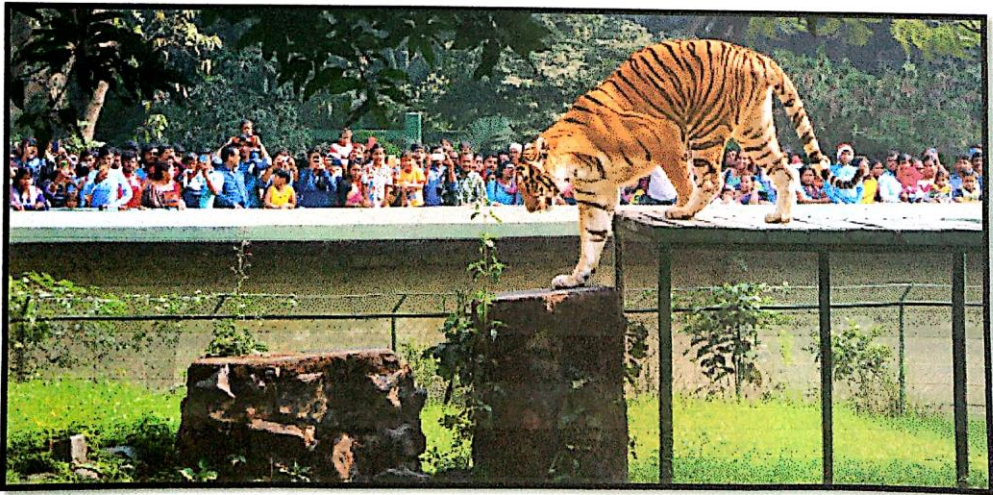
এবেলা



জলজোয়ার: সোমবার চিড়িয়াখানায় কিত্ত। ■ হিগেন্স বোর্ড

বর্তমান

কলকাতা, মঙ্গলবার ২৬ ডিসেম্বর ২০১৭, ১০ পৌষ ১৪২৪



বাঘের সঙ্গে সাক্ষাৎ। বড়দিনে ভিড়ে ঠাসা চিড়িয়াখানায় কাজল দাসের তোলা ছবি।