

NANDANAM

Nandankanan Biological Park
NewsLetter

JULY-SEPTEMBER 2023
Vol. 2 (Issue-II)

From the Director's Desk

Greetings to you from Nandankanan family. It gives me great pleasure the second quarterly newsletter of this year. During this quarter the Nandankanan received 7, 70,521 visitors. Two animal exchange programmes implemented to enhance the collection plan. A quarantine facility for Indian Pangolin was established. The Back kraals for small mammals like Ratel and Mouse Deer were constructed. To support the animal health in surrounding areas a Mobile Veterinary Unit was launched. Besides many educational activities continued in this quarter as well like celebration of Van Mahotsav, International Tiger Day, World Elephant Day etc. with events like online quiz, student orientation programs, special feeding enrichments for elephants and a signature campaign. The event highlighted tiger and elephant conservation efforts and involved local students and visitors. A three-day health camp was organized for zoo staff, focusing on zoonotic diseases. The veterinary wing did successful therapeutic management of a rescued elephant calf and a stump-tailed monkey and a spotted deer fawn was rescued and Hand-reared at the zoo as well. New staff members joined the park, including Deputy Range Officer and Forest Range Officers. To oversee new initiatives a Project Management Unit was established. The zoo's outreach program continued, promoting wildlife conservation among students. The support of donors in the form of animal adoption continued during this period also. I hope to share more with you in the next quarter.

Dr Manoj V. Nair, IFS
Director, Nandankanan Biological Park

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About Us

Nandankanan Zoological Park is one of the finest large zoos of India established on 29th December, 1960. The State Botanical Garden with an area of 75 hectares and adjoining two important wetlands Kanjia lake (66 ha.) and Kiakani lake (25 ha) make the Nandankanan an ideal centre for Research, Education, Conservation breeding. The Zoological Park together with Kanjia lake and Botanical Garden has been declared as Nandankanan Wildlife Sanctuary over an area of 4.37 sq.km. (Notified on 3rd August, 1979). The park is under the management of the Government of Odisha, Forest, Environment & Climate Change Department and followings the norms and guidelines laid by Central Zoo Authority, New Delhi, Govt. of India.

Mission

To plan and implement best practices in captive animal welfare and health care, enclosure design and display, aesthetics and visitor amenities, education and outreach, research and conservation, technology and teamwork so as to foster the people-nature connect and transform the zoo to a global leader in ex-situ conservation

Vision

To achieve global standards in all aspects of management become a truly World-class zoo by the next decade, and thereby to significantly contribute in conserving our country's biodiversity.

Glimpse of Important Happenings

Van Mahotsav, 2023

Van Mahotsav is observed in the first week of the month of July as it coincides with 'monsoon'. This week marks the plantation of native trees that would need less care and have more chances of survival and support the birds, insects, and animals. Nandankanan Zoological Park along with Nature & Wildlife Conservation Society of Odisha (NWCSO) celebrated "VAN MAHOTSAV- 2023" programme at Nandankanan Zoological Park on 4th July, 2023 at 09:00 am. The event was graced by the presence of eminent members of Nature & Wildlife Conservation Society of Odisha (NWCSO) namely Sri Saroj Patnaik, IFS (Rtd.), Dr. Sudarsan Panda, IFS (Rtd.), Dr Anup Nayak, IFS (Rtd.) and Sri Sushant Das, Joint Secretary, NWCSO. Other esteemed members present were Sri. Sushil Ku. Popli, IFS, PCCF (WL) & CWLW, Sri Bikas Ranjan Das, DCF Dr. Manoj V. Nair, IFS Director, Nandankanan, Sri Sanath Kumar N., IFS, Deputy Director and other officials and staff of Nandankanan. The plantation programme was inaugurated by Sri Saroj Pattnaik, (IFS) Retd followed by plantation by other dignitaries and members of NWCSO and officials of Nandankanan.



International Tiger Day 2023

International Tiger Day, 2023 was celebrated at Nandankanan Zoological Park on 29th July, 2023 in presence of Sri Sanath Kumar N., (IFS), Deputy Director, Nandankanan Zoological Park. On this occasion online quiz on "Tiger Conservation" were conducted on Nandankanan website i.e. www.nandankanan.org. All the participants will be given e-certificate for their participation. In Nandankanan, four school students about 70 nos were invited to participate in student orientation programme as "One day with tigers of Nandankanan" where all aspects of tiger up keeping will be explained to them by Zoo Volunteers. Miss Samarpita Dash, Bollywood actress also joined the celebration to support the message of tiger conservation. On the spot quiz for students and visitors were conducted in front of Kanan enclosure where prizes were distributed to 50 participants which is highly appreciated by the them. The students and visitors put their



message on tiger conservation in the signature campaign board. The whole programme was showed Facebook live on Nandankanan Facebook Page. All 17 nos of tiger keepers were felicitated in this occasion for their hard and dedicated work. In afternoon, special olfactory enrichments were given to tigers and keepers talk programme was also conducted with special focus to Nandankanan tigers to aware visitor about how keeper take care to tiger in daily routine.

World Elephant Day 2023

World Elephant Day was celebrated at Nandankanan Zoological Park on 12th August, 2023 where elephants of Nandankanan Zoological Park were provided with a special treat of feeding enrichment including coconut, banana, sugarcane, maize, watermelon, and apple. The Mahouts of Nandankanan were felicitated for their dedicated care and management of the zoo elephants. A Signature campaign was observed. In the said programme distinguished guests and visitors have given messages on elephant conservation. On this occasion online slogan and painting competition on elephants were conducted at Nandankanan website i.e., www.nandankanan.org. After the evaluation prizes will be sent to the winners. All the participants will be given e-certificate for their participation. An on-the-spot quiz competition was organized for the visitors based on elephants and their conservation. It was coordinated by the Zoo Volunteers. Keepers talk programme was also conducted with special focus to Nandankanan elephants to aware visitor about how keepers take care of elephant in daily routine.



Visitors During the Quarter (July, 2023-September, 2023)

Nandankanan Zoological Park and State Botanical Garden had received 7, 51,037 visitors and 19,484 visitors respectively between 01st July, 2023 to 30th September, 2023.

PASSIONATE GUARDIANS Animal Adopted During the Quarter (July, 2023-Sep, 2023)

Serial No	Name of the Patron	Details
1.	Zoom Your Traffic Web Solutions Pune, Maharashtra	One no. of Indian porcupine 29-Sep-2023 to 28-Oct-2023
2.	Uma Shanker Hyderabad, Telangana,	One no. of Blue faced lorikeet 09-Sep-2023 to 08-Sep-2024
3.	Uma Shanker Hyderabad, Telangana	One no. of Asian Brown Tortoise 09-Sep-2023 to 08-Sep-2024
4.	Uma Shanker Hyderabad, Telangana	One no. of Indian tent turtle 09-Sep-2023 to 08-Sep-2024
5.	Uma Shanker Hyderabad, Telangana	One no. of Indian star tortoise 09-Sep-2023 to 08-Sep-2024
6.	Jaspreet Kaur Bhandari Ganjam, Berhampur	One no. of King Cobra 08-Sep-2023 to 07-Mar-2024
7.	Prof. Ram Kuntal Hazra Delhi,	One no. of Hippopotamus 28-Aug-2023 to 27-Nov-2023
8.	Utsav Mukherjee Kolkata, West Bengal	One no. of Zebra finch 24-Aug-2023 to 23-Aug-2024
9.	Rashmita nayak Bengaluru, Karnataka	One no. of Binocellate Cobra 24-Aug-2023 to 23-Nov-2023
10.	Sai krishna Hyderabad, Telangana	One no. of Binocellate Cobra 24-Aug-2023 to 23-Sep-2023
11.	Kaushik Pune, Maharashtra	One no. of Russel's viper 21-Aug-2023 to 20-Nov-2023
12.	Venkata Suseela & Vijaya Keerthi West Godavari, Andhra Pradesh	One no. of Binocellate Cobra 21-Aug-2023 to 20-Sep-2023
13.	Deepak Ramesh Joshi Thane, Maharashtra	One no. of African grey parrot 13-Aug-2023 to 12-Sep-2023
14.	Nikitha N Bangalore, Karnataka	One no. of Slender tailed Meerkat 04-Aug-2023 to 03-Sep-2023
15.	Shankarappa S Bangalore, Karnataka	One no. of Brahminy kite 04-Aug-2023 to 03-Sep-2023
16.	Shankarappa S Bangalore, Karnataka	One no. of Barn owl 04-Aug-2023 to 03-Sep-2023
17.	Shankarappa S Bangalore, Karnataka	One no. of King Cobra 04-Aug-2023 to 03-Sep-2023
18.	Eshajit West Bengal	One no. of Bengal Tiger (NCT) 30-Jul-2023 to 29-Aug-2023
19.	Rashmita Nayak Bangalore, Karnataka	One no. of Jungle Cat 29-Jul-2023 to 28-Aug-2023
20.	Amod Ashok Inamdar Pune, Maharashtra	One no. of Indian hare 29-Jul-2023 to 28-Aug-2023
21.	Lakshmi ammal Kancheepuram, Tamilnadu	One no. of Alexandrine parakeet 26-Jul-2023 to 25-Aug-2023
22.	Sriram Sekhar Navi Mumbai, Maharashtra	One no. of King Cobra 23-Jul-2023 to 22-Aug-2023
23.	Venkata Suseela & Vijaya Keerthi Bhimavaram, Andhra Pradesh	One no. of Swamp deer 22-Jul-2023 to 21-Aug-2023
24.	Himanshu Yadav Noida, Uttar Pradesh	One no. of Barn owl 22-Jul-2023 to 21-Aug-2023
25.	Himanshu Yadav Noida, Uttar Pradesh	One no. of Little egret 22-Jul-2023 to 21-Aug-2023
26.	Rashmita Nayak Bangalore, Karnataka	One no. of Common Mongoose 18-Jul-2023 to 17-Aug-2023
27.	Baby Das Gupta Kolkata, West Bengal	One no. of Hill Myna 16-Jul-2023 to 15-Oct-2023
28.	RONAV AGARWAL Cuttack, Odisha	One no. of Large Egret 13-Jul-2023 to 12-Aug-2023
29.	Sudhansu Bangalore, Karnataka	One no. of Common Indian krait 13-Jul-2023 to 12-Aug-2023
30.	Maitreyee Naha Bhubaneswar, Odisha	One no. of Indian tent turtle 10-Jul-2023 to 09-Jul-2024
31.	Sriyadita Das Kolkata, West Bengal	One no. of Cockatiel 08-Jul-2023 to 07-Jul-2024

Superannuating Staffs During the Quarter (July, 2023-Sep, 2023)



Laxmidhar Rout
Watchman
30.09.2023

Nandankanan Family offers their heartfelt gratitude and wishes them a healthy and peaceful post-retirement life.

Officials Joined in the Quarter



Sri Jay Krushna Patnaik
Deputy Range Officer
DOJ-08.08.2023



Sri Nutan Kumar Hembram
Forest Range Officer
DOJ-09.08.2023



Mrs. Minakshi Biswal
Forest Range Officer
DOJ-04.09.2023

Zoo Education Programme during this Quarter

Sl. No.	Date	Programme/Event	No. of Participants
1.	04.07.2023	Van Mahotsav celebration	>100
2.	07.07.2023	Zoo Outreach Programme at Nandankanan High School	140
3.	13.07.2023	Zoo Outreach Programme at Mothers Public School, Bhubaneswar	145
4.	21.07.2023	Zoo Outreach Programme at SAI International School, Bhubaneswar	100
5.	29.07.2023	Celebration of International Tiger Day 2023	>150
6.	29.07.2023	One Day at Nandankanan with students of Nandankanan High School	30
7.	29.07.2023	One Day at Nandankanan with students of Darutheng High School	30
8.	29.07.2023	One Day at Nandankanan with students of Vivekananda Sikhya Kendra	30
9.	29.07.2023	One Day at Nandankanan with students of Jhunjhunwala Bidyapitha	30
10.	04.08.2023	Moth Watching session at State Botanical Garden	15
11.	10.08.2023	Celebration of World Lion Day 2023	>100
12.	12.08.2023	Celebration of World Elephant Day 2023	>150
13.	13.08.2023	Orientation programme of OAS officers trainees from Gopabandhu Academy, Bhubaneswar	127
14.	19.08.2023	Zoo Outreach Programme at Damana High School	120
15.	02.09.2023	Celebration of International Vulture Awareness Day 2023	75
16.	07.09.2023 to 17.09.2023	Programme on Big Cats	>300
17.	08.09.2023	Celebration of World Iguana Day	>50
18.	09.09.2023	Zoo Outreach Programme at Jhunjhunwala Bidyapitha	115
19.	12.09.2023	Moth Watching at Nandankanan Zoological Park	10
20.	12.09.2023	Zoo Outreach Programme at Mundali Nodal High School	125
21.	12.09.2023	Zoo Outreach Programme at Godisahi Govt. High School	110

22.	12.09.2023	Zoo Outreach Programme at Sidheswar Vidyamandir	130
23.	14.09.2023	Zoo Outreach Programme at Utkalmani Govt. High School	300
24.	14.09.2023	Zoo Outreach Programme at Utkalmani Balika Uchhabidyapitha, Kendupatna	120
25.	15.09.2023	Visit programme of B.Sc. Agriculture students from JKBC College of Forestry, Bangalore	25
26.	15.09.2023	Zoo Outreach Programme at Govt High School, Darutheng	155
27.	15.09.2023	Zoo Outreach Programme at Maharananirabar Govt. High School, Chandaka	180
28.	16.09.2023	Visit programme of B.Sc. Agriculture students from JKBC College of Forestry, Bangalore	25
29.	17.09.2023	Visit programme of B.Sc. Agriculture students from JKBC College of Forestry, Bangalore	25
30.	21.09.2023	Visit Programme of SFS trainees from CASFOS, Dehradun	70

Other Events during the quarter

New Entrants to the Zoo Family
Birth recorded in the zoo during this quarter
(July, 2023 to Sep, 2023)

Sl. No.	Date	Species	Number
1.	06.07.2023	Hog Deer	2 U/S
2.	06.07.2023	Blackbuck	1 U/S
3.	06.07.2023	Spotted Deer	2 U/S
4.	01.08.2023	Swamp Deer	1 U/S
5.	19.08.2023	Hog Deer	1 U/S
6.	01.09.2023	Sambar 1 U/S	
7.	05.09.2023	Sambar 1 U/S	
8.	20.09.2023	Hog Deer	1 U/S
9.	20.09.2023	Spotted Deer	2 U/S
10.	20.09.2023	Spotted Deer	2 U/S
11.	21.09.2023	Spotted Deer	3 U/S
12.	21.09.2023	Mugger 10 U/S	
13.	26.09.2023	Spotted Deer	5 U/S
14.	27.09.2023	Spotted Deer	4 U/S
TOTAL			36

New Arrival (July, 2023 to Sep, 2023)

Sl. No.	Date	Species	Number
1.	25.07.2023	Hoolock Gibbon	1:1
2.	25.07.2023	Leopard Cat	1:1
3.	31.08.2023	Red Handed Tamarin	1:1
4.	31.08.2023	Squirrel Monkey	1:1
5.	08.09.2023	Pig Tailed Macaque	1:1
6.	08.09.2023	Himalayan Black Bear	0:1
7.	08.09.2023	Hoolock Gibbon	1:1
8.	22.09.2023	Ostrich	1:3
TOTAL			17

1 pair of Hoolock Gibbon and 1 pair of Leopard Cat were brought from Itanagar Zoo, Arunachal Pradesh on 25th July, 2023.

1 pair of Hoolock Gibbon, 1 pair of Pigtail Macaque and 1 female Himalayan Black Bear were brought from Aizwal Zoo, Mizoram on 8th September, 2023.

Quarantine unit for Indian Pangolin

A new quarantine facility was established within the Pangolin Breeding Centre to accommodate rescued and wild pangolins. The facility is equipped with CCTV cameras for constant monitoring, ensuring the safety and well-being of the animals.



Back kraals for Small mammals.

A small mammal back kraal has been completed to house Ratel, Giant Squirrel, and other small mammals, supporting successful breeding, particularly for Ratel. Additionally, another back kraal was developed to improve the breeding facility for Mouse Deer, as part of Nandankanan Zoo's active participation in its conservation breeding program.



Operationalization of Mobile Veterinary Unit

A Mobile Veterinary Unit was launched on 07.07.2023 to conduct awareness camps, provide treatment, and monitor disease in the forest fringe villages of Nandankanan Wildlife Sanctuary, Chandaka Wildlife Sanctuary, City Forest Division, and Khordha Forest Division. Led by a trained veterinary doctor, the team includes a livestock inspector and assistant. The unit also plays a key role in the rescue and rehabilitation of animals in these areas.



Organization of Health Camp for Zoo Staff

A three-day health camp was organized for all Nandankanan Zoo staff from 18th to 20th July 2023 by the CHC, Mendhasala, with support from CDMO, Khordha. The camp included regular health check-ups and screenings for zoonotic diseases. A total of 199 staff members benefited from this initiative.



Zoo Outreach Programme



The Nandankanan Zoo's Education Wing is deeply committed to its Zoo Outreach Programme, reaching out to schools and colleges to promote wildlife conservation. The programme features engaging classes led by Education Officers, Assistant Education Officers trained Zoo Volunteers, and scholars from Research wing. With two classes held every month, the initiative has successfully conducted programs so far, spreading awareness about the crucial importance of wildlife conservation and inspiring the younger generation to take active roles in protecting nature.

Project Management Unit (PMU)

A dedicated Project Management Unit for implementing new initiatives started functioning from 18th September, 2023.

Engagement of Two Consultants

Two consultants for landscaping, hardscaping and design of selected enclosures at Nandankanan and State Botanical Garden have been on boarded and work is under progress.

Capacity Building

Sri Laxmi Prasad Rath, Biological Data Manager, Nandankanan Zoological Park has attended the Zoo Biologist Workshop held at Sanjay Gandhi Biological Park, Patna, Bihar from 5th to 7th August, 2023 organized by Central Zoo Authority, New Delhi.



Garden in focus

Green House

Green house is a garden designed to house indoor plants, fenced with chain link mesh and completely covered with agro net. Sprinkler, fogger water supply system provides the required humidity. Total Green house is designed in the stepping manner to give visitors a proper view of all the plant. It is spread over an area of 0.18 ha.



Species in focus

Gaur (*Bos gaurus*)

Gaur is a massive brown-black, cow-like animal with a charming set of white socks (legs with white markings), an upturned set of horns and a prominent ridge along its body. This is the largest bovid in peninsular India, and can weigh up to 1500 kilograms. They prefer evergreen and deciduous and moist forest. They are herbivorous and prefer to graze and browse on the upper regions of the plants such as leaf blades, stems and flowers of grass species. Nandankanan housed Gaur since 1970, presently the stock is 7 (3:3:1).



Significant achievements in Veterinary care

1. Therapeutic management of umbilical infection in a rescued elephant calf (*Elephas maximus*)

On 25/06/2023, a one month old male elephant calf was received at Nandankanan Zoological Park rescued from Keonjhar Forest Division in abandoned state. The calf was very weak, having multiple skin abrasions all over the body and the umbilicus was swollen, painful, hot and discharging pus. Pus sample and blood sample were collected for culture sensitivity test, routine haematology and screening against EEHV. Accordingly, antibiotics injections were selected and administered, along with routine cleaning and dressing of the navel. Appropriate treatment, bottle feeding and round the clock intensive care led to improved health condition of the calf. Presently the calf is active and showing progressive increase in body weight.



2. Successful management of dystocia in a stump tailed monkey (*Macaca arctoides*)

On 18-07-2023 morning, an adult female stump tailed monkey was seen with straining and discharges from the vulva. A close physical examination of the external genitalia revealed parts of hind limb visible with reduced fetal fluid. Per-vaginal examination revealed absence of foetal responses, the forelimbs were folded and stuck in the pelvic cavity. The mother monkey was positioned in left lateral recumbency followed by ample lubrication of the birth canal with glycerine. Correction of position and mild traction resulted in successful delivery of a dead fetus. Bleeding was prevented by administering ethamsylate injections, and other supportive medications were administered. The medications followed for five days and it recovered completely.

3. Hand rearing of rescued spotted deer (*Axis axis*)

On 01/09/2023, a male, about fifteen day old spotted deer fawn was received at Nandankanan zoological Park for hand rearing. The fawn was rescued from City Forest Division. It was dehydrated and lethargic at the time of receipt. The fawn was initially stabilized by feeding electrolytes solution, then it was fed with cow milk. It recuperated gradually and got accustomed to bottle feeding. Presently, the fawn is doing well with normal growth and activity.

Kindly send your feedback on

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