



ANNUAL REPORT 2020-21

NATIONAL ZOOLOGICAL PARK | राष्ट्रीय प्राणी उद्यान

Ministry of Environment, Forest & Climate Change, Government Of India
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार





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1. DIRECTOR'S NOTE

This year has been challenging for management of the zoo due to COVID – 19 pandemic and then advent of avian influenza. During this period staff and management worked very hard to keep all the animals and birds healthy and engaged. Consequently, it brought down the mortality rate of our captive animals.



During this period, we could increase the number of species in zoo from 83 to 88 and the population of the animals also grew from 1005 to 1162. Moreover, single sexed animals could also be provided with their partners keeping in view the animal welfare and their socio-biological needs.

National Zoological Park is participating zoo for the conservation breeding of Asiatic Lion, Royal Bengal Tiger, Red Jungle Fowl, One Horned Rhinoceros and Thamin Deer. Thriving breeding of Thamin Deer and Red jungle Fowl ensue this year with 20 surviving Thamin fawns which is a record high since 1962. One tigress was brought from Kanpur Zoo to incite their conservation breeding. CCTV cameras, amplifiers and voice call system have been installed for better monitoring of animals and visitors.

For the animal's welfare enrichment of the enclosures was done by increasing capacity of staffs and publication of book entitled "Enrichment efforts for captive animals" based on the enrichment work undertaken during the lockdown.

National Zoological Park has strong commitment for its conservation education programme aimed at creating awareness about wildlife conservation and the need to ensure biodiversity. NZP has revamped its website making it more user friendly and interactive along with facility of online ticketing by signing MoU with union Bank of India. New outreach materials including brochure, pamphlet, poster and folder to better interaction with visitors have been prepared. E-newsletter started and social media handles activated. To promote NZP as birding site and to celebrate Birth anniversary of eminent ornithologist Dr. Salim Ali, a birding event was organized which resulted in publishing a book "NZP: a birding site" documenting free ranging and captive birds of NZP. Various events were organized to celebrate days like Tiger Day, elephant day, wildlife day, wetland day, National Science Day etc. through online medium and collaborated with Delhi Street Art giving a facelift to NZP with better motifs, wall arts and painted dustbins.

MoU with Nanaji Deshmukh Veterinary University, Jabalpur and Greens Zoological, Rescue and Rehabilitation Kingdom, Jamnagar is signed for collective and collaborative approach in research, better management and medical care of zoo animals.

I appreciate the hard work of zoo employees, their cooperation and participation of all section for compilation of this annual report. I also appreciate Mr. Riaz Ahmad Khan, Curator (Edu.) and his team for compilation of the Annual Report meticulously.

Ramesh Kumar Pandey, IFS
Director



2. HISTORY OF THE ZOO



The National Zoological Park, New Delhi is one of the premier zoos of the country. It is popular destinations in the Delhi - NCR discharging its responsibility to help people appreciate, understand nature and wildlife better. The park is now more than Sixty years old and it's about time to review the facilities and services provided to general public. The National zoological Park should be a top of the mind educational and recreational facility in the region. It is in this context the vision and mission have been redefined as under:

In India, at the time of independence, there was no zoo in Delhi. The Indian Board of Wildlife (now National Board for Wildlife) which was constituted in 1951 laid stress on establishment of zoos in larger cities of the country in its first meeting in 1952.

Accordingly, an ad-hoc committee with some prominent nature lovers of Delhi, including Smt. Indira Gandhi, was constituted under the Chairmanship of Chief Commissioner, to formulate a proposal for establishment of Zoological Park for Delhi. Mr. E.F. Bowring Welsh, Secretary of the Society for Prevention of Cruelty to Animals was appointed as its Secretary. The committee met on 9th September, 1953 and approved the site between Purana Quila and Humayun's Tomb for the purpose. It also prepared an outline of the project.

Central Government was to provide necessary finance and get the project executed through Delhi state Govt., however express and its inability to undertake the scheme and suggested that the park be developed by Central Government, and shall be handed over to them in running condition to the Delhi Government. Since wildlife was managed by the Forest Department, first implementing official was drawn from Forest Service. Shri N.D. Bachkheta, an Indian Forest Service Officer of Uttar Pradesh cadre was appointed as Superintendent on 1st October 1955.

Major Weinmann, the then Director of Ceylon Zoological Garden, Colombo was invited to help draw a detailed plan for development of the Park. He submitted a report along with a preliminary plan. As he was not available for continued consultations, it was decided to seek the services of Mr. Carl Hagenbeck, owner of the famous Zoological garden at Hamburg, West Germany, who gave the idea of open moat enclosures.

The Park was formally inaugurated on 1st November, 1959 by Shri Punjab Rao Deshmukh, Hon'ble Minister, Government of India. This Park was initially known as Delhi Zoo. In the year 1982 it was given the status of the National Zoological Park with the idea of it being the model zoo of the country.

Here at the National Zoological Park, birds and animals live in an environment that in many ways resemble their natural habitat. The National Zoological Park not only provides a home for endangered species, but also helps them to breed in captivity. Eventually they may once again thrive in the wild.



3. VISION

In twenty year, time of Master Plan period, the visitor experience will be far more rewarding and enriching than it is today. Quality of animal care exhibits, conservation education and sustainable management practices will take the zoo to the next level. The 'National Zoological Park' (NZN) will truly be the Nation's Zoo in terms of state of art facilities and management practices. It will be role model in the country for other zoos to seek guidance and inspiration.



NZN shall also endeavour to breed endangered species through organized breeding programs for the purpose of display, exchange and rehabilitation in wild. NZN will be a top of the mind educational and recreational facility in the region.

4. MISSION

- (a) To generate awareness and compassion in the society towards wildlife and to garner their support for the national conservation effort.
- (b) To play an effective role in reducing man animal conflicts in urban landscape.
- (c) To play an effective role in species preservation.



5. OBJECTIVES

Objective of the park was to provide a healthy and inexpensive recreation to people of Delhi and its neighbouring areas. It was further realized that, conservation education and research on Wild animals can best be imparted through the zoo.



6. ABOUT US

National Zoological Park is a subordinate office under the Ministry of Environment, Forest & Climate Change, Govt. of India.

Name:	National Zoological Park		
Year of Establishments:	1959		
Address:	National Zoological Park, Mathura Road, Near Sunder Nagar, New Delhi – 110003		
Telephone:	+91 11 24358500, +91 11 24359825		
Fax:	+91 11 24352408		
E-mail:	nmpzoo-cza@nic.in		
Website:	http://www.nzpnnewdelhi.gov.in		
Distance from nearest	Airport:	IGI Airport Delhi	
	Railway:	H. Nizamuddin Rly. station	3.5 Kms
	Bus Stand	Delhi Zoo	300 Mtrs
Recognition Valid upto (Date)	19 th August, 2023		
Category of zoo	Large Zoo		
Area (in Acres)	188.62		
Number of Visitors (Financial Year)	Zoo was closed due to Covid 19 pandemic and advent of Avian Influenza		
Visitors' Facilities Available in Zoo	Battery operated trolley, Dustbins, Parking Facilities, Drinking Water Points, Washrooms, Cloakroom, Signages, Resting facilities.		
Weekly Closure Day of the Zoo	Every Friday		



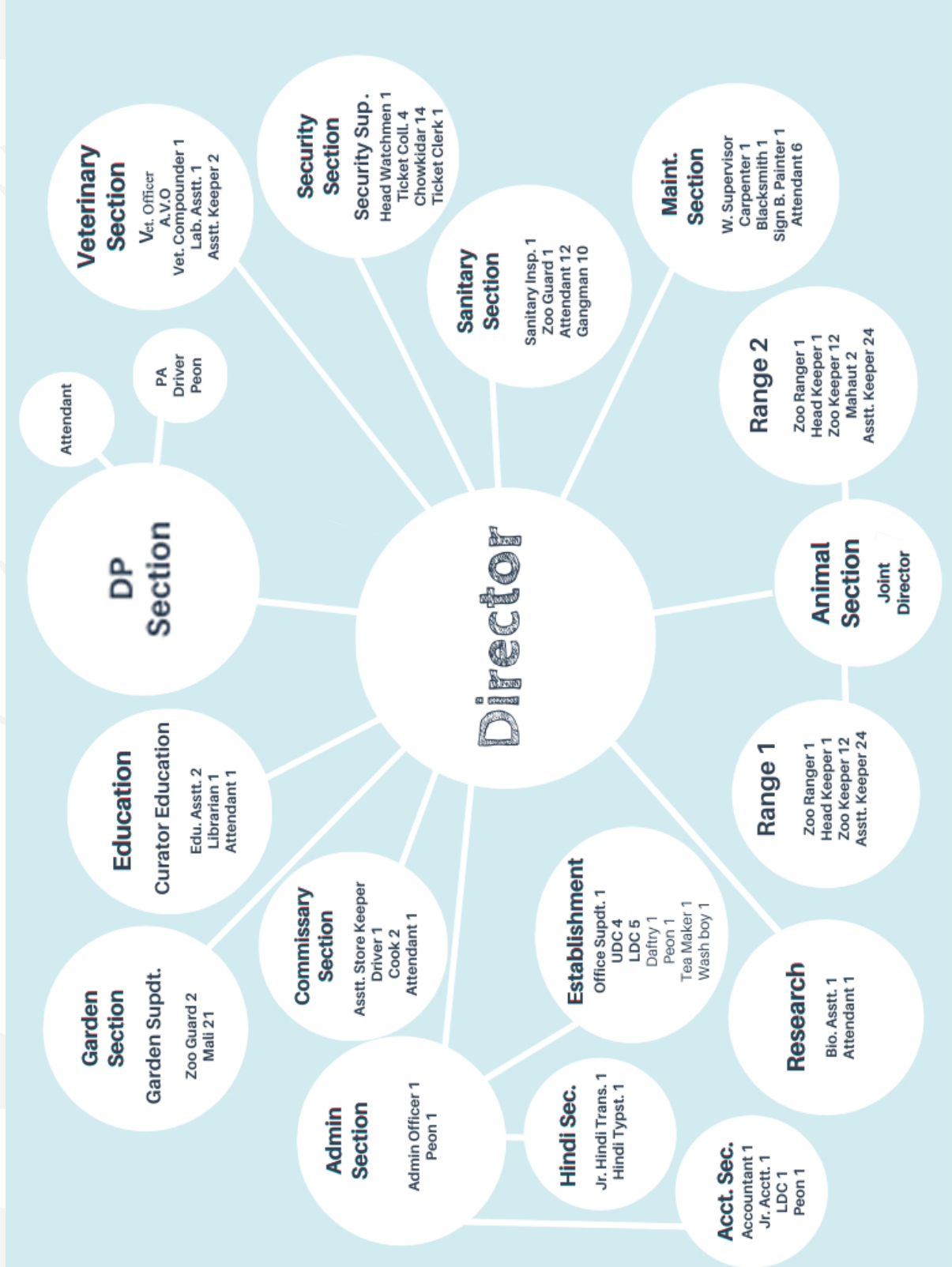
6. About us

Management Personnel of the Zoo	
Name with designation of the Officer in-charge	Shri Ramesh Kumar Pandey, IFS Director, National Zoological Park.
Name with designation of In-charge animal section	Mrs. Anamika, IFS Joint Director, National Zoological Park
Name of the Veterinary Officer	Dr. Abhijit Bhawal
Name of the Curator	Shri Riaz Ahmad Khan, Curator (Edn.)
Name of the Garden Superintendent	Shri Ravinder Kumar (Contractual)
Name of Office Superintendent	Shri Rajinder Kumar
Name of the Biologist Assistant	Dr. Manoj Kumar
Name of the Security Supervisor	Shri Rohit Kumar
Name of the Zoo Ranger	Shri Saurabh Vashisth
Name of the Work Supervisor	Shri Rajneesh Kr. Pandey
Name of the Lab Assistant	Shri Rakesh Sharma
Name of the Compounder	Shri M.A. Palouse

Owner / Operator of the Zoo	
Name of the Operator	Secretary, MoEF& CC
Address of the Operator	Ministry of Environment, Forest & Climate Change, Indira Parayavaran Bhawan, Jor Bagh, New Delhi – 110003
Contact details / Phone number of Operator	+91 11-24695262
E-mail address of Operator	secy-moef@nic.in



7. Organizational Chart



8.

Human Resource of National Zoological Park as on 31st March, 2021

S. No.	Designation	No. of Sanctioned Post	Names of the incumbent (Permanent)
1.	Director	1	1
2.	Jt. Director	1	1
3.	Veterinary Officer	1	1
4.	Asstt. Veterinary Officer	1	--
5.	Curator (Education)	1	1
6.	Administrative Officer	1	--
7.	Garden Superintendent	1	--
8.	Accountant	1	--
9.	Office Superintendent	1	1
10.	Biological Assistant	1	1
11.	Jr. Hindi Translator	1	1
12.	Security Supervisor	1	1
13.	Zoo Ranger	2	1
14.	Work Supervisor	1	1
15.	Education Assistant	2	0
16.	Sanitary Inspector	1	0
17.	Jr. Accountant	1	0
18.	UDC	4	2
19.	ASK	2	1
20.	Stenographer	1	0
21.	Laboratory Asstt.	1	1
22.	LDC	7	7
23.	Ticket Clerk	2	2
24.	Hindi Typist	1	1



8. Human Resource of National Zoological Park as on 31st March, 2021

S. No.	Designation	No. of Sanctioned Post	Names of the incumbent (Permanent)
25.	Black smith	1	1
26.	Carpenter	1	1
27.	Sign Board Painter	1	0
28.	Head Zoo Keeper	2	1
29.	Vet Compounder	1	1
29.	Staff Car Driver	1	1
30.	Van Driver	1	0
31.	Daftry	1	0
32.	Peon	3	0
33.	Head Watchman	1	0
34.	Ticket Collector	4	0
35.	Zoo Keeper	24	0
36.	Zoo Guard	2	2
37.	Mahout	3	0
38.	Asst. Keeper	48	19
39.	Mali	21	2
40.	Chowkidar	14	4
41.	Attendant	22	10
42.	Peon-cum-Attendant	1	0
43.	Gangman	10	6
44.	Cook/Food distributor	2	0
45.	Tea Maker	1	0
46.	Wash Boy	1	0
Total		203	72



9.

Capacity Building of zoo personnel

S. No.	Name and Designation of the Zoo personal	Subject matter of Training	Period of Training	Name of Institution where Training Attended
1.	Dr. Abhijit Bhawal, Scientist 'C'/Veterinary Officer	Wildlife Health Management	2 days	Central Zoo Authority
2.	Dr. Vikash Kumar Jayswal Assistant Veterinary Officer (Contractual)	Wildlife Health Management	2 days	Central Zoo Authority

10.

Zoo Advisory Committee

Date of reconstitution: 05th December, 2017 | Members

1.	Additional Director General of Forest (WL), MoEF&CC	Chairman
2.	Inspector General of Forest (WL), MoEF&CC	Vice Chairman
3.	Commissioner, South Municipal Corporation of Delhi	Member
4.	Secretary, Delhi Jal Board	Member
5.	Chief Engineer, Civil Construction Unit, MoEF&CC	Member
6.	Director, Wildlife Institute of India, Dehradun	Member
7.	Director, School of Planning & Architecture, New Delhi	Member
8.	Dy. Commissioner of Police (S), Delhi	Member
9.	Director (IFD), MoEF&CC	Member
10.	Director, Centre for environment Education, Ahmadabad	Member
11.	Shi B.S. Bonal, IFS (Retired)	Member
12.	Shri A.K. Bhowmik, IFS (Retired)	Member
13.	Dr. Ruchi Pant, Program Officer, UNDP – India	Member
14.	Dr. Ravi Chaturvedi, Former Zoological Professor, DU	Member
15.	Shri Himanshu Malhotra, Multi Media Specialist	Member
16.	Director, National Zoological Park, New Delhi	Member Secretary



10. Zoo Advisory Committee

Zoo Advisory Committee meeting held on 24-11-2020



Zoo Advisory committee held on 24th November 2020, through Video conferencing application provided by NIC.

The meeting was chaired by Shri Soumitra Dasgupta, Additional Director General (Wildlife), MoEFCC, GoI. He along with Dr. S.P. Yadav, Member Secretary Central Zoo Authority was present in the office of Director Zoo.

Director NZP gave a presentation on works done so far and the progress made. The members of the committee appreciated the initiatives taken by NZP and progress being made.

The species have increased from 83 to 88, however number of animals have also gone from 1005 to 1120 plus in comparison to March 2020. The NZP has taken various welfare measures and increased the screening of animals for better health and nutrition.

The breeding of ungulates and many other animals were also encouraging.

This year breeding of Thamin has been remarkable.



11.

Health Advisory Committee

Date of constitution: 12th January, 2001 | Members

1.	Dr. A.M. Pawde, Principal Scientist & Incharge, Centre for Wildlife, IVRI, Bareilly, UP	Member
2.	Dr. Shekhar Kr. Singh, Asstt. Professor, Department of Vet. Medicine, DUVASU, Mathura	Member
3.	Dr. Tarun Kumar, Asstt. Professor, Deptt. of VCC, LUVAS-HISSAR	Member
4.	Dr. Anand Prakash, ADPO, Dept. of VPHE, IUVAS, Hisar	Member
5.	Dr. Abhijit Bhawal, V.O. NZP	Member
6.	Dr. S. Bahadur, NZP, Vet. Consultant	Member
7.	Dr. Vikas Kr. Jayswal, AVO (Cont.), NZP	Member
8.	Dr. Manoj Kumar, Biological Assistant, NZP	Member

Dates on which Meetings held during the FY 2020– 21: 23rd June, 2020 and 27th November, 2020.



In the year 2020-21, two health committee meetings one on 23.6.2020 (19th meeting) and other on 27.11.2020 (20th Meeting) was held. Both were held on virtual platform. Dr. A.M. Pawde, Principal Scientist, ICAR-IVRI from his busy schedule of works, taken time and visited NZP and provided technical inputs in the treatment and welfare of the house animals.



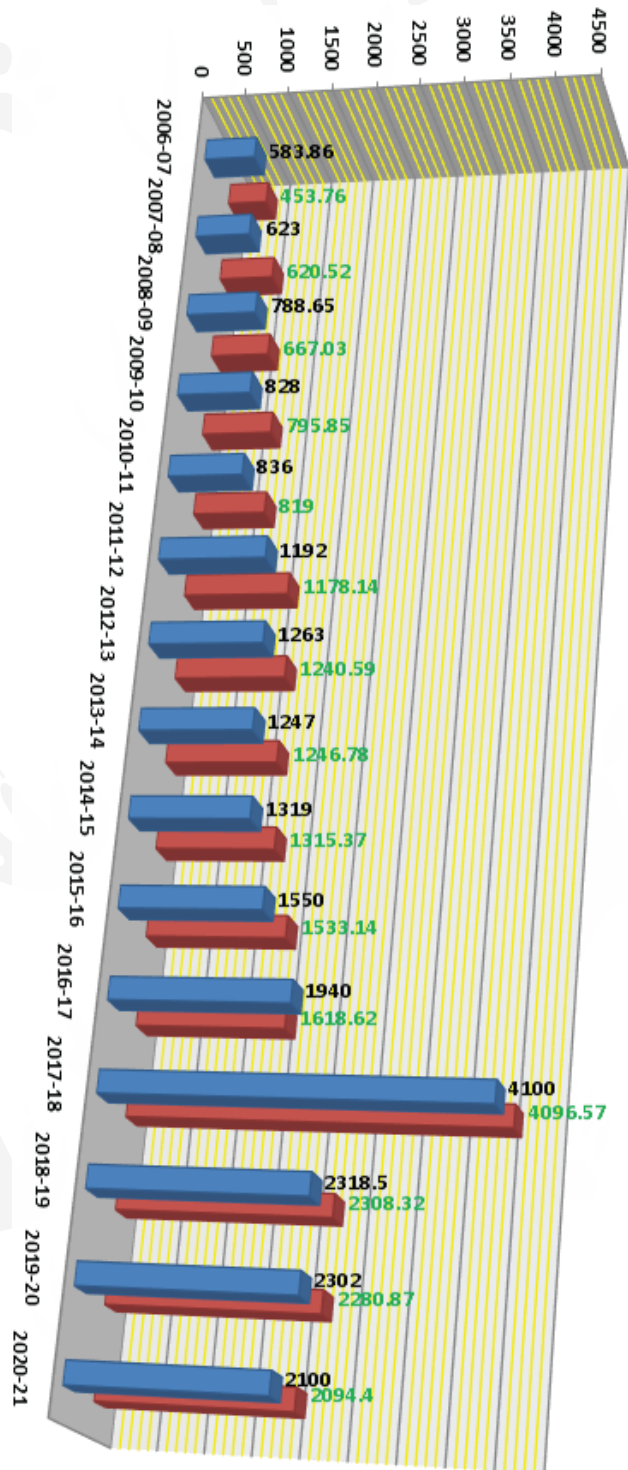
12.

Statement of income and expenditure of the Zoo

Budget Allocation

Allocation of Budget 2100.00 lakhs during the year (2020-21).
Expenditure incurred 2094.4 lakhs during the year (2020-21).

Budget Allotment & Expenditure



13.

Daily feed Schedule of animals

S.N.	SPECIES	FEED ITEM	QUANTITY PER ANIMAL		DAY OF FASTING
			WINTER (OCTOBER TO MARCH)	SUMMER (APRIL TO SEPTEMBER)	
1.	HORNBILL COMMON GREY	TOMATO	0.100 KG.	0.100 KG.	NONE
		PAPAYA	0.200 KG.	0.200 KG.	
		BANANA	0.750 KG.	0.750 KG.	
		KEEMA BESAN	0.100 KG.	0.100 KG.	
		EGG BOILED	1 NO.	1 NO.	
2.	HORNBILL GREAT INDIAN/ GREAT PIED	TOMATO	0.250 KG.	0.250 KG.	NONE
		PAPAYA	0.250 KG.	0.250 KG.	
		BANANA	1.500 KG.	1.500 KG.	
		KEEMA BESAN	0.300 KG.	0.300 KG.	
		EGG BOILED	2 NO.	2 NO.	
3.	PEAFOWL	GREEN VEG. LEAVES	0.050 KG.	0.050 KG.	NONE
		MIXED DANA	0.100 KG.	0.100 KG.	
		BREAD	0.025 KG.	0.025 KG.	
		GARLIC	0.006 KG.	0.006 KG.	
		ONION	0.006 KG.	0.006 KG.	
		KEEMA BESAN	0.100 KG.	0.100 KG.	
4.	PHEASANT KALIJ	GREEN VEG. LEAVES	0.020 KG.	0.020 KG.	NONE
		MIXED DANA	0.100 KG.	0.100 KG.	
		BREAD	0.010 KG.	0.010 KG.	
		GARLIC	0.006 KG.	0.006 KG.	
		ONION	0.006 KG.	0.006 KG.	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA GRAM SATTU	0.010 KG.	0.010 KG.	
		SWEET LIME/ ORANGE	0.020 KG.	0.020 KG.	
5.	SHIKRA	CHICKEN	0.200 KG.	0.200 KG.	NONE
6.	SPOONBILL WHITE	FISH DEAD (2" TO 4")	0.250 KG.	0.250 KG.	NONE
		KEEMA BESAN	0.100 KG.	0.100 KG.	
7.	VULTURE SCAVENGER	B.C. MEAT	0.500 KG.	0.500 KG.	NO B.C. MEAT – ON FRIDAY
8.	ANTELOPE FOUR HORNED	GREEN FODDER	2.000 KG.	2.000 KG.	NONE
		TREE FODDER	2.000 KG.	2.000 KG.	
		MASH	0.500 KG.	0.500 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	
		GRAM SOAKED	0.250 KG.	0.250 KG.	
9.	BEAR HIMALAYAN	BREAD	2.000 KG.	0.000 KG.	
		RICE	0.000 KG.	1.000 KG.	



13. Daily feed Schedule of animals

	BLACK	GUR (JAGGARY)	0.050 KG.	0.000 KG.	NONE
		MILK	0.500 KG.	0.500 KG.	
		BANANA	1.050 KG.	1.050 KG.	
		CUCUMBER/CARROT	0.250 KG.	0.250 KG.	
		POTATO/SWEET POTATO	0.250 KG.	0.250 KG.	
		MELON/PEARS	0.000 KG.	0.500 KG.	
		GUAVA/CHIKU	0.500 KG.	0.000 KG.	
		WATER MELON/BHUTTA GREEN/SINGHARA	0.000 KG.	0.500 KG.	
		BEET ROOT/BER	0.500 KG.	0.000 KG.	
		BEL FRUIT (APR-JUN)	0.000 KG.	0.250 KG.	
10.	BEAR SLOTH	BREAD	1.000 KG.	0.000 KG.	NONE
		RICE	0.000 KG.	0.500 KG.	
		GUR (JAGGARY)	0.050 KG.	0.000 KG.	
		MILK	0.500 KG.	0.500 KG.	
		BANANA	0.750 KG.	0.750 KG.	
		CUCUMBER/CARROT	0.250 KG.	0.250 KG.	
		POTATO/SWEET POTATO	0.250 KG.	0.250 KG.	
		MELON/PEARS	0.000 KG.	0.500 KG.	
		GUAVA/CHIKU	0.500 KG.	0.000 KG.	
		WATER MELON/BHUTTA GREEN/SINGHARA	0.000 KG.	0.500 KG.	
		BEET ROOT/BER	0.500 KG.	0.000 KG.	
		BEL FRUIT (APRIL TO JUNE)	0.000 KG.	0.250 KG.	
11.	BLACK BUCK (KRISHNA MRIG)	GREEN FODDER	2.000 KG.	2.000 KG.	NONE
		TREE FODDER	0.500 KG.	0.500 KG.	
		MASH	0.500 KG.	0.500 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	
12.	BLACK BUCK (ALBINO)	GREEN FODDER	2.000 KG.	2.000 KG.	NONE
		TREE FODDER	0.500 KG.	0.500 KG.	
		MASH	0.500 KG.	0.500 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	



13. Daily feed Schedule of animals

13.	CAT JUNGLE	FOWL (ALIVE OF 2 TO 2.5 KG.)	1NO.	1NO.	NONE
14.	CIVET COMMON PALM	BREAD	0.100 KG.	0.000 KG.	NONE
		RICE	0.000 KG.	0.050 KG.	
		MILK	0.100 KG.	0.100 KG.	
		EGG BOILED	1NO.	1NO.	
		BANANA	0.300 KG.	0.300 KG.	
		PAPAYA	0.200 KG.	0.200 KG.	
		MELON/PEARS	0.000 KG.	0.100 KG.	
		GUAVA/CHIKU	0.100 KG.	0.000 KG.	
15.	CIVET INDIAN SMALL	BREAD	0.100 KG.	0.000 KG.	NONE
		RICE	0.000 KG.	0.050 KG.	
		MILK	0.100 KG.	0.100 KG.	
		EGG BOILED	1NO.	1NO.	
		BANANA	0.150 KG.	0.150 KG.	
		APPLE	0.150 KG.	0.150 KG.	
16.	DEER BROW-ANTLERED (SANGAI)	GREEN FODDER	4.000 KG.	4.000 KG.	NONE
		TREE FODDER	0.500 KG.	0.500 KG.	
		MASH	1.000 KG.	1.000 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	
17.	DEER SWAMP	GREEN FODDER	4.000 KG.	4.000 KG.	NONE
		TREE FODDER	0.500 KG.	0.500 KG.	
		MASH	2.000 KG.	2.000 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	
		GRAM SOAKED	0.500 KG.	0.500 KG.	
18.	ELEPHANT INDIAN	GREEN FODDER	100.0 KG.	100.0 KG.	NONE
		DRY FODDER	15.000 KG	15.000 KG	
		TREE FODDER	150.00KG	150.00KG	
		BANANA	3.600 KG	3.600 KG	
		GUR	1.000 KG	0.000 KG	



13. Daily feed Schedule of animals

		AMLA GREEN	0.050KG	0.000KG	
		MOONG	K H I C H R I	1.000KG	1.000KG
		RICE		2.000KG	2.000KG
		BAJRA/WHEAT		1.000KG	1.000KG
		HALDI		0.100KG	0.100KG
		SALT		0.100KG	0.100KG
		MUSTARD OIL		0.500KG	0.500KG
19.	FOX COMMON	FOWL (ALIVE OF 2 TO 2.5 KG.)		1NO.	1NO.
20.	GAUR (INDIAN BISON)	GREEN FODDER	20.000 KG	20.000 KG	NONE
		TREE FODDER	20.000 KG	20.000 KG	
		MASH	10.000 KG	10.000 KG	
		AMLA GREEN	0.050 KG.	0.000 KG.	
21.	GAZELLE INDIAN (CHINKARA)	TREE FODDER	1.000 KG.	1.000 KG.	NONE
		MASH	0.500 KG.	0.500 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	
		GRAM SOAKED	0.200 KG.	0.200 KG.	
22.	GIBBON HOOLOCK	BREAD	0.100KG	0.000KG	NONE
		RICE	0.000KG	0.050KG	
		MILK	0.100KG	0.100KG	
		EGG	1NO.	1NO.	
		BANANA	0.300KG	0.300KG	
		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARROT	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.100KG	0.100KG	
		ONION	0.025KG	0.025KG	
		TOMATO	0.025KG	0.025KG	
		GROUND NUT	0.050KG	0.050KG	
		BHUNA GRAM	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.100KG	
		GUAVA/CHIKU	0.100KG	0.000KG	
WATER MELON/ BHUTTA	0.000KG	0.100KG			



13. Daily feed Schedule of animals

		GREEN/SINGHARA			
		BET ROOT	0.100KG	0.000KG	
		BEL FRUIT (APRIL TO JUNE) (APRIL TO JUNE)	0.000KG	0.100KG	
		APPLE	0.100KG	0.100KG	
		SWEET LIME/ ORANGE	0.100KG	0.100KG	
23.	JACKAL	B.C. MEAT	2.500KG	2.000KG	NO B.C. MEAT - ON FRIDAY
24.	LANGUR COMMON	BREAD	0.100KG	0.000KG	NONE
		RICE	0.000KG	0.050KG	
		MILK	0.100KG	0.100KG	
		BANANA	0.300KG	0.300KG	
		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARROT	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.100KG	0.100KG	
		ONION	0.025KG	0.025KG	
		TOMATO	0.025KG	0.025KG	
		GROUND NUT	0.050KG	0.050KG	
		BHUNA GRAM	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.100KG	
		GUAVA/CHIKU	0.100KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.100KG	
		BET ROOT/BER	0.100KG	0.000KG	
		BEL FRUIT (APRIL TO JUNE)	0.000KG	0.100KG	
25.	LEOPARD (PANTHER)	B.C. MEAT	7.000KG	6.000KG	NO B.C. MEAT - ON FRIDAY
26.	LION INDIAN	B.C. MEAT	12.000KG	10.000KG	NO B.C. MEAT - ON FRIDAY



13. Daily feed Schedule of animals

27.	MACAQUE BONNET	BREAD	0.100KG	0.000KG	NONE
		RICE	0.000KG	0.050KG	
		MILK	0.100KG	0.100KG	
		BANANA	0.300KG	0.300KG	
		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARROT	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.100KG	0.100KG	
		ONION	0.025KG	0.025KG	
		TOMATO	0.025KG	0.025KG	
		GROUND NUT	0.050KG	0.050KG	
		BHUNA GRAM	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.100KG	
		GUAVA/CHIKU	0.100KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.100KG	
		BEEF ROOT/BER	0.100KG	0.000KG	
BEL FRUIT (APRIL TO JUNE)	0.000KG	0.100KG			
28.	MACAQUE LION-TAILED	EGG BOILED	1NO.	1NO.	NONE
		BREAD	0.100KG	0.000KG	
		RICE	0.000KG	0.050KG	
		MILK	0.100KG	0.100KG	
		BANANA	0.300KG	0.300KG	
		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARROT	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.100KG	0.100KG	
		ONION	0.025KG	0.025KG	
		TOMATO	0.025KG	0.025KG	
		GROUND NUT	0.050KG	0.050KG	
		BHUNA GRAM	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.100KG	



13. Daily feed Schedule of animals

		GUAVA/CHIKU	0.100KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.100KG	
		BEET ROOT/BER	0.100KG	0.000KG	
		BEL FRUIT (APRIL TO JUNE)	0.000KG	0.100KG	
29.	MACAQUE RHESUS	BREAD	0.100KG	0.000KG	NONE
		RICE	0.000KG	0.050KG	
		MILK	0.100KG	0.100KG	
		BANANA	0.300KG	0.300KG	
		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARROT	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.100KG	0.100KG	
		ONION	0.025KG	0.025KG	
		TOMATO	0.025KG	0.025KG	
		GROUND NUT	0.050KG	0.050KG	
		BHUNA GRAM	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.100KG	
		GUAVA/CHIKU	0.100KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.100KG	
		BEET ROOT/BER	0.100KG	0.000KG	
		BEL FRUIT (APRIL TO JUNE)	0.000KG	0.100KG	
30.	RHINOCEROS INDIAN ONE HORNED	GREEN FODDER	50.000 KG	50.000 KG	NONE
		TREE FODDER	50.000 KG	50.000 KG	
		BANANA	0.900 KG	0.900 KG	
		MASH	15.000KG	15.000KG	
		GUR	1.500 KG.	1.500 KG.	
		AMLA GREEN	0.050KG	0.000KG	
		MOONG	1.500KG	1.500KG	
		RICE	1.500KG	0.000KG	



13. Daily feed Schedule of animals

		HALDI	K H I C H R I	0.100KG	0.100KG	
		SALT		0.100KG	0.100KG	
		MUSTARD OIL		0.500KG	0.500KG	
		LINSEED		0.100KG	0.900KG	
31.	TIGER BENGAL	B.C. MEAT		12.000KG	10.000KG	NO B.C. MEAT – ON FRIDAY
32.	TIGER BENGAL (WHITE)	B.C. MEAT		12.000KG	10.000KG	NO B.C. MEAT – ON FRIDAY
33.	WOLF INDIAN	B.C. MEAT		4.000KG	3.500KG	NO B.C. MEAT – ON FRIDAY
34.	COBRA INDIAN	CHICK ALIVE*		3NO.	3NO.	ONCE IN A WEEK
35.	CROCODILE LONG SNOUTED (GHARIAL)	FISH (6" TO 9")		1.500KG	1.500KG	NONE
36.	CROCODILE MARSH (MUGGER)	FISH DEAD/ALIVE* (6" TO 9")		1.500KG	1.500KG	NONE
37.	MONITOR LIZARD	EGG BOILED		1NO.	1NO.	NONE
38.	PYTHON INDIAN- ROCK (BABY)	CHICK ALIVE*		3NO.	3NO.	ONCE IN A WEEK
39.	PYTHON INDIAN- ROCK	RABBIT ALIVE*		1NO.	1NO.	ONCE IN A WEEK
40.	SNAKE RAT / DHAMAN	CHICK ALIVE*		3NO.	3NO.	ONCE IN A WEEK
41.	FOWL JUNGLE RED	GREEN VEG. LEAVES		0.020 KG.	0.020 KG.	NONE
		MIXED DANA		0.100 KG.	0.100 KG.	
		BREAD		0.010 KG.	0.010 KG.	
		GARLIC		0.006 KG.	0.006 KG.	
		ONION		0.006 KG.	0.006 KG.	
		EGG BOILED		½ NO.	½ NO.	



13. Daily feed Schedule of animals

		BHUNA GRAM SATTU	0.010 KG.	0.010 KG.	
42.	HERON GREY	FISH DEAD (2" TO 4")	0.250KG	0.250KG	NONE
		KEEMA BESAN	0.100KG	0.100KG	
43.	IBIS WHITE	FISH DEAD (2" TO 4")	0.250KG	0.250KG	NONE
		KEEMA BESAN	0.100KG	0.100KG	
44.	KITE BRAHMINY	BEEF KEEMA	0.200KG	0.200KG	NO B.C. MEAT - ON FRIDAY
		CHICKEN	0.200KG	0.200KG	NONE
45.	KITE PARIAH/ BLACK KITE	BEEF KEEMA	0.200KG	0.200KG	NO B.C. MEAT - ON FRIDAY
		CHICKEN	0.200KG	0.200KG	
46.	OWL BARN	CHICKEN	0.200KG	0.200KG	NONE
47.	OWL BROWN FISH	CHICKEN	0.300KG	0.300KG	NONE
48.	OWL INDIAN GREATER HORNED	CHICKEN	0.300KG	0.300KG	NONE
49.	PARAKEET (UNIDENTIFIED)	BANANA	0.037KG	0.037KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARROT	0.025KG	0.025KG	
		PEAS GREEN	0.025KG	0.025KG	
		PAPAYA	0.025KG	0.025KG	
		APPLE	0.025KG	0.025KG	
		GROUND NUT	0.025KG	0.025KG	
		MELON/PEARS	0.000KG	0.025KG	
		GUAVA/CHIKU	0.025KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.025KG	
		BEET ROOT/BER	0.025KG	0.025KG	
50.	PARAKEET	BANANA	0.037KG	0.037KG	



13. Daily feed Schedule of animals

	ALEXANDRINE	CHILLIES	0.005KG	0.005KG	NONE
		CUCUMBER/CARROT	0.025KG	0.025KG	
		PEAS GREEN	0.025KG	0.025KG	
		PAPAYA	0.025KG	0.025KG	
		APPLE	0.025KG	0.025KG	
		GROUND NUT	0.025KG	0.025KG	
		MELON/PEARS	0.000KG	0.025KG	
		GUAVA/CHIKU	0.025KG	0.000KG	
		WATER MELON/BHUTTA GREEN/SINGHARA	0.000KG	0.025KG	
		BEET ROOT/BER	0.025KG	0.025KG	
51.	PARAKEET BLOSSOM HEADED	BANANA	0.037KG	0.037KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARROT	0.025KG	0.025KG	
		PEAS GREEN	0.025KG	0.025KG	
		PAPAYA	0.025KG	0.025KG	
		APPLE	0.025KG	0.025KG	
		GROUND NUT	0.025KG	0.025KG	
		MELON/PEARS	0.000KG	0.025KG	
		GUAVA/CHIKU	0.025KG	0.000KG	
		WATER MELON/BHUTTA GREEN/SINGHARA	0.000KG	0.025KG	
		BEET ROOT/BER	0.025KG	0.025KG	
		52.	PARAKEET ROSE BREASTED	BANANA	
CHILLIES	0.005KG			0.005KG	
CUCUMBER/CARROT	0.025KG			0.025KG	
PEAS GREEN	0.025KG			0.025KG	
PAPAYA	0.025KG			0.025KG	
APPLE	0.025KG			0.025KG	
GROUND NUT	0.025KG			0.025KG	



13. Daily feed Schedule of animals

		MELON/PEARS	0.000KG	0.025KG	
		GUAVA/CHIKU	0.025KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.025KG	
		BEET ROOT/BER	0.025KG	0.025KG	
53.	PARAKEET ROSE RING	BANANA	0.037KG	0.037KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARRO T	0.025KG	0.025KG	
		PEAS GREEN	0.025KG	0.025KG	
		PAPAYA	0.025KG	0.025KG	
		APPLE	0.025KG	0.025KG	
		GROUND NUT	0.025KG	0.025KG	
		MELON/PEARS	0.000KG	0.025KG	
		GUAVA/CHIKU	0.025KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.025KG	
		BEET ROOT/BER	0.025KG	0.025KG	
54.	PARTRIDGE BLACK/GREY	GREEN VEG. LEAVES	0.020KG	0.020KG	NONE
		MIXED DANA	0.100KG	0.100KG	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA BASEN/SATTU	0.010 KG	0.010 KG	
55.	PELICAN ROSY/WHITE	FISH DEAD/LIVE (6" TO 9")	1.000KG	1.000KG	NONE
56	PHEASANT CHINESE SILVER	GREEN VEG. LEAVES	0.020KG	0.020KG	NONE
		MIXED DANA	0.100KG	0.100KG	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA BASEN/SATTU	0.010 KG	0.010 KG	
		BREAD	0.010 KG	0.010 KG	
		GARLIC	0.010 KG	0.010 KG	
		ONION	0.006 KG	0.006 KG	



13. Daily feed Schedule of animals

57.	PHEASANT EDWARD	GREEN VEG. LEAVES	0.020 KG.	0.020 KG.	NO
		MIXED DANA	0.100 KG.	0.100 KG.	
		BREAD	0.010 KG.	0.010 KG.	
		GARLIC	0.006 KG.	0.006 KG.	
		ONION	0.006 KG.	0.006 KG.	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA GRAM SATTU	0.010 KG.	0.010 KG.	
		SWEET LIME/ ORANGE	0.020 KG.	0.020 KG.	
58.	RHEA	BANANA	0.300KG	0.300KG	NO
		EGG BOILED	2 NO.	2 NO.	
		BEEF KEEMA	0.100KG	0.100KG	
		ONION	0.075KG	0.075KG	
		GARLIC	0.010KG	0.010KG	
		MIXED DANA	0.150KG	0.150KG	
		CUCUMBER/CARROT	0.150KG	0.150KG	
		GREEN VEG. LEAVES	0.250KG	0.250KG	
		SOYA DANA	0.150KG	0.150KG	
59.	STORK PAINTED	FISH DEAD (2" TO 4")	0.500KG	0.500KG	NO
60.	DEER BARKING	GREEN FODDER	1.000KG	1.000KG	NO
		TREE FODDER	0.500KG	0.500KG	
		MASH	0.500KG	0.500KG	
		AMLA GREEN	0.050KG	0.000KG	
		GRAM SOAKED	0.250KG	0.250KG	
61.	DEER HOG	GREEN FODDER	2.000KG	2.000KG	NO
		TREE FODDER	0.500KG	0.500KG	
		MASH	0.500KG	0.500KG	
		AMLA GREEN	0.050KG	0.000KG	
62.	DEER SAMBAR	GREEN FODDER	7.000KG	7.000KG	
		TREE FODDER	1.000KG	1.000KG	



13. Daily feed Schedule of animals

		MASH	2.000KG	2.000KG	NO	
		AMLA GREEN	0.050KG	0.000KG		
63.	DEER SPOTTED	GREEN FODDER	2.000KG	2.000KG	NO	
		TREE FODDER	0.500KG	0.500KG		
		MASH	1.000KG	1.000KG		
		AMLA GREEN	0.050KG	0.000KG		
64.	GORAL	GREEN FODDER	1.000KG	1.000KG	NO	
		TREE FODDER	4.000KG	4.000KG		
		MASH	0.500KG	0.500KG		
		AMLA GREEN	0.050KG	0.000KG		
65.	HYAENA STRIPPED	B.C. MEAT	4.500KG	4.000KG	NO	
66.	NILGAI	GREEN FODDER	6.000KG	6.000KG	NO	
		TREE FODDER	1.000KG	1.000KG		
		MASH	2.000KG	2.000KG		
		AMLA GREEN	0.050KG	0.000KG		
67.	PIG WILD	MASH	1.000KG	1.000KG	NO	
		AMLA GREEN	0.050KG	0.000KG		
		GREEN VEG. LEAVES	1.000KG	1.000KG		
		RICE	K H I C H R I	0.200KG		0.200KG
		MOONG		0.100KG		0.100KG
		BAJRA		0.100KG		0.100KG
		GUR		0.100KG		0.100KG
		HALDI		0.010KG		0.010KG
		SALT		0.010KG		0.010KG
MUSTARD OIL	0.050KG	0.050KG				
68.	PORCUPINE INDIAN	SOAKED GRAM		0.200KG	0.200KG	NO
		GREEN VEG. LEAVES		0.250KG	0.250KG	
		BREAD	0.100KG	0.000KG		
		RICE	0.000KG	0.050KG		
		GROUND NUT	0.100KG	0.100KG		



13. Daily feed Schedule of animals

		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARROT	0.100KG	0.100KG	
		WATER MELON/BHUTTA GREEN	0.000KG	0.100KG	
		SINGHARA/BEET ROOT/BER	0.100KG	0.000KG	
		EGG BOILED	1 NO.	1NO.	
69.	SAN BOA COMMON	CHICK ALIVE*	4NO.	4NO.	ONCE IN A WEEK
70.	SNAKE DIADEM	CHICK ALIVE*	3NO.	3NO.	ONCE IN A WEEK
71.	SNAKE WATER	CHICK ALIVE*	4NO.	4NO.	NONE
72.	TORTOISE	POTATO/SWEET POTATO	0.025KG	0.025KG	NONE
		BANANA	0.075KG	0.075KG	
		TOMATO	0.025KG	0.025KG	
		GREEN VEG. LEAVES	0.025KG	0.025KG	
		CUCUMBER/CARROT	0.025KG	0.025KG	
73.	BUDGERIGER	KANGNI	0.020KG	0.020KG	NONE
		BAJRA	0.020KG	0.020KG	
		PADDY	0.020KG	0.020KG	
74.	COCKATIEL	GROUND NUT	0.025KG	0.025KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARROT	0.025KG	0.025KG	
		APPLE	0.025KG	0.025KG	
		PEAS GREEN	0.025KG	0.000KG	
		KANGNI	0.010KG	0.010KG	
		BAJRA	0.010KG	0.010KG	
		PADDY	0.025KG	0.025KG	
		FRENCH BEANS	0.025KG	0.025KG	
		GRAM SOAKED	0.025KG	0.025KG	



13. Daily feed Schedule of animals

75.	COCKATOO BARE EYED	BANANA	0.150KG	0.150KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARRO T	0.050KG	0.050KG	
		PEAS GREEN	0.100KG	0.100KG	
		PAPAYA	0.050KG	0.050KG	
		APPLE	0.050KG	0.050KG	
		GROUND NUT	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.050KG	
		GUAVA/CHIKU	0.050KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.050KG	
		BEET ROOT/BER	0.050KG	0.000KG	
		MAIZE	0.050KG	0.050KG	
76.	COCKATOO LESSER SULPHUR CESTERED	BANANA	0.150KG	0.150KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARRO T	0.050KG	0.050KG	
		PEAS GREEN	0.100KG	0.100KG	
		PAPAYA	0.050KG	0.050KG	
		APPLE	0.050KG	0.050KG	
		GROUND NUT	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.050KG	
		GUAVA/CHIKU	0.050KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.050KG	
		BEET ROOT/BER	0.050KG	0.000KG	
		MAIZE	0.050KG	0.050KG	
77.	CONURE SUN	KANGNI	0.020KG	0.020KG	NONE
		BAJRA	0.020KG	0.020KG	
		PADDY	0.020KG	0.020KG	
78.	EMU	GREEN VEG. LEAVES	0.500KG	0.500KG	



13. Daily feed Schedule of animals

		EGG BOILED	1 NO.	1 NO.	NONE
		GRAM SOAKED	0.500KG	0.500KG	
		BANANA	1.500KG	1.500KG	
		ONION	0.100KG	0.100KG	
		GARLIC	0.050KG	0.050KG	
		MARBLE CHIPS	0.050KG	0.050KG	
		MIXED DANA	0.500KG	0.500KG	
78.	FINCH ZEBRA	BAJRA	0.010KG	0.010KG	NONE
		PADDY	0.010KG	0.010KG	
		TOMATO	0.100KG	0.100KG	
79.	MACAW BLUE & YELLOW	GROUND NUT	0.050KG	0.050KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARROT	0.050KG	0.050KG	
		BANANA	0.150KG	0.150KG	
		PAPAYA	0.050KG	0.050KG	
		APPLE	0.050KG	0.050KG	
		WATER MELON/BHUTTA GREEN	0.000KG	0.050KG	
		SINGHARA/BEET ROOT/BER	0.050KG	0.000KG	
		MELON/PEARS	0.000KG	0.050KG	
		GUAVA/CHICKU	0.050KG	0.000KG	
		PEAS GREEN	0.100KG	0.100KG	
		MAIZE	0.050KG	0.050KG	
80.	MACAW ILLIGERS	BANANA	0.150KG	0.150KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARROT	0.050KG	0.050KG	
		PEAS GREEN	0.100KG	0.100KG	
		PAPAYA	0.050KG	0.050KG	
		APPLE	0.050KG	0.050KG	



13. Daily feed Schedule of animals

		GROUND NUT	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.050KG	
		GUAVA/CHIKU	0.050KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.050KG	
		BEET ROOT/BER	0.050KG	0.000KG	
		MAIZE	0.050KG	0.050KG	
81.	MACAW MILITARY	BANANA	0.150KG	0.150KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARRO T	0.050KG	0.050KG	
		PEAS GREEN	0.100KG	0.100KG	
		PAPAYA	0.050KG	0.050KG	
		APPLE	0.050KG	0.050KG	
		GROUND NUT	0.050KG	0.050KG	
		MELON/PEARS	0.000KG	0.050KG	
		GUAVA/CHIKU	0.050KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.050KG	
		BEET ROOT/BER	0.050KG	0.000KG	
		MAIZE	0.050KG	0.050KG	
82.	MUNIA SPOTTED	KANGNI	0.010KG	0.010KG	
		BAJRA	0.010KG	0.010KG	
		PADDY	0.010KG	0.010KG	
83.	PARROTS AFRICAN GREY	BANANA	0.150KG	0.150KG	NONE
		CHILLIES	0.005KG	0.005KG	
		CUCUMBER/CARRO T	0.050KG	0.050KG	
		PEAS GREEN	0.100KG	0.100KG	
		PAPAYA	0.050KG	0.050KG	
		APPLE	0.050KG	0.050KG	
		GROUND NUT	0.050KG	0.050KG	



13. Daily feed Schedule of animals

		MELON/PEARS	0.000KG	0.050KG	
		GUAVA/CHIKU	0.050KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.050KG	
		BEET ROOT/BER	0.050KG	0.000KG	
		MAIZE	0.050KG	0.050KG	
84.	PHEASANT GOLDEN	GREEN VEG. LEAVES	0.020 KG.	0.020 KG.	NONE
		MIXED DANA	0.100 KG.	0.100 KG.	
		BREAD	0.010 KG.	0.010 KG.	
		GARLIC	0.006 KG.	0.006 KG.	
		ONION	0.006 KG.	0.006 KG.	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA GRAM SATTU	0.010 KG.	0.010 KG.	
		SWEET LIME/ ORANGE	0.020 KG.	0.020 KG.	
85.	PHEASANT LADY AMHEREST	GREEN VEG. LEAVES	0.020 KG.	0.020 KG.	NONE
		MIXED DANA	0.100 KG.	0.100 KG.	
		BREAD	0.010 KG.	0.010 KG.	
		GARLIC	0.006 KG.	0.006 KG.	
		ONION	0.006 KG.	0.006 KG.	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA GRAM SATTU	0.010 KG.	0.010 KG.	
		SWEET LIME/ ORANGE	0.020 KG.	0.020 KG.	
86.	PHEASANT RING NECKED	GREEN VEG. LEAVES	0.020 KG.	0.020 KG.	NONE
		MIXED DANA	0.100 KG.	0.100 KG.	
		BREAD	0.010 KG.	0.010 KG.	
		GARLIC	0.006 KG.	0.006 KG.	
		ONION	0.006 KG.	0.006 KG.	
		EGG BOILED	½ NO.	½ NO.	
		BHUNA GRAM SATTU	0.010 KG.	0.010 KG.	



13. Daily feed Schedule of animals

		SWEET LIME/ ORANGE	0.020 KG.	0.020 KG.	
87.	SWAN BLACK	GRAM SOAKED	0.250KG	0.250KG	NONE
		MIXED DANA	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.200KG	0.200KG	
		PADDY	0.100KG	0.100KG	
88.	BABOON HAMADRYAS	BREAD	0.150KG	0.000KG	NONE
		RICE	0.000KG	0.075KG	
		MILK	0.100KG	0.100KG	
		BANANA	0.450KG	0.450KG	
		POTATO/SWEET POTATO	0.100KG	0.100KG	
		CUCUMBER/CARRO T	0.100KG	0.100KG	
		GREEN VEG. LEAVES	0.100KG	0.100KG	
		ONION	0.025KG	0.025KG	
		TOMATO	0.025KG	0.025KG	
		GROUND NUT	0.075KG	0.075KG	
		BHUNA GRAM	0.075KG	0.075KG	
		MELON/PEARS	0.000KG	0.100KG	
		GUAVA/CHIKU	0.100KG	0.000KG	
		WATER MELON/ BHUTTA GREEN/SINGHARA	0.000KG	0.100KG	
		BEET ROOT/BER	0.100KG	0.000KG	
BEL FRUIT (APRIL TO JUNE)	0.000KG	0.100KG			
89.	DEER SIKA	GREEN FODDER/KUTTI	3.000 KG.	3.000 KG.	NONE
		TREE FODDER	0.500 KG.	0.500 KG.	
		MASH	1.000 KG.	1.000 KG.	
		AMLA GREEN	0.050 KG.	0.000 KG.	
90.	ELEPHANT AFRICAN	GREEN FODDER	100.0 KG.	100.0 KG.	
		DRY FODDER	15.000 KG	15.000 KG	
		TREE FODDER	150.00KG	150.00KG	



13. Daily feed Schedule of animals

		BANANA	3.600 KG	3.600 KG	NONE	
		GUR	1.000 KG	0.000 KG		
		AMLA GREEN	0.050KG	0.000KG		
		MOONG	K H I C H R I	1.000KG		1.000KG
		RICE		2.000KG		2.000KG
		BAJRA/WHEAT		1.000KG		1.000KG
		HALDI		0.100KG		0.100KG
		SALT		0.100KG		0.100KG
		MUSTARD OIL		0.500KG		0.500KG
91.	HIPPOPOTAMUS	BANANA		1.500KG	1.500KG	NONE
		MASH		20.000KG	20.000KG	
		KUTTI/GREEN FODDER	40.000KG	40.000KG		
		AMLA GREEN	0.050KG	0.000KG		
92.	JAGUAR	B.C. MEAT	6.000KG	7.000KG	NO B.C. MEAT - ON FRIDAY	
93.	LORIS SLOW PYGMY	BREAD	0.100KG	0.100KG	NONE	
		EGG BOILED	1NO.	1NO.		
		CUCUMBER/CARROT	0.100KG	0.100KG		
		PAPAYA	0.150KG	0.150KG		
		MELON/PEARS	0.000KG	0.200KG		
		GUAVA/CHIKU	0.200KG	0.000KG		
		TOMATO	0.100KG	0.100KG		
		HONEY	0.025KG	0.025KG		
94.	CROCODILE SIAMENSIS	FISH DEAD/ALIVE* (6" TO 9")	1.000KG	1.000KG	NONE	



13. Daily feed Schedule of animals

Enrichment

One of the main objectives of Zoo is to provide the naturalistic environment to the animals with adequate space quality, feed, veterinary care. The vision of NZP is always to have more enriched environment for animals. Keeping in view of this, rigorous enrichment drive was undertaken during Covid – 19 lockdown which was an effort to keep our animals physically active and to overcome their boredom due to captive conditions. It resulted in a publication called 'Enrichment efforts of captive animals' which can be accessed on NZP website.

To provide feed enrichment to our animals feast week was organized from 26.12.2020 to 31.12.2020. It aimed that providing feed that is not provided to animals on regular basis to break monotony.

Workshop “Management of Ration for Zoo Animals”

We organised a visit cum workshop of Dr. Asit Das of NDRI Karnal for food and nutrition of animals in captivity at NZP on 22nd January 2021. We have taken many food enrichments for our animals in the recent for their good diet and health.



13. Daily feed Schedule of animals



14.

Vaccination Schedule of animals

SI. No.	Species	Diseases Vaccinated For	Dosage Used	Periodicity
1.	Elephants, Gaur, Tigers (Bengal Tiger/ White Tiger), Rhinoceros, Sloth Bear, Himalayan Black Bear, Jaguar, Common Leopard, Lions, Civet cats/ Jungle cat.	Rabies	1ml	Yearly
2.	Tigers (Bengal Tiger/White Tiger), Jaguar, Common Leopard, Asiatic Lions.	Canine Distemper	1ml	Yearly

Veterinary vaccines have a major role in protecting animal health and public health also, reducing animal suffering. In NZP vaccines are provided to animals as per above motioned schedule customarily.

15.

De-worming Schedule of animals

S. No.	Species	Drug Used	Month
1.	Primates/Ursidae	Drontal Plus (Pyrental Pomate/ Fenbendazole/Praziqintal)	June
2.	Reptiles	Albendazole	June
3.	Ungulates (Herbivores)	Hiteck	June
4.	Primates	Fenbendazole	October, February
5.	Ungulates (Herbivores)	Fenbendazole	October, February
6.	Birds	Albendazole	June/October/ February



16.

Disinfection Schedule

S. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Herbivores, Carnivores, Reptiles	All enclosures	Potassium permanganate sol.	Daily (Footbath as well as in tyre bath)
2.	Herbivores, Carnivores, Reptiles	All enclosures	VirkonS	Daily used as disinfectant agent around the enclosure

Disinfection

Keeping in view, the outbreak of bird flu and Covid-19 pandemic, Delhi Zoo took various steps to contain/avoid infection in our zoo premises as per the guidelines issued by the authorities time to time. The chemical like Lime powder, Sodium Hypochloride and Virkon S were used to control any bacterial or viral infection.

Disinfectant spray have been done on daily basis. The sanitary staff associated with spary of these drugs wears proper clothing like PPE kit, mask gloves etc.



Road Cleaning

Large amount of waste removed from enclosures and garden areas during special cleanliness drive was disposed off and is still in process. The contractor who is responsible for cleaning of roads and disposal of waste from the zoo informed to remove all type of garbage from the zoo area daily.



Moat/Pond cleaning

A monthly schedule is prepared in order to clean all ponds, moat and wallow pools in more intensive and efficient manner. In addition, depending upon the urgency, extra cleaning was also done in moat of African Elephant enclosure beat no. 13 and Bonnet Monkey enclosure in beat no. 1.



16. Disinfection Schedule

Yearly schedule of Dengue, Fly & Rat control

S. N.	Months	Fly control		Rat Control	Malaria Control		Disinfection		
		Fly Control	Flycobait		Bacticide	Fogging	Virkon S thrice a week	Sod, hypo. chloride thrice a week	Lime powder once a week
1	Jan.	-	-	Daily	-	Once a month	Monday, Wednesday, Friday	Tuesday, Thursday, Saturday	Friday
2	Feb.	-	-	Daily	-	Twice a week	-do-	-do-	-do-
3	March	-	-	Daily	Twice a month	Once a week	-do-	-do-	-do-
4	April	-	Daily	Daily	Twice a month	Once a week	-do-	-do-	-do-
5	May	-	Daily	Daily	Once a week	Once a week	-do-	-do-	-do-
6	June	-	Daily	Daily	Once a week	Once a week	-do-	-do-	-do-
7	July	-	Daily	Daily	Once a week	Once a week	-do-	-do-	-do-
8	August	-	Daily	Daily	Once a week	Once a week	-do-	-do-	-do-
9	Sept.	-	Daily	Daily	Once a week	Once a week	-do-	-do-	-do-
10	October	-	-	Daily	Twice a month	Once a week	-do-	-do-	-do-
11	Nov.	-	-	Daily	Once a month	Twice a month	-do-	-do-	-do-
12	Dec.	-	-	Daily	-	Once a week	-do-	-do-	-do-

Malaria eradication

Fogging is being done as per schedule regularly to control mosquito breeding. In addition anti malaria spray like NOC-99 was done in office building, all keepers room, hospital, store, public toilets etc. Stagnation of water is being regularly checked and if necessary diesel or petrol is used to control the breeding.



16. Disinfection Schedule

Rat & Vermin eradication

Total rats captured during the period w.e.f. September 2020 to March 2021 is 3317.

S. No.	Month	No. of rats eliminated
1.	September	183
2.	October	274
3.	November	320
4.	December	728
5.	January	756
6.	February	470
7.	March	586



17.

Health Check-up of employees for zoonotic diseases

S. No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1.	All Animal Staff	Head Keeper, Assistant Keeper, Daily Paid Labours and others	08.03.2021 to 12.03.2021	Good

HEALTHCARE MANAGEMENT: OVERVIEW

In this time of CORONA Virus disease Pandemic, Every Zoo staff of National Zoological Park played a crucial role in the management and care of our zoo inmates. After the Onset of Pandemic in the Country, NZP was closed w.e.f. 22.3.2020 for Visitors. However, we worked and continued our efforts for the welfare and care of zoo inmates. In the light of occurrence of corona virus infection in Tigers, Lions etc in Bronx Zoo, we put a close watch on animals specially carnivores. From March to August, 2020 three big cats (Two Tigers and One lions) got sick and all were screened for COVID and subsequently they tested negative for COVID. Indian Veterinary Research Institute (IVRI), Bareilly has been helpful in screening of these samples for COVID. Guidelines issued by Central Zoo Authority were followed while handling the Big Carnivores to minimise/ prevent the spread to other animals.

In the Year 2020-21, Veterinary team has been engaged in different nature of works which include specific treatment to ailing animals, implementation of deworming and vaccination schedule, screening and prophylactic supplements to the Zoo animals, carrying the surveillance programme (parasitic load/Avian Influenza etc.), Immobilization and surgical interventions to animals, training to veterinary Internee students, newly joined veterinarians and paravets. Several Workshops focusing on best management practices on Mammals, birds, Capture myopathy, animal nutrition and wound management has also been taken up this year. Moreover special emphasis was also given on screening of animals (Invasive/Non-Invasive techniques), minimizing the capture Myopathy, strengthen the tools of diagnosis and treatment. In this regard Inhouse workshops MoU with different Institutions like Jabalpur Veterinary College, Zoological Society of India, Kolkata, has also been materialised.



17. Health Check-up of employees for zoonotic diseases

Important medication and success in the health care from 1st April, 2020 to 31st March 2021 has been highlighted here:

Surgical Treatment of Mandibular abscess in a elephant "Rajlakshmi".

Rajlakshmi was in tremendous pain and could not eat properly. On close examination it was found that it has developed an abscess at the lower Mandible close to its mouth with huge swelling and required surgical intervention. After one month of aggressive treatment and care, animal recovered and her wound was completely healed. Rajlakshmi now is in fine state and enjoying her daily treat given at National Zoological Park.



Management of a White Tigress "Sita" affected with Root Canal Infection.

The youngest white Tigress of National Zoological Park 'Sita' found with anorexia, dyspnea, pain, swelling in labia (Mouth). Initial examination revealed some problem in the mouth and for detail examination. To help us team from Wildlife SOS has also been called upon. One field veterinarian from Delhi has also been called upon. Animal was immobilised using Xylazine and Ketamine Hydrochloride, After X ray and examination of the mouth it has been observed that enamel (Canine) of lower canine tooth has been exposed and infected which resulted in pain and fistula has been formed connecting the lower Mandible. The affected part was cleaned with diluted Povidine iodine further a course of Antibiotics, Pain Killer and vitamin supplement was given to Tigress. She recovered and start eating her food. At present she is on boneless meat chunks given along with calcium tablets and vitamin supplements. Prospective of filling the exposed enamel has also been thought upon.



17. Health Check-up of employees for zoonotic diseases

Surgical Treatment of Ventral Hernia in a Blue Bull fawn.

A dependent fawn of Blue bull has been observed with swelling in the inguinal region. On examination it was diagnosed as inguinal hernia. The animal was operated under General anesthesia. Animal was under care and hand raised on Milk formula (LactogenII). After weaning, animal was brought back to his herd at NZP.



Podo-dermatitis/ Abscess /Ventral Edema and its successful Management in an Indian Tusker "Hiragaj".



Managing Tusker has always been a challenging task. Foot problems injuries, Oedema are one of the predominant ailments recorded in elephants under Captivity. Best management practices help in managing these ailments. Wound at the forelimb of Hiragaj was not healing properly for a very long time, hence it was operated so that proper drainage can be made for faster healing. The wound has been healed following a rigorous dressing protocol.



17. Health Check-up of employees for zoonotic diseases

Therapeutic treatment of Venereal Tumor in Wolf.

A Male Wolf has been diagnosed TVT (Transmissible Venereal Tumors) after it has developed a wound near the external genitalia. Histopathology and Cytology from the effected area confirmed a case of TVT. Animal was given with chemotherapy (*Vincristin). Animal responds to the treatment and recovered from the ailment. A close observation has also been made to other members of the pack, however no other animal found with any abnormality in their genital organs.



Management of Big Cats (Lion/Tiger/Jaguar/Leopards) with special reference to address obesity and kidney ailments in particular

Big cats in captivity are very much prone to Kidney ailments. Furthermore lack of enrichment tools and exercise, obesity, stereotypic behavior has been observed in big cats in captivity. To address this issue, special emphasis has been given starting from bringing diverse food (adding chevon) in the diet to putting enrichment tools in Big cats particular. Routine investigation (Blood parameters) helps in checking the health. Furthermore marker Creatine: albumin Ratio from Urine has been found effective in tracing early diagnosis of kidney ailments.

Management of Lion affected with Hind limb weakness/neurolectic symptoms.

On August, 2020 he was affected with hind quarter weakness and able to stand of its own. Lion Sundaram is one of the oldest Lions of NZP further; he also had loss of appetite and congested mucosa. The animal was immediately shifted to hospital and therapeutic management was done. Expert's opinion was also taken from Dr. Gourav from Etawah Lion Safari Park and Dr. Pawde from IVRI. Sundaram was able to recover from its ailment and once again able to walk properly.



17. Health Check-up of employees for zoonotic diseases

Chain Burn Injury and its successful Management in an African elephant "*Shankar*".



National Zoological Park has the privilege of having a male African Elephant. The animal has been gifted by Zimbabwe President to India. Shankar is not well trained elephant like other captive Asian elephants Rajlakshmi and Hiragaj. Managing him has always a challenge. This Year during his "Musth" he sustained severe chain burn injuries. However with the help of well trained Mohuts, we could well managed Shankar during the 'Musth' and able to treat his chain burn injuries.



17. Health Check-up of employees for zoonotic diseases

Management of *Dystokia* cases in Ungulates:



Dystokia in ungulates in captivity has been observed quite frequently in this year. We had recorded cases of dystokia in Black Bucks (1), Barking Deer (2), Spotted Deer (3) and Blue Bulls (4). Separating pregnant ungulates from the herd is a challenging task in captivity. Newer techniques of capturing ungulates are the need of the hour. Minimize the Capture Myopathy are found to be key to the success.

Treatment and Enrichment for Pheasants

This year special emphasis has been given on providing enrichment to the animals specially in Birds. In pheasants, overgrown beak is one of the common issues observed in the birds in captivity. Providing enrichment is the key to the proper management of these pheasants in captivity.



Sero- Surveillance and Control for Avian Influenza in National Zoological Park.

In January, National Institute of High Security Animal diseases, NIHSAD, Bhopal declared Avian Influenza in NZP accordingly Office of the Director: Animal Husbandry Unit Development Department Government of NCT of Delhi notified NZP as infected zone for Avian Influenza. By then Kanpur Zoo, has already had an Avian Influenza incidence in wild bird. In NZP this is the second time Incidence of Avian Influenza has been recorded, the 1st incidence of AI was recorded in 2016.

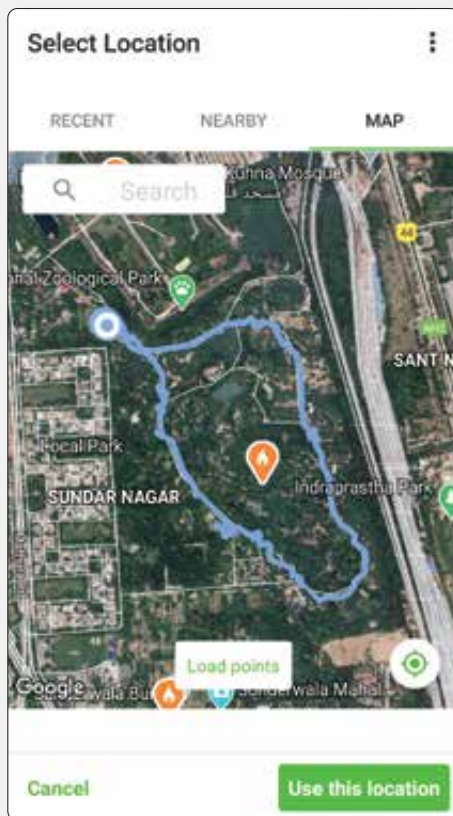
By these time, Migratory birds primarily Painted Storks were present. Monitoring and Biosecurity measures were the two key points on which work has been done. In relation to monitoring the wild birds, eBird has been used. Furthermore Drone camera has been used to see the wild birds specially the chicks of the painted stork. Strict Bio-security measures viz spray of Sodium Hypochlorite around the enclosures and water bodies etc was followed. Zoo was already then closed for visitors.

As per the GOI guidelines, post operation surveillance program were carried out along with Rapid Response Team Animal Husbandry Unit, Delhi which is nodal office for addressing Avian Influenza outbreak. Four rounds of samples (environmental samples, fecal droppings) were collected and as per the GOI guidelines sent to NIHSAD on fortnightly basis.



17. Health Check-up of employees for zoonotic diseases

Considering the two consecutive negative results for Avian Influenza from the samples (collected on 16.2.2021 and 3.3.2021), sent from here to NIHSAD NZP was declared for public use on dated 17.3.2021



18.

Development Works carried out in the zoo during the FY - 2020-21

No major work was undertaken by the CCU only A/R & M/O works were done. CCU took plea of Covid-19 constrains for not taking up major work.

Signages and Road Marking

For educating the visitors wooden signage's along with road marking are provided in the zoo bearing conservation messages.



<https://www.delhizoo.gov.in/>



19.

Conservation Education

Zoos are living Educational Institutes and impart Informal education and inspire empathy for wildlife, understanding and awareness about need of conservation of natural resources besides maintaining ecological balance. Now Zoos become the place of instinct development for wildlife and environment. Education section of this park helps to make visitor's visit a meaningful and rewarding. This section is responsible for the planning and execution of educational programs, production of zoo publications like guide book, guide map, brochure leaf lets etc. and all informal education related work.

Events

In FY 2020-21 various events were organized to generate awareness among about the wildlife, conservation and the protection of the environment. The details are as under:

Van Mahotsav

Van Mahotsav was celebrated at NZP on 7th July, 2020. Plantation drive was carried out involving the zoo staff. The Massive tree planting carried out during this year inside



NZP. In addition, more than 1000 flower pods displayed with seasonal flower inside Zoo premises. The Director, NZP & zoo staff also planted saplings on this occasion.

CLEANLINESS DRIVE

National Zoological Park, New Delhi every year organizes a Cleanliness drive in the zoo premises.

Due to the Covid-19 pandemic this year, Delhi zoo had to spell out a number of precaution so that all the animals kept here are safe. Cleanliness and animal safety is the first priority of Delhi Zoo. Due to the Covid-19, it has been very challenging to ensure the cleanliness work in the zoo with less staff.

With the cooperation of all the zoo staffs, Delhi Zoo was successful in keeping the zoo environment clean and safe for the animals and the staff living here. In these challenging times, the sanitary staff of Delhi Zoo has been instrumental in keeping the zoo clean & safe.



19. Conservation Education

Gandhi Jayanti

Gandhi Jayanti is celebrated annually on 2nd October to commemorate the birthday of Mahatma Gandhi. On this occasion NZP organized “Swachhta Abhiyan” in which Director, NZP along with all the zoo staff paid floral tribute to the father of the nation.

Besides this, a photo frame of Mahatma Gandhi was placed in the Director Office and all the zoo staff paid tribute by putting flower to the photo frame.



19. Conservation Education

World Environment Day – 2020

World Environment Day has been annually celebrated in National Zoological Park, New Delhi.

In view of Covid – 19 Pandemic Director NZP initiated special arrangement for the housed elephant of NZP on this occasion i.e. WED – 2020. Sprinkles were installed in the elephant (shelter) holding area to provide the animal's safe environment in summer.



The female & male elephant namely Rajlakshmi and Gajraj were bathed, after that, special food was arranged, which included watermelon, melon, cucumber, banana, banana leaves, jackfruit, khichdi and Jaggery.

In this way, something different was done for elephants, which play an important role in our biodiversity.



On the World Environment Day, NZP also organized online competition for school students in four different categories which includes painting competition, Essay writing competition & Amateur Photography.



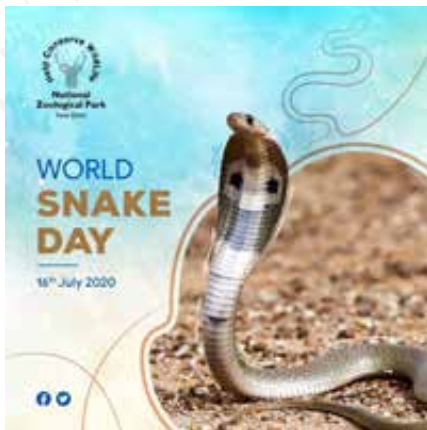
19. Conservation Education



19. Conservation Education

World Snake Day

National Zoological Park, New Delhi organized a live session on the celebration of World Snake Day on 16th July 2020. During the celebration people were got a chance to interact with our renowned Zoo Keepers regarding upkeep and housing of Snakes in Delhi Zoo.



International Tiger Day

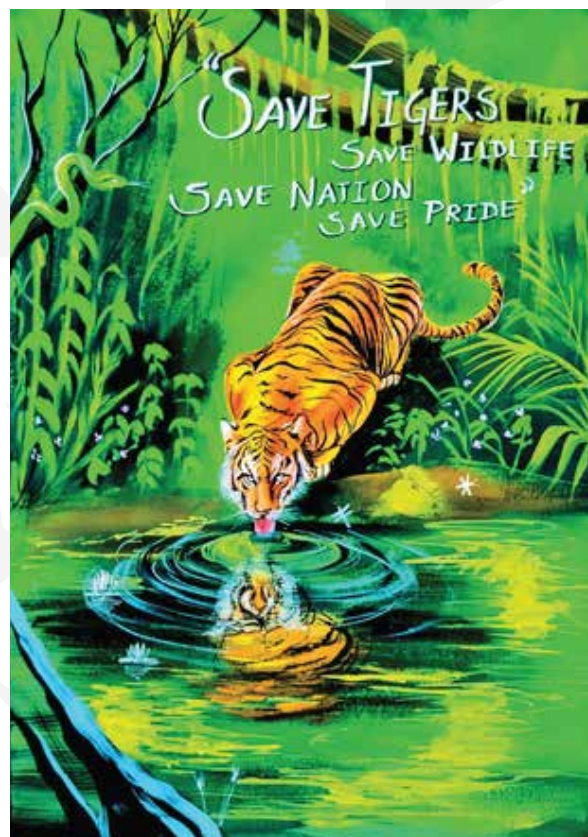
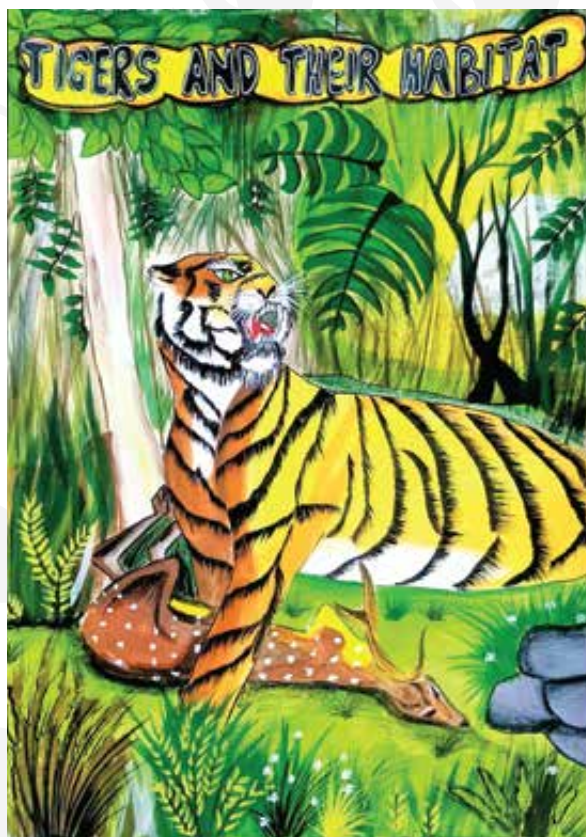
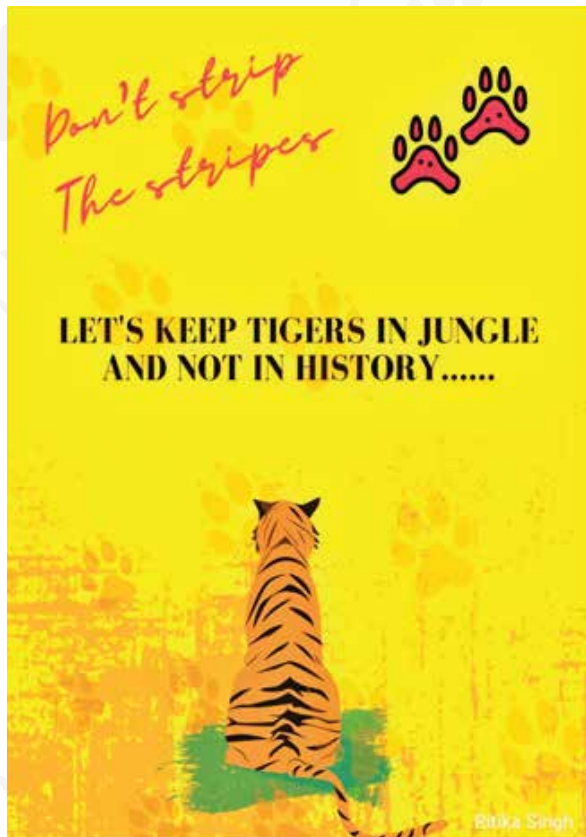
Global Tiger Day was celebrated on 29th July, 2020 at National Zoological Park, New Delhi. Celebration was started with Keeper's Talk. Due to Covid – 19 Pandemic this year NZP organized Online Poster Making Competition. The participants from all over the India participate enthusiastically. The winners of the competition were awarded Certificate through courier & prize money was transferred to their Bank accounts.



19. Conservation Education



19. Conservation Education



19. Conservation Education

Wildlife Week Celebration

The National Zoological Park, ceremoniously and traditionally celebrates Wildlife Week. Since its inception in 1959 wildlife week has been annually celebrated in National Zoological Park in the first week of October.



This year the Wildlife Week marks the 66th Wildlife Week which is celebrated under the theme RoaR (Roar and Revive) – Exploring Human-Animal Relationship.

On this occasion Online Essay Writing Competition, Online Painting Competition, Online Poster Making Competition & Photography Competition were organized for all age group of school, college students as well as amateur photographers.

This Online painting competition was held under 5 categories:

- Group A : 1st to 5th Class
- Group B : 6th to 8th Class
- Group C : 9th to 10th Class
- Group D : 11th to 12th Class
- Group E : Divyang Students

The Director, NZP suggested the judges to add a new category namely “Cute entries” at the time of judging of entries of painting competition for the students who draw cute paintings.

A separate topic was given to each group of painting competition and these were;

- Category-I : “My Favourite Zoo Animal”,
- Category-II : “Forests and Wildlife”,
- Category-III : “Indian Deer & Antelope”,
- Category-IV : “My Favourite Zoo Bird”,
- Category-V : “Elephant and their Habitat”.

In this online competition more than 400 entries were received from all over the India.



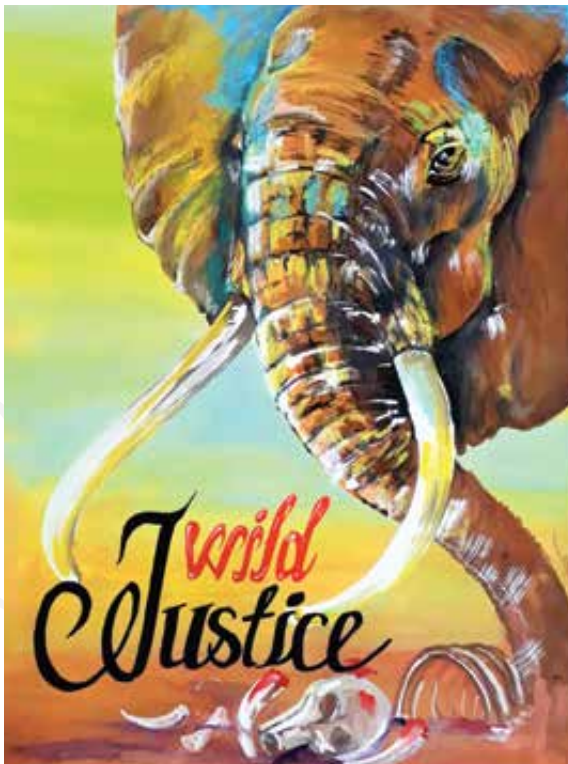
19. Conservation Education



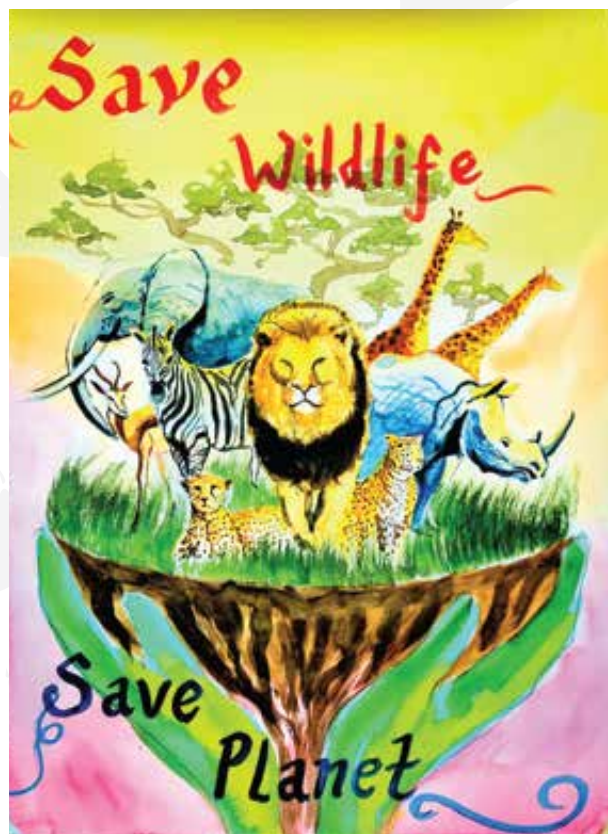
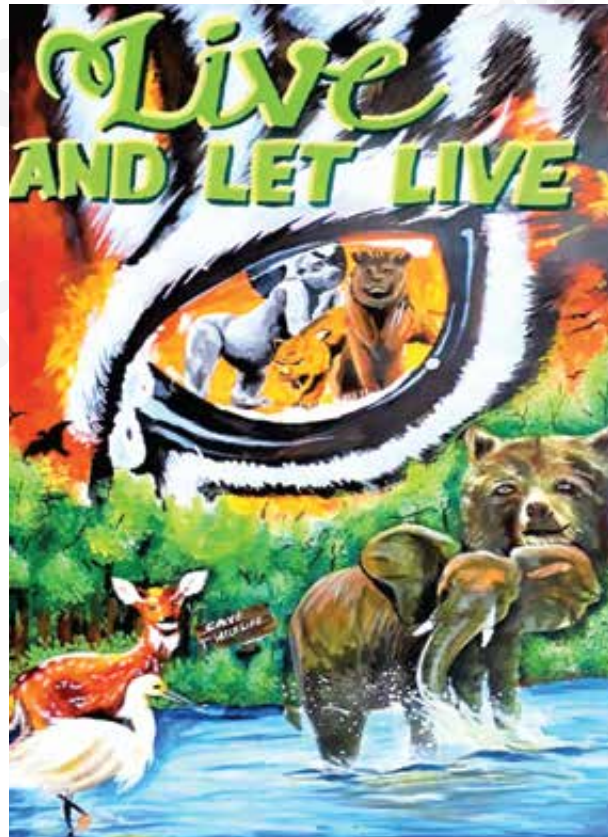
19. Conservation Education

Poster Making Competition

Online Poster Making Competition on the topic “Save Wildlife” was conducted for university students. The Posters conveyed messages on the save wildlife. Total 50 entries were received. The participants gave their best in this competition and shown how wildlife can be saved and what we can do for saving wildlife.



After the competition, poster were judged by the eminent judges, winners were declared for 1st, 2nd and 3rd positions along with two consolations prizes.



19. Conservation Education

Online Essay Writing Competition

An Essay Writing Competition in two categories i.e. Category – I “class – V to VIII” on the topic “First visit to a zoo” & Category – II “IX to XII” on the topic “The role of zoos in conservation of wildlife” were organized for school students.

The students different school from Delhi NCR participated enthusiastically and total 90 entries were received for the said categories.

Amateur Photography Competition

This Amateur photography competition was for amateur photographers. Participants submitted their best photographs these were judged by a panel of eminent wildlife photographers and winners were selected for 1st 2nd and 3rd along with two consolation prizes.



19. Conservation Education

International Lion Day

National Zoological Park, New Delhi (Delhi Zoo) has celebrated International Lion Day on 10th August, 2020 as an Education Awareness programme.



On this occasion Keeper's talk was organized by Shri Ramesh Kumar Pandey, IFS, Director, NZP in front of Lion enclosure. Lion Keepers Shri Kripal, Asstt. Keeper, Shri Vinod Kumar,



Asstt. Keeper and Shri Ramkesh, Asstt. Keeper shared their thoughts and experiences with all Zoo staff in this Keeper's Talk. Shri Ramesh Kumar Pandey, IFS, Director spoke to all the Zoo staffs on this occasion and shared about his experiences. Director, NZP also told them that how they can play the key role in conservation and management of zoo. Dr. Abhijit Bhawal, Veterinary Officer, Shri Riaz Ahmad Khan, Curator (Edn.) and Dr. Manoj Kumar, Biological Assistant, NZP also expressed their views on this occasion to the Zoo staff. During this keeper's talk all Zoo Keepers and staffs enthusiastically participated in it and also shared their



valuable suggestion. On the International Lion Day, NZP also organized online competition for school students in four different categories which includes Painting Competition & Poster Making Competition.



19. Conservation Education

International Elephant Day

Delhi Zoo has celebrated International Elephant Day on 12th August, 2020 as an Education Awareness programme.

Shri Ramesh Kumar Pandey, IFS, Director, NZP inaugurated the programme near Elephant enclosure of NZP.



On this occasion special arrangements were made for the housed elephants of NZP by the Director, NZP. i.e. special feast was arranged, which included watermelon, melon, cucumber, banana, banana leaves, khichdi, Chapatti and jaggery. In this way, something



different was done for elephants, which play an important role For the enrichment of our captive animals. On this occasion Keeper's talk was also organized in front of Elephant enclosure. Elephant Keepers Shri Om Prakash, Asstt. Keeper, Shri Vinod Kumar, Asstt. Keeper, Shri Anitya, Mahout (DPL)



and Shri Aukon Mahout (DPL) shared their thoughts and experiences with all Zoo staff in this Keeper's Talk. At the end of the Keeper's Talk, Copper water bottle was also gifted by the Director. Dr. Abhijit Bhawal, Veterinary Officer, Shri Riaz Ahmad Khan, Curator (Edn.) and Dr. Manoj Kumar, Biological Assistant, NZP also expressed their views. Director spoke about his experiences, hard work when he was a part of Elephant conservation project. They also briefed about ex-situ and In-situ conservation. In this International Elephant Day, NZP also organized online competition for school students in four different categories which includes Painting & Poster Making Competition.



19. Conservation Education



19. Conservation Education



International Rhino Day

On 22nd September 2020 Keeper's talk was organized and inaugurated by Ramesh Kumar Pandey, Director, NZP in front of Rhinoceros enclosure to celebrate International Rhino Day. Rhino Keepers Shri Abdul Hameed, Asstt. Keeper, shared their thoughts and experiences with all Zoo staff. Dr. Abhijit Bhawal, Veterinary Officer, Shri Riaz Ahmad Khan, Curator (Edn.) and Dr. Manoj Kumar, Biological Assistant, NZP also expressed their views on this occasion to the Zoo staff.



In this World Rhino Day, NZP also organized online competition for school students in four

different categories which includes Painting Competition & Poster Making Competition.



19. Conservation Education

International Wetlands Day

International Wetland day was celebrated in National Zoological Park, and an online webinar was conducted on 2nd February, 2021 the topic of the webinar was **“Wetlands: Threats and conservation needs”**. The guest speaker was Professor J.K. Garg, a well-known name in conservation and research on wetlands and the associated fauna.



National Science Day

National Zoological Park, New Delhi organized an online essay writing competition for students to celebrate National Science Day, 2021. Students upto Graduation Level has participate in this competition by submitting their entries through email in different 3 categories and 2 subcategories.



World Wildlife Day

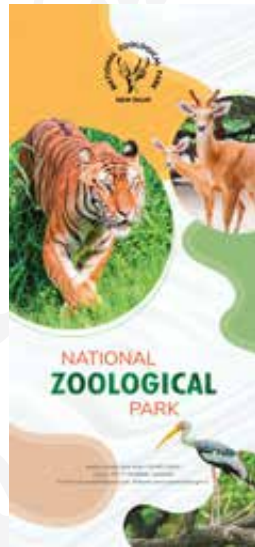
On 3rd March 2021 National Zoological Park New Delhi organized a Wall Street Art in collaboration with Delhi Street Art.



20.

Important Events and happenings

National Zoological Park (Delhi Zoo) organized a plantation drive on the lines of Van Mahotsav in which 125 trees of different species planted i.e. Amaltas, Gulmohar, Neem, Jamun, Pilkhan, Jakranda, Hamelia, Chandani, Habicus etc.



An inauguration programme was also organized for newly designed Pamphlet, Zoo Guide, literature etc. for the National Zoological Park.



On this occasion Shri Babul Supriyo, Hon'ble Minister of State, Ministry of Environment, Forest & Climate Change has kindly graced the programme as chief guest.



Saplings were planted by the Chief Guest and Member Secretary of CZA, ADG (WL), MoEF&CC and Director, NZP.



Chief Guest, Director, NZP along with other officials of MoEF&CC inaugurated the newly designed Pamphlet, Zoo Guide, literature, Zoo Map etc at Education Centre of National Zoological Park, New Delhi.

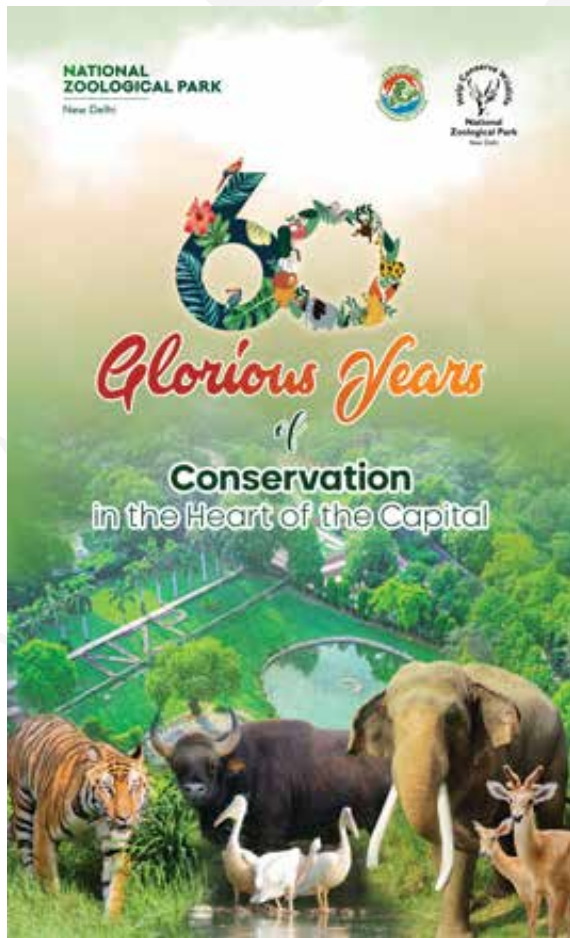
Chief Guest and other dignities were given Mementos at the end of the visit.



20. Important Events and happenings

Foundation Day

National Zoological Park, New Delhi celebrates 60 glorious years of conservation. On this occasion Director, NZP organize a programme on 1st November, 2020 at Zoo Education Center. As a precautionary measure of prevailing Covid – 19, an in-house staff interaction meeting was organized.



Education Assistant, welcoming the members and background note regarding zoo history, followed by an introductory note by Director, NZP in which he briefed staff about “Journey



so far”. Further, In-charges of each section of the zoo shared their views on the work undertaken by them, difficulties they are facing and their future plans to make the zoo more beautiful.



Health and Hygiene: An in-depth presentation was given by Dr. Abhijit Bhawal, Veterinary officer, and his team, detailing about health and hygiene. V.O. talked about the basic understanding of health and hygiene of animals. He briefed the staff about 5 freedoms in animal welfare that are freedom from hunger & thirst, freedom from discomfort, freedom from pain, injury &



20. Important Events and happenings

diseases, freedom to express normal behavior and freedom from fear & distress. Further, V.O. emphasized on the importance of health and hygiene in captive wildlife and how each department of zoo collectively influences that. He then mentioned the provisions of preventive, diagnostic and therapeutic health care for wildlife that zoo undertakes like prophylactic supplement schedule, deworming, vaccination, post mortem examinations, treatment of sick animals etc. and also highlighted the areas in which zoo has much scope of improving. The areas in which zoo need boost are found to be screening and observation. To improve diagnosis, Zoo has taken step forward with the use of advanced healthcare technologies i.e. ultrasonography, radiography, blood

analyzer, C.T. scan, use of biomarkers for identification of diseases (non-invasive methods), rapid testing kits for different diseases etc. Director, NZP suggested procurement of testing machines e.g. blood analyzer, x-ray machine for quick and effective diagnosis and preparation of database of screenings for future reference and comparison. He also suggested to collaborate and sign MoU with other institutes like IVRI for research and cooperation.

After this interaction session, 3 daily paid animal attendants namely, Shri Ram samuj, Shri Okon, Shri Ashok were rewarded for their outstanding performance in last six months. Director, NZP awarded them and highlighted their work in upkeep of zoo animals.



20. Important Events and happenings

Feast Week

National Zoological Park has organised a week long feast for their animals to celebrate New Year. A specialised winter food was given to all the animals on different days. It was started with Elephants and Rhinos on day first and during the course of seven days all the animals had been covered. The menu has been selected with the consultation of experts in animal nutrition and was provided to the animals accordingly.



20. Important Events and happenings

Workshops Conducted

Workshops in any organization provides a platform for meeting subordinates, increased engagement and collaboration, training of the staff for their better efficiency, discussing the issues faced by staff and finding their



potential solutions through exchange of views. It is also thought that regular organization of workshops leads to new ways of thinking, sharing viewpoint with subordinates and also breaks monotony of daily work routine by providing a recreational activity in a way. Considering this, twelve capacity building workshops and two interactive sessions for Zoo keepers and staff of National Zoological Park were planned by coordination of education section, veterinary section, animal section and administrative section.

“Capture Myopathy and its management in ungulates”

An in-house capacity building workshop for Zoo keepers and staff of NZP was organized on 07.12.2020 by Veterinary team on Capture Myopathy and Its Management in Ungulates. Various aspects including different types of ungulates, their nature, methods of capture, measures to take while handling the animal, ways to minimize capture myopathy were discussed.

“Management of Deer and antelopes in Captivity”

A workshop was conducted on ‘Management

of Deer and Antelopes in captivity’ for the zoo staff on 14th December, 2020. This workshop



was the first in a series of four workshop conducted by education team. Curator Education and Education Assistant were given the task to conduct this workshop.

“Captive Management of Big Cats and their Conservation Breeding”



On 21st December 2020 an in-house workshop on “Management of Big Cats in Captivity and Conservation Breeding” was organised at Education Centre, NZP in which Zoo keepers and attendants were given inputs on the subject.

“Birds and Reptiles in captivity and their management”

Third in the series of four workshops was conducted on “Birds and Reptiles in captivity and their management” on 28st December, 2020 at Education center in which various aspects of captive management of birds and reptiles was discussed with animal handlers.



20. Important Events and happenings



“Primates and small mammals, and their captive management”

Another workshop on “Primates and small mammals, and their captive management” was conducted on 4th January, 2021.



“Wound and their treatment”



An in-house capacity building workshop on Injuries and Treatment was organized for staff and keepers on 08.01.2021 by Veterinary team. Various aspects including basics of injuries, its different types and nature of healing, treatment and first aid followed by question answer round for keepers were discussed.

Workshop on “Health and Nutrition” by Dr. Asit Das

Workshop of Dr. Asit Das, National Dairy Research Institute, Karnal for food and nutrition of animals in captivity at NZP on 22nd January 2021 was organised.



20. Important Events and happenings

Inauguration of e-newsletter

On 3rd March 2021 E-newsletter for the period of December to March 2021 is released and uploaded to the NZP websites under publication tab for the public.



Photograph of the month

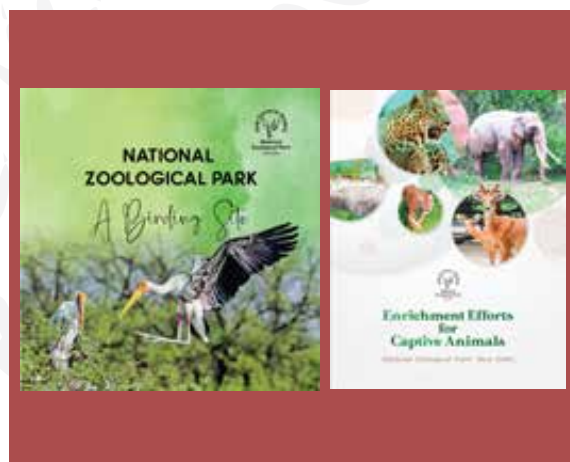


Poster on “60 glorious years of conservation in the heart of the capital”.

On the occasion of completing 60 glorious years of conservation, Shri Babul Supriyo, Hon'ble Minister of State, Ministry of Environment, Forest and Climate Change has

released the newly designed poster as well as the cover page of the “National Zoological Park – A Birding site & a publication on “Enrichment Efforts for Captive Animals” in presence of ADG Wildlife and Member Secretary NTCA/CZA.

**(The two of the publications of National Zoological Park based on the field works done in the recent past)*



20. Important Events and happenings



20. Important Events and happenings

Avian influenza drills are in place with care and diligence.



Meeting of Parliament Committee on official Language

On 12th January 2021 Parliamentary Committee of Official Language took a



meeting on progress of use of Official Language "Hindi" in National Zoological Park at Ashoka Hotel. The Meeting were attended by the Director, NZP with Smt. Anamika, Joint Director and other officials.



Webinar on "Birdwatching in India for beginners"

Zoos play vital role in conservation education. National Zoological Park, New Delhi has started a series of online talks on various aspects of natural history and wildlife conservation. The first talk in this series held on 'Birdwatching for Beginners' on 12th March 2021. The talk was conducted by the birder Dr. Asani Bhaduri, Asstt Professor in Delhi University.



20. Important Events and happenings

Launch of Newly Designed Website

The newly designed bilingual website has been live by the Director, NZP in the presence of all the zoo staff.

Online ticketing service was also started so that during this pandemic like situation, contact with visitors can be kept to a minimum and



visitors can also be saved from waiting in long queues, all these steps were done keeping in mind the guidelines of covid.



20. Important Events and happenings

MoU signed with Bank

In continuation with the online ticketing, a Memorandum of Understanding has been signed with concerned bank by the Director, NZP.

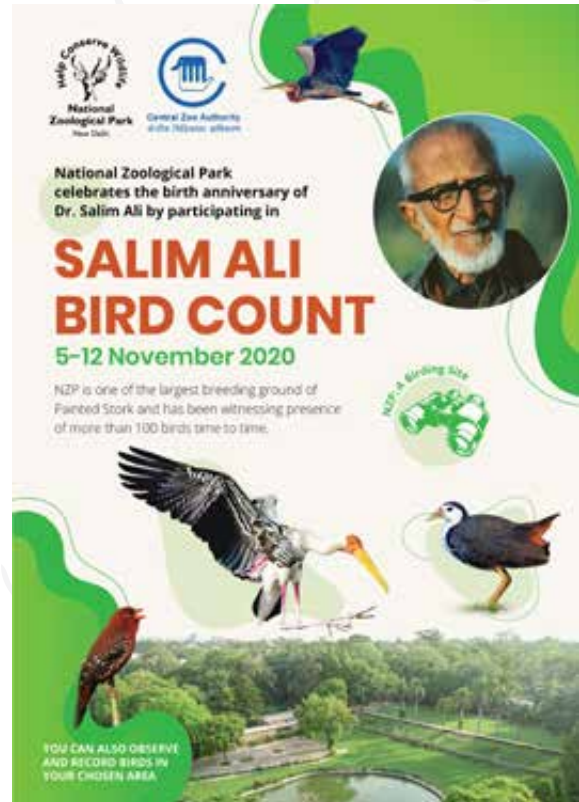


Management Effectiveness Evaluation

Mr. P. C. Tyagi former PCCF & CWLW, Tamil Nadu Forest Department and Faculty member WII visited NZP for pilot testing & finalized MEE format.



Salim Ali Bird Count



On birth anniversary of Dr. Salim Ali, National Zoological Park organized a Bird Count from 5th to 12th November 2020 at NZP.

As NZP is one of the largest breeding ground of Painted Stork.

Asian Water Bird Census

On 4th January 2021 an Asian Waterbird Census has been done by Mr. T.K. Roy (Ecologist and Environmentalist) with his team at National Zoological Park, New Delhi. The team were visited all wetlands of NZP.



20. Important Events and happenings

IFS walking test conducted in NZP

Compulsory walking test of Indian Forest Service appointees – IFSE-2019 involving 88 candidates conducted at NZP.

Retirement during 2020 – 21

S. No.	Name of Employee	Post of Employee	Date of Retirement
1.	Sh. Ravinder Kumar	Grden Supdt.	31.10.2020
Voluntary Retirement			
2.	Shri Ashok Kumar	Asstt. Keeper	31.10.2020

Bin There, Done That

NZP collaborated with Delhi Street Art to organize a nature-based painting event on old dustbins and extending the beautification efforts of Delhi Zoo to next level on 27th March 2021.



21.

Seasonal special arrangements for upkeep of animals

Proper arrangements made to provide safe environment from tremendous heat in summer and to protect from severe cold in winter at NZP.

Sprinklers are installed in the animal holding area and coolers are installed in summer and Hessian cloths along with heaters, wooden floor and straws are provided during winter to provide the animal's safe environment in Summer and in Winter.



22.

Research Work carried out and publications

National Zoological Park is the ideal place for scientific research in the field of animal and applied sciences and due to this every year research scholars comes to do various research in field maintaining stud books and animals history cards, study of nutrition, chemical analysis, pathology and parasitology of endangered animals.



22. Research Work carried out and publications

Research/ Project work

S. N.	Name of the Researcher	Designation	Institute Name	Area of Research/Work
1.	Dr. Yadvendradev V Jhala	Professor	WII	Black Kite
2.	Mr. Qamar Qureshi	Scientist G	WII	Black Kite
3.	Dr. Fabrizio Sergio	Prof.	CSIC	Black Kite
4.	Mr. Andrew G	Prof.	University Oxford	Black Kite
5.	Dr. Nishant Kumar	D. Phill	University of Oxford	Black Kite
6.	Dr. T.K. Roy	Ecologist & Conservationist	AWC (Asian Water Bird Census)	Research on Water birds

Internship Programme

S.No.	Name	College Name	Internship/ Research	Period
1	Mr. Yash Bhardwaj	Amity University	Internship	1 st March to 31 st March 2021
2	Mr. Utkarsh Saksena	Amity University	Internship	1 st March to 31 st March 2021
3	Mr. Aakash Verma	Amity University	Internship	8 th March to 7 th April 2021
4	Mr. Prantika Nath	Amity University	Internship	8 th March to 7 th April 2021



22. Research Work carried out and publications

5	Mr. Parvez Khan	Wildlife Biodiversity & Conservation, Odisha	Internship	13 th July to 30 th November 2020
6	Mr. Rahul Pandey	Veterinary College, Hassan, Karnataka	Internship	29 th July to 17 th August 2020
7	Mr. Inder Shekhar	Veterinary College, Hassan, Karnataka	Internship	29 th July to 17 th August 2020
8	Ms. Harshita Raghav	Wildlife Health Management, Jabalpur, M.P.	Internship	29 th July to 17 th August 2020
9	Ms. Akasnsa Kaushik	Sanskar college of Architecture & Planning, U.P.	Internship	18 th Nov., to 30 th November 2020
10	Mr. Abhishek Thakran	Rajiv Gandhi Institute of Veterinary Education & Research, Kurumbapet, Puducherry	Internship	1 st December to 31 December 2020
11	Mr. Ahan Nagpal	Rajiv Gandhi Institute of Veterinary Education & Research, Kurumbapet, Puducherry	Internship	1 st December to 31 December 2020
12	Mr. Ankit Ranga	Rajiv Gandhi Institute of Veterinary Education & Research, Kurumbapet, Puducherry	Internship	1 st December to 31 December 2020
13	Mr. Mohit Swami	Rajiv Gandhi Institute of Veterinary Education & Research, Kurumbapet, Puducherry	Internship	1 st December to 31 December 2020
14	Dr. Hanshika Singh	NTR college of Veterinary Science	Internship	23 rd January to 06 th February 2021
15	Dr. Rashmi Malik	Sri Venkateswara Veterinary University	Internship	23 rd January to 06 th February 2021
16	Ms. Mansi Kumar	Amity Institute of Forestry & Wildlife	Dissertation Work	1 st February to 31 st May 2021
17	Ms. Deepal Chatrath	Amity Institute of Forestry & Wildlife	Dissertation Work	1 st February to 31 st May 2021



22. Research Work carried out and publications

18	Ms. Lipakshi Bhatt	Amity Institute of Forestry & Wildlife	Dissertation Work	1 st February to 31 st May 2021
19	Ms. Rshmi Bisht	Starex University	Internship	15 th Feb to 14 th August 2021

Four Veterinary students of Puducherry Vet. University completed their one month internship in National Zoological Park, New Delhi. They were involved in analysing the data of treatments and results of medical interventions in particular. More interfaces with Vet colleges and universities will help us to improve the health and nutrition of the animals.



Veterinary Interns with Director, National Zoological Park



23.

Conservation Breeding Programme

CZA has identified about 70 endangered species for conservation breeding. It was felt that Indian Zoo should have at least 100 properly and scientifically bred individuals of each endangered species in captivity, to act as an insurance cover in case of population loss of species in wild.

In order to achieve above objectives, CZA has identified coordinating and participating zoos in India. They have been asked to construct appropriate enclosures for targeted species. National Zoological Park, New Delhi has successfully bred number of endangered animals and birds.



At present, This Park is participating zoo for the conservation breeding for the following species:

- a) Asiatic Lion
- b) Indian Rhinoceros
- c) Sangai Deer
- d) Red Jungle Fowl
- e) Bengal Tiger

Tigress Barkha

On 27th December 2020, Sh. Babul Supriyo, Hon'ble Union Minister of State for Environment, Forest and Climate Change

(MoEF&CC) released a Tigress named 'Barkha' in its enclosure at the National Zoological Park after its quarantine period was completed. This tigress was brought from Kanpur zoo under the conservation breeding program of Bengal Tiger in National Zoological Park, New Delhi.



24.

Animal acquisition/transfer/exchange during the year

Five times veterinarians have engaged in bringing the animals from the below listed zoo. The longest tour was bringing the Sloth Bear from Kanan Pindari Zoo travelling 2500 km (To and fro). Besides that we also helped in loading and transportation to give animals to other zoo like Rohtak zoo, Gorakhpur Zoo and Chattbir Zoo.

We went twice to Chattbir Zoo to bring animals and birds. One female Bengal Tiger has been brought from Kanpur Zoo. Two Striped Hyena has been brought from Jaipur Zoo.

Besides this we have donated Five sambar deers, two bonnet macaque and two Foxes for newly made Gorakhpur Zoo. A team of Officials and veterinarian from Gorakhpur Zoo came to NZP to take these animals

S.No.	H. No.	SPECIES NAME	RECEIVED NUMBER				RECEIVED FROM	Date of arrival in the zoo
			M	F	U	T		
1	17	Wild Boar (<i>Sus scrofa</i>)	2	3	0	5	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
2	12	Comb Duck (Sarkidiornis)	5	5	0	10	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
3	19	Black Partridge/ Francolin (<i>Francolinus francolinus</i>)	1	1	0	2	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
4	19	Grey Partridge/ Francolin (<i>Francolinus pondicerianus</i>)	1	1	0	2	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
5	11	Collared Dove (Streptopelia decaocto)	5	5	0	10	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
6	03	Jungle Cat (<i>Felis chaus</i>)	0	1	0	1	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
7	20	Ring-necked Pheasant (<i>Phasianus colchicus</i>)	1	1	0	2	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	29-Oct-20
8	05	Bengal Tiger (<i>Panthera tigris</i>)	0	1	0	1	Gandhi Zoological Park, Municipal Corporation, Gwalior, M.P.	18-Nov-20
9	16	Hyaena Stripped (<i>Hyaena hyaena</i>)	0	2	0	2	Nahargarh Biological Park, Jaipur, Rajasthan.	28-Feb-21
10	04	Bear Sloth (<i>Melursus ursinus</i>)	1	0	0	1	Kanan Pindari Zoological Garden, Bilaspur, Chhattisgarh	25-Mar-21



24. Animal acquisition/transfer/exchange during the year



S.No.	H. No.	SPECIES NAME	DISPOSAL NUMBER				SENT TO	Date of departure from the zoo
			M	F	U	T		
1	03	Bengal Fox (<i>Vulpes bengalensis</i>)	1	1	0	2	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	27-Oct-20
2	03	Jungle Cat (<i>Felis chaus</i>)	1	0	0	1	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	27-Oct-20
3	19	Silver Pheasant (<i>Lophura nycthemera</i>)	1	1	0	2	Mahendra Chaudhry Zoological Park, Chhatbir,	27-Oct-20



24. Animal acquisition/transfer/exchange during the year

							Punjab	
4	03	Civet Common Palm - Cat Toddy (<i>Paradoxurus hermaphroditus</i>)	2	2	0	4	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	27-Oct-20
5	17	Black Buck (Albino) (<i>Antilope cervicapra</i>)	2	3	0	5	Mahendra Chaudhry Zoological Park, Chhatbir, Punjab	27-Oct-20
6	17	Blackbuck Albino (<i>Antilope cervicapra</i>)	3	3	0	6	Shaheed Asfaq Ullah Khan Zoological Park, Gorakhpur, U.P.	10-Mar-21
7	03	Fox Common (<i>Vulpes bengalensis</i>)	1	1	0	2	Shaheed Asfaq Ullah Khan Zoological Park, Gorakhpur, U.P.	10-Mar-21
8	01 & 15	Bonnet macaque (<i>Macaca radiata</i>)	1	1	0	2	Shaheed Asfaq Ullah Khan Zoological Park, Gorakhpur, U.P.	10-Mar-21
9	02	Sambar deer (<i>Rusa unicolor</i>)	2	2	0	4	Shaheed Asfaq Ullah Khan Zoological Park, Gorakhpur, U.P.	10-Mar-21
10	14	Goral (<i>Naemorhaedus goral</i>)	1	1	0	2	Kanan Pendari Zoological Garden, Bilaspur, Chhattisgarh	19-Mar-21



25.

Rescue and Rehabilitation of wild animals carried out by the Zoo

* Zoo veterinarians helped Delhi Forest Department and provided them veterinary treatment to the injured rescued animals like birds and blue bulls. We also helped Delhi Forest Department in addressing rescued animals like blue bulls, birds, mitigating man animal conflict. Zoo vets provided technical inputs to Delhi Forest Department in establishing the rescue centre at Okhla Bird Sanctuary. One of the intern who completed internship at Delhi zoo has joined Delhi Forest Department as a veterinarian.

This year also a team from NZP including our zoo vet. and paravet. went to Republic day and PM rally camp along with the Tranquilizing equipments to assist Defence Ministry.

We also provided Technical inputs to the Defence Ministry at PM residence and President House in addressing Avian Influenza in wild birds and death of wild animals especially stray Monkeys

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



26.

Annual Inventory

NATIONAL ZOOLOGICAL PARK NEW DELHI

Opening Stock	Birth Total	Acquisition Total	Disposal Total	Death Total	Closing Total
1005	275	36	30	124	1162

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
Endangered Species (Schedule I and II)									
1	Bird	Hornbill Common Grey	<i>Ocyrceros birostris</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
2	Bird	Hornbill Great Indian	<i>Buceros bicornis</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
3	Bird	Peafowl	<i>Pavo cristatus</i>	2 1 0 3	0 0 0	0 0 0	0 0 0	0 0 0	2 1 0 3
4	Bird	Peafowl White	<i>Pavo cristatus</i>	1 1 0 2	0 0 0	0 0 0	0 0 0	0 0 0	0 2 0 2
5	Bird	Pheasant Kalij	<i>Lophura leucomelanos</i>	6 7 0 13	0 0 2	0 0 0	0 0 0	1 2 0	6 6 0 12
6	Bird	Spoonbill White	<i>Platalea leucorodia</i>	0 0 4 4	0 0 0	0 0 0	0 0 0	0 1 0	0 0 3 3
7	Bird	Vulture Scavenger / Egyptian	<i>Neophron percnopterus</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
8	Mammal	Antelope Four Horned (Chowsingha)	<i>Tetracerus quadricornis</i>	1 1 0 2	0 0 0	0 0 0	0 0 0	0 0 0	1 1 0 2
9	Mammal	Bear Himalayan Black	<i>Ursus thibetanus</i>	1 4 0 5	0 0 0	0 0 0	0 0 0	0 0 0	1 4 0 5
10	Mammal	Bear Sloth	<i>Melursus ursinus</i>	0 1 0 1	0 0 0	1 0 0	0 0 0	0 0 0	1 1 0 2
11	Mammal	Black Buck (Krishna Mrig)	<i>Antelope cervicapra</i>	11 42 14 67	0 0 30	0 0 0	0 0 0	4 6 2	18 45 22 85
12	Mammal	Black Buck (Albino)	<i>Antelope cervicapra</i>	32 13 11 56	0 0 30	0 0 0	5 6 0	7 4 0	31 27 6 64

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
13	Mammal	Cat Jungle	<i>Felis chaus</i>	2 0 0 2	0 0 0	0 1 0	1 0 0	0 0 0	1 1 0 2
14	Mammal	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	8 7 11 26	0 0 4	0 0 0	2 2 0	2 3 0	4 2 15 21
15	Mammal	Civet Indian Small	<i>Viverricula indica</i>	0 0 3 3	0 0 0	0 0 0	0 0 0	0 0 0	0 0 3 3
16	Mammal	Deer Brow-antlered (Sangai)	<i>Rucervus eldi</i>	25 30 10 65	0 0 20	0 0 0	0 0 0	1 4 0	29 31 20 80
17	Mammal	Deer Hog	<i>Axis porcinus</i>	7 15 2 24	0 0 9	0 0 0	0 0 0	3 1 0	7 16 6 29
18	Mammal	Deer Swamp (Barasingha)	<i>Rucervus duvauceli</i>	4 10 2 16	0 0 0	0 0 0	0 0 0	0 1 0	4 11 0 15
19	Mammal	Elephant Indian	<i>Elephas maximus</i>	1 1 0 2	0 0 0	0 0 0	0 0 0	0 0 0	1 1 0 2
20	Mammal	Fox Common	<i>Vulpes bengalensis</i>	0 0 17 17	0 0 6	0 0 0	2 2 0	0 0 0	2 2 15 19
21	Mammal	Gaur (Indian Bison)	<i>Bos gaurus</i>	2 5 0 7	0 1 0	0 0 0	0 0 0	0 0 0	2 6 0 8
22	Mammal	Jackal	<i>Canis aureus</i>	4 3 4 11	0 0 7	0 0 0	0 0 0	1 1 0	4 2 10 16
23	Mammal	Langur Common	<i>Presbytis entellus / Sennopithecus entellus</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
24	Mammal	Leopard (Panther)	<i>Panthera pardus</i>	2 2 0 4	0 0 0	0 0 0	0 0 0	0 0 0	2 2 0 4
25	Mammal	Lion Indian	<i>Panthera leo persica</i>	2 2 0 4	0 0 0	0 0 0	0 0 0	0 1 0	2 1 0 3
26	Mammal	Macaque Bonnet	<i>Macaca radiata</i>	6 4 0 10	0 0 0	0 0 0	1 1 0	0 0 0	5 3 0 8
27	Mammal	Macaque Lion-tailed	<i>Macaca silenus</i>	4 1 0 5	0 0 0	0 0 0	0 0 0	0 0 0	4 1 0 5
28	Mammal	Macaque Rhesus	<i>Macaca mulatta</i>	3 1 0 4	0 0 0	0 0 0	0 0 0	0 0 0	3 1 0 4
29	Mammal	Rhinoceros Indian One Horned	<i>Rhinoceros unicornis</i>	0 2 0 2	0 0 0	0 0 0	0 0 0	0 0 0	0 2 0 2



26. Annual Inventory

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
30	Mammal	Tiger	<i>Panthera tigris tigris</i>	2 0 0 2	0 0 0	0 1 0	0 0 0	1 0 0	1 1 0 2
31	Mammal	Tiger (White)	<i>Panthera tigris tigris</i>	3 4 0 7	0 0 0	0 0 0	0 0 0	0 2 0	3 2 0 5
32	Mammal	Wolf Indian	<i>Canis lupus pallipes</i>	2 3 0 5	0 0 0	0 0 0	0 0 0	1 0 0	1 3 0 4
33	Reptile	Cobra Indian	<i>Naja naja</i>	2 2 1 5	0 0 0	0 0 0	0 0 0	0 1 0	2 1 1 4
34	Reptile	Crocodile Long Snouted (Gharial)	<i>Gavialis gangeticus</i>	2 2 0 4	0 0 0	0 0 0	0 0 0	0 1 0	2 1 0 3
35	Reptile	Crocodile Marsh (Muggler)	<i>Crocodylus palustris</i>	0 0 3 3	0 0 0	0 0 0	0 0 0	0 0 0	1 0 2 3
36	Reptile	Monitor Lizard Large Bengal	<i>Varanus bengalensis</i>	1 1 1 3	0 0 0	0 0 0	0 0 0	0 0 0	1 1 1 3
37	Reptile	Python Indian - Rock	<i>Python molurus</i>	3 2 3 8	0 0 9	0 0 0	0 0 0	1 1 0	2 2 11 15
38	Reptile	Snake Checkered Keelback	<i>Xenochrophis piscator</i>	0 0 2 2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 2 2
39	Reptile	Snake Rat / Dhaman	<i>Pytyas mucosus</i>	2 2 1 5	0 0 0	0 0 0	0 0 0	0 0 0	2 2 1 5
Total of Endangered Species				145 169 89 403	0 1 117	1 2 0	11 11 0	22 29 2	149 182 118 449

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
40	Bird	Dove Collered	<i>Streptopelia decacto</i>	0 0 0 0	0 0 0	5 5 0	0 0 0	0 0 0	5 5 0 10
41	Bird	Duck Comb	<i>Sarkidornis</i>	0 0 0 0	0 0 0	5 5 0	0 0 0	0 0 0	5 5 0 10
42	Bird	Heron Grey	<i>Ardea cinerea</i>	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1 1
43	Bird	Ibis White	<i>Threskiornis melanocephalus</i>	0 0 13 13	0 0 6	0 0 0	0 0 0	0 1 0	2 2 14 18
44	Bird	Junglefowl Red	<i>Gallus gallus</i>	5 8 0 13	0 0 8	0 0 0	0 0 0	1 4 1	4 7 4 15
45	Bird	Kite Brahminy	<i>Haliastur indus</i>	0 0 5 5	0 0 0	0 0 0	0 0 0	0 0 0	0 0 5 5
46	Bird	Kite Black	<i>Milvus migrans</i>	0 0 2 2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 2 2
47	Bird	Munia Spotted / Scaly-breasted	<i>Lonchura punctulata</i>	0 0 12 12	0 0 0	0 0 0	0 0 0	1 0 0	0 0 11 11
48	Bird	Owl Barn	<i>Tyto alba</i>	0 0 8 8	0 0 0	0 0 0	0 0 0	0 1 0	0 0 7 7
49	Bird	Owl Brown Fish	<i>Ketupa zeylonensis</i>	0 0 4 4	0 0 0	0 0 0	0 0 0	1 0 1	0 0 2 2
50	Bird	Owl Indian Greater Horned	<i>Bubo virginianus</i>	0 0 4 4	0 0 0	0 0 0	0 0 0	0 1 0	2 1 0 3
51	Bird	Parakeet (Colour Mutation)	<i>Psittacula sp.</i>	0 0 10 10	0 0 1	0 0 0	0 0 0	3 1 0	4 2 1 7
52	Bird	Parakeet Alexandrine	<i>Psittacula eupatria</i>	21 4 5 30	0 0 0	0 0 0	0 0 0	2 2 0	23 3 0 26
53	Bird	Parakeet Rose-ringed	<i>Psittacula krameri</i>	21 13 6 40	0 0 2	0 0 0	0 0 0	5 0 0	16 19 2 37
54	Bird	Partridge / Francolin Black	<i>Francolinus francolinus</i>	0 0 1 1	0 0 0	1 1 0	0 0 0	0 0 0	2 1 0 3
55	Bird	Partridge / Francolin Grey	<i>Francolinus pondicerianus</i>	0 0 0 0	0 0 0	1 1 0	0 0 0	0 0 0	1 1 0 2
56	Bird	Pelican Great White	<i>Pelecanus onocrotalus</i>	0 0 5 5	0 0 0	0 0 0	0 0 0	0 0 0	0 0 5 5



26. Annual Inventory

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
57	Bird	Stork Painted	<i>Mycteria leucocephala</i>	0 0 77 77	0 0 19	0 0 0	0 0 0	2 0 1	5 5 83 93
58	Mammal	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	26 50 10 86	0 0 39	0 0 0	0 0 0	5 4 3	40 68 5 113
59	Mammal	Deer Sambar	<i>Rusa unicolor</i>	3 14 13 30	0 0 11	0 0 0	2 2 0	0 0 0	10 22 5 37
60	Mammal	Deer Spotted (Chital)	<i>Rusa unicolor</i>	8 16 16 40	0 0 10	0 0 0	0 0 0	2 2 0	16 25 5 46
61	Mammal	Goral	<i>Naemorhaedus goral</i>	7 10 2 19	2 0 2	0 0 0	1 1 0	3 1 0	5 12 0 17
62	Mammal	Hyaena Stripped	<i>Hyaena hyaena</i>	1 0 0 1	0 0 0	0 2 0	0 0 0	0 0 0	1 2 0 3
63	Mammal	Nilgai - Blue Bull	<i>Boselaphus tragocamelus</i>	15 20 2 37	0 0 11	0 0 0	0 0 0	0 4 0	15 16 13 44
64	Mammal	Porcupine Indian	<i>Hystrix indica</i>	0 0 5 5	0 0 0	0 0 0	0 0 0	0 0 0	2 3 0 5
65	Mammal	Wild Boar	<i>Sus scrofa</i>	0 0 0 0	0 0 0	2 3 0	0 0 0	0 0 0	2 3 0 5
66	Reptile	Snake Diadem / Royal	<i>Spalerosophis diadema</i>	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1 1
67	Reptile	Sand Boa Common / Rough Scaled	<i>Gongylophis conicus</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
68	Reptile	Boa Johns / Brown Sand Boa	<i>Eryx johini</i>	1 1 0 2	0 0 0	0 0 0	0 0 0	0 0 0	1 1 0 2
Total of Species (Sch III and IV)				109 136 202 447	2 0 109	14 17 0	3 3 0	25 21 6	162 203 166 531

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
69	Bird	Budgeriger	<i>Melopsittacus undulatus</i>	0 0 16 16	0 0 3	0 0 0	0 0 0	2 1 0	2 2 12 16
70	Bird	Cockatiel	<i>Nymphicus hollandicus</i>	0 0 18 18	0 0 8	0 0 0	0 0 0	0 0 0	3 3 20 26
71	Bird	Cockatoo Bare Eyed / Little Corella	<i>Cacatua sanguinea</i>	0 0 3 3	0 0 0	0 0 0	0 0 0	0 0 0	0 0 3 3
72	Bird	Emu Common	<i>Dromaius novaehollandiae</i>	0 0 23 23	0 0 0	0 0 0	0 0 0	0 0 0	0 0 23 23
73	Bird	Finch Zebra Australian	<i>Taeniopygia castanotis</i>	0 0 10 10	0 0 20	0 0 0	0 0 0	0 0 0	5 5 20 30
74	Bird	Macaw Blue & Yellow	<i>Ara ararauna</i>	0 0 12 12	0 0 1	0 0 0	0 0 0	0 0 0	2 2 9 13
75	Bird	Macaw Military	<i>Ara militaris</i>	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1 1
76	Bird	Parakeet Sun	<i>Aratinga solstitialis</i>	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1 1
77	Bird	Parrot Grey	<i>Psittacus erithacus</i>	0 0 2 2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 2 2
78	Bird	Pheasant Edwards,s / Vietnam	<i>Lophura edwardsi</i>	3 0 0 3	0 0 0	0 0 0	0 0 0	1 0 0	2 0 0 2
79	Bird	Pheasant Golden	<i>Chrysolophus pictus</i>	2 7 0 9	0 0 0	0 0 0	0 0 0	0 0 0	2 7 0 9
80	Bird	Pheasant Lady Amherst,s	<i>Chrysolophus amherstiae</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
81	Bird	Pheasant Silver	<i>Lophura nycthemera</i>	11 18 0 29	0 0 14	0 0 0	1 1 0	2 5 4	12 18 0 30
82	Bird	Pheasant Ring-necked	<i>Phasianus colchicus</i>	0 0 0 0	0 0 0	1 1 0	0 0 0	0 0 0	1 1 0 2
83	Bird	Rhea Greater	<i>Rhea americana</i>	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0 1
84	Bird	Swan Black	<i>Cygnus atratus</i>	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1 1
85	Mammal	Baboon Hamadryas	<i>Papio hamadryas</i>	1 3 1 5	0 0 0	0 0 0	0 0 0	0 2 0	1 2 0 3



26. Annual Inventory

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK AS ON 01.04.2020	BIRTHS	ACQUISITIONS	DISPOSALS	DEATHS	CLOSING STOCK AS ON 31.03.2021
				M F U T	M F U	M F U	M F U	M F U	M F U T
86	Mammal	Deer Sika	<i>Cervus nippon</i>	1 2 0 3	0 0 0	0 0 0	0 0 0	1 0 0	0 2 0 2
87	Mammal	Elephant African	<i>Loxodonta africana</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
88	Mammal	Hippopotamus	<i>Hippopotamus amphibius</i>	5 2 1 8	0 0 0	0 0 0	0 0 0	0 0 0	6 2 0 8
89	Mammal	Jaguar	<i>Panthera onca</i>	2 1 0 3	0 0 0	0 0 0	0 0 0	0 0 0	2 1 0 3
90	Mammal	Loris Slow Pygmy	<i>Nycticebus pygmaeus</i>	1 0 0 1	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 1
91	Reptile	Crocodile Siamese	<i>Crocodylus siamensis</i>	0 0 2 2	0 0 0	0 0 0	0 0 0	0 0 0	1 1 0 2
92	Reptile	Red-Eared Slider Turtle /Common Slider	<i>Trachemys scripta</i>	0 0 2 2	0 0 0	0 0 0	0 0 0	0 1 0	0 0 1 1
Total of Exotic Species				28 33 94 155	0 0 46	1 1 0	1 1 0	6 9 4	42 47 93 182
Grand Total				282 338 385 1005	2 1 272	16 20 0	15 15 0	53 59 12	353 432 377 1162

End of Report



27.

Mortality of animals (Quarter wise 01st April to 31st March)

In total 124 inventoried animals died from 1st April, 2020 to 31st March 2021. The detailed list of animals with cause of death is given below. Among the death of these animals, lioness Akhila and tigress Nirbhaya also departed due to health complications this year.

Akhila lioness was born in 2009 at NZP with hind quarter paraplegia and she cannot walk properly since the age of six months. Lot of care and treatment has been taken by the staff of NZP, unfortunately "Akhila" succumbed to her disease.

Nirbhaya was also a zoo born on 2015. She died of post surgical complication of cesarean operation after one of cubs inflated in her abdominal cavity. She gave birth of two cubs. Both couldn't survive.

Mortality of animals (Quarter wise 01st April to 31st March)

1 st April- 31 st June, 2020	1 st July-31 st August 2020	1 st September-31 st December, 2020	1 st January-31 st March, 2021
35 nos. of death	32 nos. of death	29 nos. of death	28 nos. of death

Sr. No.	ANIMAL NAME	SCIENTIFIC NAME	SEX	DATE OF DEATH	REASON OF DEATH
1	Junglefowl Red	<i>Gallus gallus</i>	F	03-Apr-20	SENILITY
2	Pheasant Kalij	<i>Lophura leucomelanos</i>	F	05-Apr-20	TRAUMATIC SHOCK
3	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	F	07-Apr-20	SHOCK/ RENAL FAILURE
4	Tiger (White) -"KALPNA"	<i>Panthera tigris tigris</i>	F	23-Apr-20	RENAL FAILURE
5	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	M	24-Apr-20	TRAUMATIC SHOCK
6	Crocodile Long Snouted (Gharial)	<i>Gavialis gangeticus</i>	F	26-Apr-20	PUTRIFIED CARCASS
7	Parakeet (Colour Mutation)	<i>Psittacula sp.</i>	M	01-May-20	TRAUMATIC SHOCK
8	Budgeriger	<i>Melopsittacus undulatus</i>	F	01-May-20	SHOCK
9	Deer Hog	<i>Axis porcinus</i>	M	03-May-20	PLEURISY
10	Nilgai - Blue Bull	<i>Boselaphus tragocamelus</i>	F	03-May-20	SHOCK
11	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	F	04-May-20	SHOCK/ INJURY
12	Parakeet Rose-ringed	<i>Psittacula krameri</i>	M	11-May-20	SHOCK/ INJURY
13	Deer Sika	<i>Cervus nippon</i>	M	13-May-20	SENILITY
14	Parakeet Rose-ringed	<i>Psittacula krameri</i>	M	17-May-20	RESPIRATORY SYSTEM FAILURE



27. Mortality of animals (Quarter wise 01st April to 31st March)

15	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	M	18-May-20	FAILURE OF DIGESTIVE, RESPIRATORY & URINARY SYSTEM
16	Deer Hog	<i>Axis porcinus</i>	M	18-May-20	TRAUMATIC SHOCK
17	Pheasant Kalij	<i>Lophura leucomelanos</i>	M	28-May-20	SENILITY / ENTERITIS
18	Parakeet Alexandrine	<i>Parakeet Alexandrine</i>	M	29-May-20	SHOCK / FPS
19	Pheasant Silver	<i>Lophura nycthemera</i>	M	01-Jun-20	ENTERITIS
20	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	03-Jun-20	RENAL FAILURE / SENILITY
21	Pheasant Silver	<i>Lophura nycthemera</i>	F	06-Jun-20	ENTERITIS
22	Pheasant Silver	<i>Lophura nycthemera</i>	F	07-Jun-20	ENTERITIS
23	Deer Hog	<i>Axis porcinus</i>	M	15-Jun-20	SENILITY
24	Parakeet Rose-ringed	<i>Psittacula krameri</i>	M	15-Jun-20	SUSPECTED CASE OF PREDATION
25	Parakeet Rose-ringed	<i>Psittacula krameri</i>	M	16-Jun-20	SUSPECTED CASE OF PREDATION
26	Parakeet (Colour Mutation)	<i>Psittacula sp.</i>	F	16-Jun-20	SUSPECTED CASE OF PREDATION
27	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	M	17-Jun-20	RENAL FAILURE
28	Junglefowl Red	<i>Gallus gallus</i>	M	19-Jun-20	SENILITY
29	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	M	20-Jun-20	SENILITY
30	Parakeet Alexandrine	<i>Psittacula eupatria</i>	F	20-Jun-20	ENTERITIS
31	Parakeet (Colour Mutation)	<i>Psittacula sp.</i>	M	21-Jun-20	SUSPECTED CASE OF PREDATION
32	Stork Painted	<i>Mycteria leucocephala</i>	M	23-Jun-20	ENTERITIS
33	Munia Spotted / Scaly-breasted	<i>Lonchura punctulata</i>	M	24-Jun-20	ENTERITIS
34	Black Buck (Albino)	<i>Antilope cervicapra</i>	F	28-Jun-20	SENILITY / MULTIPLE ORGAN FAILURE
35	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	30-Jun-20	CARDIORESPIRATORY FAILURE
36	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	07-Jul-20	PLEURISY / PNEUMONITIS
37	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	M	08-Jul-20	TRAUMATIC SHOCK / CARDIAC FAILURE
38	Deer Hog	<i>Axis porcinus</i>	F	13-Jul-20	SENILITY
39	Stork Painted	<i>Mycteria leucocephala</i>	M	14-Jul-20	TRAUMATIC SHOCK
40	Budgeriger	<i>Melopsittacus undulatus</i>	M	18-Jul-20	ENTERITIS / SENILITY
41	Junglefowl Red	<i>Gallus gallus</i>	F	20-Jul-20	TRAUMATIC SHOCK



27. Mortality of animals (Quarter wise 01st April to 31st March)

42	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	F	23-Jul-20	ACUTE RESPIRATORY FAILURE
43	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	30-Jul-20	SENILITY
44	Goral	<i>Naemorhaedus goral</i>	M	31-Jul-20	TRAUMATIC SHOCK: CARDIAC FAILURE
45	Deer Brow-antlered (Sangai)	<i>Rucervus eldi</i>	F	02-Aug-20	TRAUMATIC SHOCK
46	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	03-Aug-20	SHOCK, MYOPATHY
47	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	M	03-Aug-20	RENAL FAILURE
48	Pheasant Silver	<i>Lophura nycthemera</i>	M	07-Aug-20	SHOCK
49	Goral	<i>Naemorhaedus goral</i>	M	08-Aug-20	RENAL FAILURE, SENILITY
50	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	10-Aug-20	TRAUMATIC SHOCK
51	Deer Spotted (Chital)	<i>Axis axis</i>	M	10-Aug-20	STRESS AND SHOCK
52	Goral	<i>Naemorhaedus goral</i>	M	12-Aug-20	ENTERITIS AND SHOCK
53	Pheasant Silver	<i>Lophura nycthemera</i>	M	17-Aug-20	ENTERITIS
54	Pheasant Silver	<i>Lophura nycthemera</i>	F	17-Aug-20	ENTERITIS
55	Deer Spotted (Chital)	<i>Axis axis</i>	F	17-Aug-20	SHOCK, RENAL FAILURE
56	Deer Spotted (Chital)	<i>Axis axis</i>	F	18-Aug-20	CARDIORESPIRATORY FAILURE, SHOCK
57	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	21-Aug-20	SENILITY, ENTERITIS
58	Jungfowl Red	<i>Gallus gallus</i>	F	24-Aug-20	TRAUMATIC SHOCK
59	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	26-Aug-20	TRAUMATIC SHOCK
60	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	28-Aug-20	ENTERITIS, RENAL FAILURE
61	Pheasant Silver	<i>Lophura nycthemera</i>	F	03-Sep-20	CIRROHSIS
62	Pheasant Silver	<i>Lophura nycthemera</i>	F	03-Sep-20	ENTERITIS & SHOCK
63	Baboon Hamadryas	<i>Papio hamadryas</i>	F	08-Sep-20	RENAL FAILURE AND SHOCK
64	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	11-Sep-20	TRAUMATIC RETICULOPERITONITIS
65	Baboon Hamadryas	<i>Papio hamadryas</i>	F	19-Sep-20	ACUTE RESPIRATORY AND KIDNEY FAILURE
66	Nilgai - Blue Bull	<i>Boselaphus tragocamelus</i>	F	21-Sep-20	SHOCK, METRITIS, FOETUS STUCK IN UTERUS
67	Red-Eared Slider Turtle / Common Slider	<i>Trachemys scripta</i>	F	30-Sep-20	PLEURISY, CIRROHSIS
68	Pheasant Silver	<i>Lophura nycthemera</i>	M	04-Oct-20	SENILITY



27. Mortality of animals (Quarter wise 01st April to 31st March)

69	Deer Spotted (Chital)	<i>Axis axis</i>	M	05-Oct-20	SHOCK (CAPTURE MYOPATHY)
70	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	06-Oct-20	HERNIA/SHOCK
71	Lion Indian - "AKHILA"	<i>Panthera leo persica</i>	F	06-Oct-20	ACUTE KIDNEY FAILURE
72	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	F	18-Oct-20	ACUTE CARDIAC SHOCK
73	Wolf Indian	<i>Canis lupus pallipes</i>	M	21-Oct-20	PERITONITIS
74	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	23-Oct-20	FAILURE OF CARDIORESPIRATORY SYSTEM LEADING TO SHOCK
75	Parakeet (Colour Mutation)	<i>Psittacula sp.</i>	M	24-Oct-20	ACUTE ENTERITIS
76	Budgeriger	<i>Melopsittacus undulatus</i>	M	27-Oct-20	ENTERITIS
77	Deer Swamp (Barasingha)	<i>Rucervus duvauceli</i>	F	28-Oct-20	SENILITY, PLEURISY
78	Ibis White	<i>Threskiornis melanocephalus</i>	F	31-Oct-20	ENTERITIS
79	Nilgai - Blue Bull	<i>Boselaphus tragocamelus</i>	F	04-Nov-20	ACUTE CARDIAC SHOCK
80	Parakeet Alexandrine	<i>Psittacula eupatria</i>	M	09-Nov-20	ACUTE TRAUMATIC SHOCK
81	Black Buck (Albino)	<i>Antilope cervicapra</i>	F	16-Nov-20	SENILITY
82	Tiger -"B-2 / BITOO"	<i>Panthera tigris tigris</i>	M	19-Nov-20	CKD/ SENILITY
83	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	20-Nov-20	SENILITY
84	Nilgai - Blue Bull	<i>Boselaphus tragocamelus</i>	F	22-Nov-20	CIRROHSIS/ ACUTE CARDIAC FAILURE
85	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	22-Nov-20	ENTERITIS/ PLEURISY
86	Jackal	<i>Canis aureus</i>	F	29-Nov-20	CIRROHSIS / ACUTE CARDIAC SHOCK
87	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	30-Nov-20	SHOCK (CAPTURE MYOPATHY)
88	Deer Brow-antlered (Sangai)	<i>Rucervus eldi</i>	F	10-Dec-20	STOMITIS/ NEPHRITIS
89	Black Buck (Albino)	<i>Antilope cervicapra</i>	F	12-Dec-20	ENTERITIS
90	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	14-Dec-20	ENTERITIS/ TRAUMATIC SHOCK
91	Tiger (White) - "NIRBHYA"	<i>Panthera tigris tigris</i>	F	14-Dec-20	ACUTE CARDIAC FAILURE
92	Junglefowl Red	<i>Gallus gallus</i>	F	17-Dec-20	ENTERITIS
93	Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	F	22-Dec-20	TRAUMATIC SHOCK
94	Pheasant Edwards,s / Vietnam	<i>Lophura edwardsi</i>	M	22-Dec-20	ENTERITIS/ TRAUMATIC SHOCK



27. Mortality of animals (Quarter wise 01st April to 31st March)

95	Stork Painted	<i>Mycteria leucocephala</i>	M	28-Dec-20	CIRROHSIS/ RESPIRATORY FAILURE
96	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	31-Dec-20	MULTIPLE ORGAN FAILURE
97	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	03-Jan-21	SENILITY
98	Owl Barn	<i>Tyto alba</i>	F	04-Jan-21	PNUMONITIS
99	Owl Brown Fish	<i>Ketupa zeylonensis</i>	M	04-Jan-21	SENILITY (PNUMONITIS)
100	Spoonbill White	<i>Platalea leucorodia</i>	F	05-Jan-21	PNUMONITIS
101	Owl Indian Greater Horned	<i>Bubo virginianus</i>	M	08-Jan-21	ENTERITIS
102	Black Buck (Albino)	<i>Antilope cervicapra</i>	M	10-Jan-21	TRAUMATIC SHOCK
103	Junglefowl Red	<i>Gallus gallus</i>	F	11-Jan-21	ENTERITIS
104	Black Buck (Albino)	<i>Antilope cervicapra</i>	F	12-Jan-21	SENILITY
105	Owl Brown Fish	<i>Ketupa zeylonensis</i>	US	12-Jan-21	AVIAN INFLUENZA POSITIVE (CARCASS SENT TO NISHAD, BHOPAL)
106	Jackal	<i>Canis aureus</i>	M	20-Jan-21	TRAUMATIC SHOCK
107	Deer Brow-antlered (Sangai)	<i>Rucervus eldi</i>	F	27-Jan-21	TRAUMATIC SHOCK
108	Deer Brow-antlered (Sangai)	<i>Rucervus eldi</i>	M	03-Feb-21	TRAUMATIC SHOCK
109	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	F	06-Feb-21	SENILITY
110	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	M	09-Feb-21	PNUMONITIS
111	Pheasant Silver	<i>Lophura nycthemera</i>	F	12-Feb-21	ENTERITIS
112	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	F	14-Feb-21	RESPIRATORY FAILURE
113	Goral	<i>Naemorhaedus goral</i>	F	17-Feb-21	SENILITY
114	Python Indian - Rock (Baby)	<i>Python molurus</i>	F	26-Feb-21	PNUMONITIS
115	Parakeet Rose-ringed	<i>Psittacula krameri</i>	F	03-Mar-21	TRAUMATIC SHOCK (PREDATION)
116	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	M	11-Mar-21	TRAUMATIC SHOCK
117	Cobra Indian	<i>Naja naja</i>	F	13-Mar-21	PNUMONITIS
118	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	F	14-Mar-21	PNUMONITIS
119	Parakeet Alexandrine	<i>Psittacula eupatria</i>	F	16-Mar-21	ENTERITIS
120	Pheasant Kalij	<i>Lophura leucomelanos</i>	F	18-Mar-21	TRAUMATIC SHOCK
121	Python Indian - Rock	<i>Python molurus</i>	M	18-Mar-21	PNUMONITIS



27. Mortality of animals (Quarter wise 01st April to 31st March)

122	Pheasant Silver	<i>Lophura nycthemera</i>	F	24-Mar-21	EGG BOUND CONDITION
123	Civet Common Palm - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	F	30-Mar-21	CIRRHOSIS
124	Deer Brow-antlered (Sangai)	<i>Rucervus eldii</i>	F	30-Mar-21	TRAUMATIC SHOCK



28.

Status of the Compliance with conditions stipulated by the Central Zoo Authority

S. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1.		Compliance is being made			



29.

List of free living wild animals within the zoo premises

Mammals:

1. Common Palm Civet
2. Small Indian Civet
3. Indian Crested porcupine
4. Grey Mongoose
5. Small Indian Mongoose
6. Five Stripped Palm Squirrel
7. Bats
8. Flying Fox

Reptiles:

1. Cobra
2. Rat Snake
3. Common Krait
4. Monitor Lizard



29. List of free living wild animals within the zoo premises

Birds:

Pintail Duck	Migratory, winter visitor and common in all ponds
Spot-bill or Grey Duck	Resident and common Breeds in zoo ponds during summer.
Shoveller	Migratory, winter visitor, common in all ponds of zoo
Comb Duck	Resident and common winter visitor
Common Teal	Migratory, winter visitor.
White or Rosy pelican	Zoo born, free ranging, fly by & come back.
Little Cormorant	Summer visitor, fairly in good number. Breeds in zoo ponds during April - June
Darter or snake Bird	Fewer in number
Indian Pond Heron or Paddy Bird	Common and breeds during April-July
Night Heron	Common during summer and breeds during March-July
Little Egret	Summer visitor breeds along with herons.
Cattle Egret	Summer visitor common in zoo ponds and breeds with herons
White Ibis	Not very common, Breed during July-September
Painted Stork	Arrives zoo in August-September Breeds in zoo ponds during Sept.-Jan. incubation period about 30 days
Common Pariah	Abundant. Winter visitor Breeds during Nov - April. Incubation period 30 days
Shikra	Resident
Peafowl Indian	Common in zoo



29. List of free living wild animals within the zoo premises

Grey Partridge	Fewer in number
White Breasted water hen	Common in zoo ponds and breeds
Indian Moorhen	Fewer in number
Stone Curlew	Winter visitor, breeds during March-May
Common Sand Piper	Fewer in number
Red Wattled Lapwing	Very common breeds during March- June
Common Green Pigeon	Flocks seen during winter
Blue Rock Pigeon	Very common
Little Brown Dove	Common and breeds during summer
Spotted Dove	Common
Red Turtle Dove	Common
Ring Dove	Common and breeds during summer
Large Indian Parakeet	Common and breeds during summer
Rose Ringed Parakeet	Common and breeds in zoo
Koel	Common during rainy season
Crow Pheasant or Coucal	Fewer in number
Pied-crested cuckoo	Seen during summer
Spotted owlet	Fewer, breeds during winter
Barn Owl	Fewer
Palm Swift	Fewer, usually fly over the pond near office.
Pied King-fisher	Common, seen fishing in the pond & moats.
White Breasted King-fisher	Common, seen fishing in the pond & moats
Common King-fisher	Common, seen fishing in the pond & moats.
Common Green Bee-eater	Resident
Roller or Blue Jay	Commonly seen during summer
Indian Hoopoe	Common and breeds during summer
Blue Throated Barbet	Commonly seen during summer and breeds



29. List of free living wild animals within the zoo premises

	in zoo during March-April.
Crimson breasted barbet	Common during summer and breeds in zoo during March-April.
Yellow-crowned Woodpecker	Common during summer and breeds
Golden-backed Woodpecker	Common during summer and breeds
Jungle Crow	Fewer in number
House Crow	Very common & breeds during winter
Rufous treepie	Resident & common
Common Babbler	Common & resident
Yellow-eyed Babbler	Very common and resident
Jungle Babbler	Common and resident
Redvented Bulbul	Commonly seen during summer & breeds during April-June
White-cheeked Bulbul	Commonly seen during summer & breeds during April-June
Red-whiskered Bulbul	Commonly seen during summer & breeds during April-June
Indian Robin	Common and resident
Magpie Robin	Common and nest during summer.
Bay-backed Shrike	Common and resident nest during April-June
Black Drongo or King Crow	Common and resident nest during April-June
Tailor Bird	Common and breeds during winter
Streaked Fantail warbler	Common and resident.
Ashy Wren Warbler	Common and resident
Brahminy Myna	Common, breeds during summer
Common Myna	Common, breeds during summer.
Baya weaver	Common, Builds nests during summer
White Throated Munia	Fewer and resident
Red Munia or Waxbill	Fewer and resident



29. List of free living wild animals within the zoo premises

Large Pied Wagtail	Common during winter
White Wagtail	Common during winter
Grey Wagtail	Common during winter
Yellow wagtail	Common during winter
Indian white eye	Common
Common Swallow	Winter visitor
Purple Sunbird	Common, nests during March-April
Blue throat	Winter migrant and common









Help Conserve Wildlife



National Zoological Park
New Delhi

-  Canteen
-  Public Conveniences
-  Water Point
-  Direction of Movement
-  Education Centre
-  Hospital
-  First Aid
-  Director Office
-  Range Office
-  Shelter

A number of local and migratory birds find shelter and food, as a result they stay. The notable birds are Ibis, Cattle and Little Egrets, Little Cormorant, Painted Stork, Grey Heron, Kingfisher, Water Hen, Moor Hen, Pintail Duck, Shoveller Duck, Coot, Common Teals.



GUIDE MAP

— NATIONAL ZOOLOGICAL PARK —

vis
USE



Wall with Grill

Wall with Grill

visitors are suggested to
follow the **visitors path**



"The Zoo is
declared as a
**NO PLASTIC
ZONE**"

"Visitors are
not allowed to
carry any
eatables
inside the Zoo
premises"

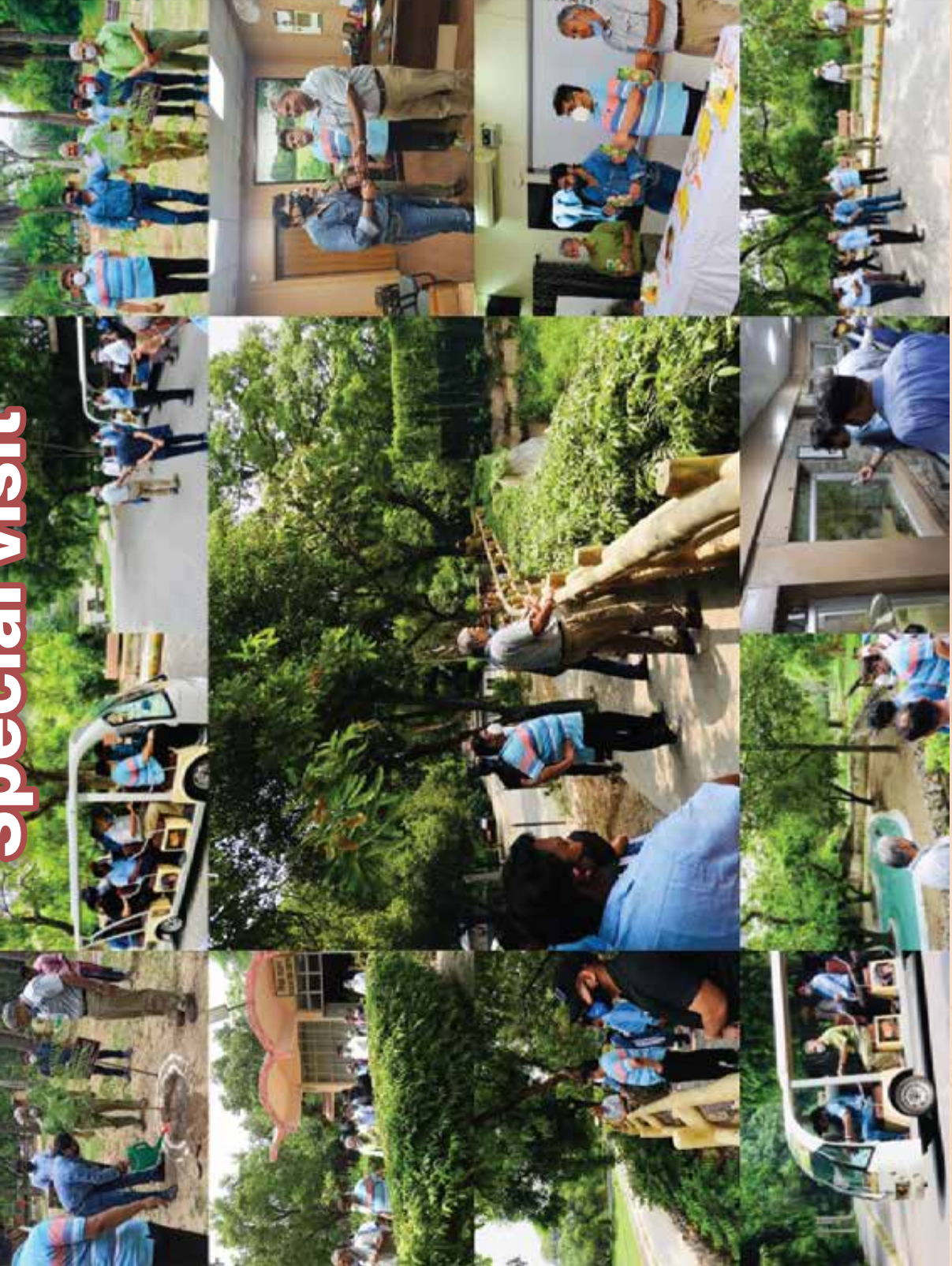
Gandhi Jayanti



Workshop



Special visit



International Rhino Day



Judging of entries



Inauguration of E-newsletter



Hindi Diwas



Foundation day



Expert talk



Enrichment



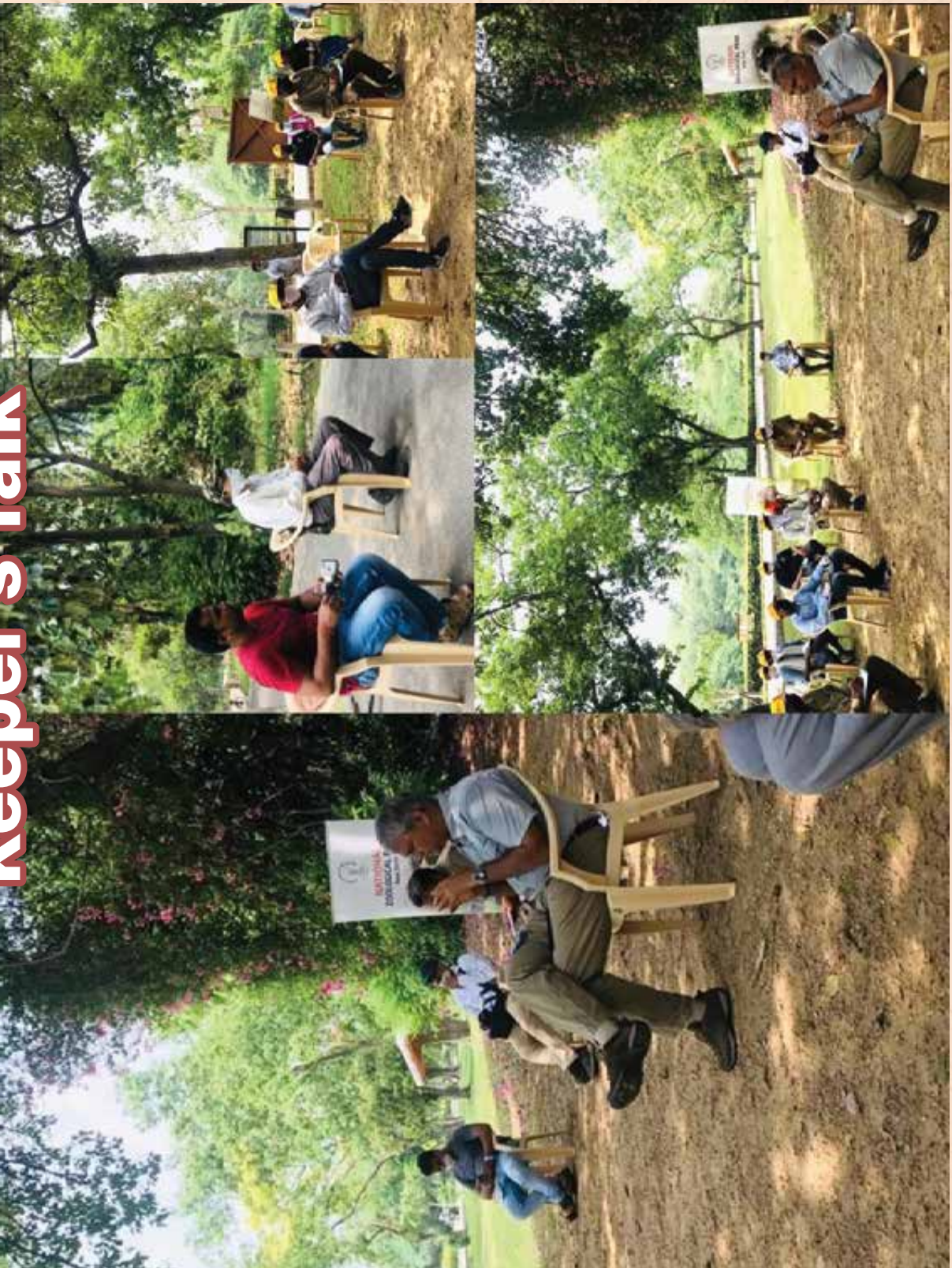
Dustbin Painting



Delhi Street Art



Keeper's Talk



Plantation Drive



Commissary



Security



Sanitation



ANNUAL REPORT 2020-21

NATIONAL ZOOLOGICAL PARK | राष्ट्रीय प्राणी उद्यान

Ministry of Environment, Forest & Climate Change, Government Of India
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार



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