



NANDANAM

Nandankanan Biological Park
NewsLetter
JANUARY-MARCH 2025, Vol. 3 (Issue-IV)

From the Director's Desk

Greetings to you from Nandankanan family. It gives me great pleasure the last quarterly newsletter of this year. During this quarter 65th Foundation Day was celebrated with notable dignitaries. Key highlights of the event included the presentation of the park's achievements for 2023-24, with the launch of a short film, "Nandankanan: Towards a World Class Zoo." Several staff and contributors were felicitated for their exceptional service, and new zoo ambassadors were announced. The park also inaugurated significant developments such as: Renovation of Himalayan Black Bear Enclosure-Upgraded to provide a more natural environment with enriched habitats; Centre for Conservation Research and Training - Featuring bio-banking and an advanced zoo laboratory for disease surveillance and genetic research; Zoo Library & Digital Hub - A modernized facility with over 5000 books and a digital library to support research and education; Zoo Security Staff Residential Complex - New accommodation for security personnel to enhance park safety; Bird Quarantine Facility - A new space for quarantining birds to ensure their health and bio-security. Kanjia Wetland Discovery Trail - A 1km educational trail along Kanjia Lake to raise awareness about wetland biodiversity. Several eco days and awareness programs were conducted like World Pangolin Day, World Wetland Day, Save a Spider Day, World Sparrow Day, World Frog Day etc. This quarter Nandankanan received over 55, 85,065 visitors. Integrated summer arrangements were implemented for each animal enclosure to ensure species-specific comfort and well-being during the hot weather. A MoU was signed with LaCONES at CSIR-CCMB, Hyderabad, for collaboration on technical support, research, and training at the Centre for Conservation Research & Training. The Great Backyard Bird Count (GBBC) and March Tree Festival (under Season Watch) was observed to enlist bird diversity and tree phenology respectively at Nandankanan wildlife sanctuary. A total of 71 births were recorded across various species, including notable births also include the chimpanzee, leopard cat, and Himalayan black bear. The State Botanical Garden (SBG) of Nandankanan participated in several flower shows between January and February 2025, winning numerous awards, including. The veterinary wing conducted successful operations and aptly managing the hand rearing of animals. The support of patrons in the form of animal adoption continued during this period also. This period showcases Nandankanan's commitment to conservation, education, and botanical excellence. I hope to share more with you in the next quarter.

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

Editorial Board

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Director, Nandankanan Biological Park

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Deputy Director, Nandankanan Zoological Park

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Block Veterinary Officer, Nandankanan Zoological Park

Dr Rajesh Kumar Mohapatra
Biologist, Nandankanan Zoological Park

Sri Milan Kumar Panda
Education Officer, Nandankanan Zoological Park

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.

Important work progress & Major achievements

65th Foundation Day of Nandankanan Zoological Park

Nandankanan Zoological Park celebrated its 65th Foundation Day on 06th January, 2025. Sri Ganesh Ram Singh Khuntia, the Hon'ble Minister of Forests, Environment and Climate change, Government of Odisha has graced the occasion as the chief guest. Sri Satyabrata Sahu, IAS, Additional Chief Secretary, Forests, Environment and Climate change, Government of Odisha, Sri Debidutta Biswal, IFS, Principal Chief Conservator of Forest & Head of Forest Force, Odisha and Sri Prem Kumar Jha, IFS, Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden, Odisha have also graced the occasion as guest of honour.

Dr Manoj V. Nair, Director, Nandankanan Biological Park welcomed the guests and other invited dignitaries. He presented the progress and management of the park for the financial year 2023-24 in the form of small movie named "Nandankanan: Towards a World Class Zoo". In the said event, 14 staff of Nandankanan who rendered exceptional services during the year were felicitated in 14 categories with certificates and cash prizes.

Further, Best Zoo Ambassador, Best performer under Citizen Science Programme, Best Intern and Best Zoo Volunteer were also felicitated. Two students who secured highest marks in 10th Board examination from Nandankanan Govt. High

School were also awarded. In addition, Hon'ble Minister published the names of Zoo Ambassadors for the year 2025.

A digital documentation showcasing the new inaugural items at Nandankanan has been released by guests fitting to the occasion. The Annual Report for the year 2023-24 and Highlights of Nandankanan were also released on the occasion. In addition, lion cubs and Giraffes were named by the Chief Guest.



Renovated of Himalayan Black Bear Enclosure

The Himalayan Black Bear enclosure has been renovated to create a more natural and enriching environment for the bears. The upgraded habitat includes nature merging landscaping, hidden feeding platforms, and an undulating terrain to resemble the bear's natural surroundings. A large pool with a waterfall and a fallen tree bridge enhances the enclosure's appeal and functionality. Sprinklers along the boundary and foggers concealed in the rocks ensure a refreshing and cool atmosphere. Additionally, the enclosure now includes species-specific enrichment to encourage natural behaviour, promoting the bears' physical and mental well-being while providing visitors a closer glimpse into their lives. The visitor area is provided with naturalistic shed and informative signages to create awareness.



Centre for Conservation Research and Training

The Centre for Conservation Research and Training is among the recent additions to Nandankanan Zoological Park. It includes the newly established biobanking facility to preserve the genetic resources of endangered species, along with the existing zoo laboratory that has undergone a significant transformation, primarily focusing on advanced disease surveillance in zoo animals. Biobanking involves the collection, processing, and long-term storage of biological samples such as gametes, embryos, tissues, and DNA under cryogenic conditions. By serving as a repository of genetic material, biobanks help mitigate the risks of biodiversity loss, aid in assisted reproductive technologies, and support research in genetics and disease management, contributing to global conservation efforts.

The upgraded zoo laboratory is well-equipped for molecular diagnostics, hormonal assays, microbiological culture, and characterization. Its major objectives include disease

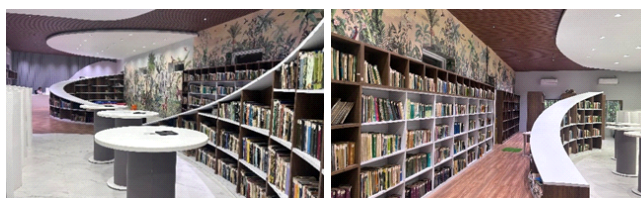
surveillance, DNA-based species identification, sex determination for monomorphic animals, and genetic assessments for monitoring the reproductive health of zoo animals. This multifaceted approach aims to enhance animal welfare, strengthen conservation efforts, and improve our understanding of zoo animal health and behaviour.



Zoo Library and Digital Hub

Nandankanan Zoological Park has renovated its old Zoo Library into a modern Zoo Library & Digital Hub, a significant step in meeting the needs of modern readers, researchers, and visitors. The upgraded facility developed over 2840 sq. ft., has an extensive collection of more than 5000 books and journals on wildlife biology, biodiversity conservation, forestry, and veterinary sciences.

The development includes a dedicated Kid's Corner to inspire young learners, a Digital Library for seamless access to published resources, expanded shelving for the growing collection, and a contemporary reception area designed to enhance user experience. The library's transformation is marked by a thematic facade, modern interiors, upgraded flooring, and an entry ramp for Divyangs, ensuring inclusivity for all visitors. Scheduled to open on December 29, 2024, this revamped library underscores Nandankanan's commitment to fostering conservation education, supporting wildlife research, and promoting awareness about biodiversity conservation.



Zoo Security Staff Residential complex

The Zoo Security Staff Residential complex, covering 2940.44 sqm, is now operational for 44 OISF personnel. The complex includes separate barracks for 24 male and 12 female security staff, accommodations for officers, a dedicated security cabin, and a well-equipped kitchen and dining area. The infrastructure comprises 8 prefabricated container blocks spanning 439.86 sqm. This modern facility ensures efficiency and comfort for the security staff, enhancing safety and security of visitors and Nandankanan Zoological Park.



Bird Quarantine

A new Bird Quarantine Facility has been established in an off-exhibit area of Nandankanan Zoological Park, strategically located away from animal enclosures to prevent the spread of infectious diseases and ensure the health and safety of the avian population. It spans an area of 5,630 square feet and features 11 individual units designed to meet species-specific requirements. It includes a 2.2-meter-wide keeper corridor and a dedicated keeper room integrated with a CCTV surveillance system to oversee husbandry operations and monitor birds closely during their quarantine period. The facility is equipped with a reliable water supply, an efficient drainage system, and strictly maintained hygiene protocols to ensure optimal conditions. The primary objective of this facility is to quarantine newly arrived birds and screen them for potential infections before integrating them into the main animal collection of the zoo. This proactive measure underscores Nandankanan Zoological Park's commitment to maintaining the highest standards of animal health and biosecurity.



Kanjia Wetland Discovery Trail

A wetland trail along the Kanjia Lake with informative signages has been developed as Kanjia Wetland Discovery Trail. The trail covers 1km stretch along Kanjia Lake with 30 informative signages describing the importance of wetland and the biodiversity including local flora and fauna. This immersive educational event will be arranged every week where the nature guide will guide the participants through the trail describing about wetland dependent birds, insects, animals and plants highlighting the importance of wetlands. This initiative will be Nandankanan's new flagship educational programme aiding to nature education and awareness.



Visitors during the Quarter (January 2025- March 2025)

Nandankanan Zoological Park and State Botanical Garden had received 558997 visitors and 26068 visitors respectively between 01st January to 31st March, 2025.

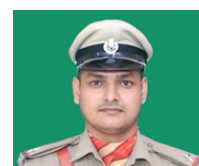
PASSIONATE GUARDIANS Animal Adopted during the Quarter (January- March, 2025)

Sl no	Name of the persons/ institution	Details
1	Anagha Inamdar Pune, Maharashtra,411038	One Wooly necked stork 29-Mar-2025 to 28-Apr-2025
2	Priyanka Khandelwal Mumbai, Maharashtra,400037	One Tiger (RBT) 28-Mar-2025 to 27-Jun-2025
3	Hema PrabhakaraBabu Chennai, Tamilnadu,600088	One Hamadryas Baboon 28-Mar-2025 to 27-Apr-2025
4	Hema PrabhakaraBabu Chennai, Tamilnadu,600088	One Alexandrine parakeet 28-Mar-2025 to 27-Apr-2025
5	ANSHUL GUPTA Jabalpur, Madhya Pradesh,482003	One Leopard / Panther 15-Mar-2025 to 14-Apr-2025
1	Ashok Kumar Swain Kolkata, West Bengal,700156	One Black buck 10-Mar-2025 to 09-Apr-2025
2	Shilpa Bapna Mumbai, Maharashtra 400037	One Indian peafowl 06-Mar-2025 to 05-Apr-2025
3	Manoj Menon Hyderabad, Telangana,500019	One Binocellate Cobra 06-Mar-2025 to 05-Jun-2025
4	Karthik Telangana, Hyderabad 500018	One no. of Binocellate Cobra 03-Mar-2025 to 02-Apr-2025
5	Priyanka Ghosh Bardhaman, West Bengal,713204	One Nilgai 16-Feb-2025 To 15-Mar-2025
6	M Govindaranjan Puducherry	One Common Mongoose 13-Feb-2025 to 12-Mar-2025
7	Pasham Sai Kumar Malkajigiri, Telangana,500011	One Binocellate Cobra 07-Feb-2025 To 06-Mar-2025
8	Varunika Karthikeyan Chennai, Tamilnadu,600126	One Indian Pangolin 06-Feb-2025 To 05-Mar-2025
9	Mamata Dash Bhubaneswar, Khurda, Odisha,751010	One Indian Tent Turtle 31-Jan-2025 To 30-Jan-2026
10	Mamata Dash Bhubaneswar, Khurda, Odisha,751010	One Leopard Cat 31-Jan-2025 To 30-Jan-2026
11	Jayanta Kumaar Biswal Cuttack, Odisha,754200	One Common Sand Boa 31-Jan-2025 To 30-Apr-2025
12	Rajendra Prasad Panda Medinipur, West Bengal,721134	One Barbary Dove 31-Jan-2025 To 30-Apr-2025
13	Anagha Inamdar Pune, Maharashtra,411038	One Common Mongoose 30-Jan-2025 To 01-Mar-2025
14	Amod Inamdar Pune, Maharashtra,411038	Two Common Mongoose 30-Jan-2025 To 01-Mar-2025
15	Maitreyee Naha Bhubaneswar, Odisha,751010	One Indian Porcupine 25-Jan-2025 To 24-Jul-2025
16	Shilpa Vivek Mumbai, Maharashtra,400037	One Indian Peafowl 22-Jan-2025 To 21-Feb-2025
17	R. Pobitra Mohan Patnaik Bangalore, Karnataka,560076	One Himalayan Black Bear 17-Jan-2025 To 16-Jan-2026
18	Manoj Menon Hyderabad, Telangana,500019	One White Backed Vulture 17-Jan-2025 To 16-Feb-2025
19	Priyanka Ghosh Paschim Bardhaman, West Bengal,713204	One Nilgai 16-Jan-2025 To 15-Feb-2025
20	Anagha Inamdar Pune, Maharashtra,411038	One Jackal 13-Jan-2025 To 12-Feb-2025
21	Anagha Inamdar Pune, Maharashtra,411038	One Asiatic Wild Dog 13-Jan-2025 To 12-Feb-2025
22	Sunil Kumar Kamble Kalaburagi, Karnataka,585105	One Binocellate Cobra 01-Jan-2025 To 30-Jun-2025
23	Ishaan D. Joshi Pune, Maharashtra,411038	One Giant Fruit Bat 01-Jan-2025 To 31-Dec-2025
24	Keshav Anand Khorda, Odisha,751024	One Cockatiel 01-Jan-2025 To 30-Jun-2025

NEW JOINEE STAFFS DURING THIS QUARTER



Miss Sanjita Nayak
Animal Keeper
Joined on 24/01/2025



Sri Ashwini Dash
Forester
Joined on 03/02/2025

Superannuating staff



Smt Kalyani Das
Junior Stenographer
DOR: 28/02/25



S K Jabar
Animal Keeper
DOR:31/03/2025

Zoo Education Programme during this Quarter (January- March, 2025)

Date	Programme/Event	No. of Participants
02.01.2025	Quiz conducted at 15 schools at Bhubaneswar	450
04.01.2025	Orientation programme of B.V.Sc students from SOA, Bhubaneswar	40
07.01.2025	Celebration of 65 th Foundation Day	>180
08.01.2025 to 11.01.2025	Pravasi Bharat Divas- visit programme of delegates	114
08.01.2025	Visit programme of FRO trainees from TSFA, Dulapally, Hyderabad	36
11.01.2025	Orientation programme of B.V.Sc students from SOA, Bhubaneswar	42
11.01.2025	One Day at Nandankanan programme for students of Mothers Public School, Bhubaneswar	125
12.01.2025	One Day at Nandankanan programme for students of Lexicon Institute, Bhubaneswar	55
16.01.2025 to 20.01.2025	Exposure visits programme of zoo staffs from Naya Jungle Safari, Raipur	08
17.01.2025	Briefing session for Mid - Winter Waterfowl Census 2025	52
18.01.2025	Mid-Winter Waterfowl Census	78
19.01.2025	Season Watch and Tree Walk conducted at SBG	35
25.01.2025	Visit programme of Forest officials from WII, Dehradun	17
28.01.2025	One Day at Nandankanan programme for Students of Naryani School, Patia, Bhubaneswar	78
02.02.2025	World Wetland Day & Expert Talk	48
02.02.2025	Visit programme of FROs trainees from TNFA, Coimbatore	35
14.02.2025 to 17.02.2025	Great Backyard Bird Count	65
15.02.2025	World Pangolin Day	55
15.02.2025	Visit programme of Kids from Whiz Kidz Pro School, Bhubaneswar	40
01.03.2025	Visit programme of Field Assistant trainees from FTS, Ghatikia, Bhubaneswar	41
03.03.2025	World Wildlife Day celebration at Govt UG High School, Phulapokari	>200
08.03.2025	International Women's Day - Nature Walk	25
08.03.2025	One Day at Nandankanan for students of Jhunjhunwala Bidyapitha, Barang	71
14.03.2025	Celebration of Learn about the Butterflies	32
14.03.2025	Celebration of Save the Spider Day	20
14.03.2025	Visit programme of B.V.Sc students from College of Forestry, OUAT, Bhubaneswar	45
20.03.2025	Celebration of World Sparrow Day	>100
20.03.2025	Celebration of World Frog Day	>100
20.03.2025	Conducting a Herping trail	14
21.03.2025	Celebration of World Forestry Day	35
22.03.2025	Visit programme of Forester trainees from FTS, G. Udaygiri	55
23.03.2025	Visit programme of Eco tour guides under Green Skill Development programme conducted by CES	24
25.03.2025	Conducted a moth watching session	12
26.03.2025	Visit programme of students from different blocks of Mayurbhanj district	450
26.03.2025	Visit programme of Autism Spectrum Disorder children from SVNIRTAR, Olatpur, Cuttack	63
27.03.2025	Visit programme of FROs trainees from Forest Training Academy, Nainital, Uttarakhand	38
28.03.2025	Visit programme of students from Nandankanan High School under Dual Mode of Education	44
30.03.2025	Visit programme of students from Ruchika High School, Bhubaneswar to participating in Budding Birders programme	22

Other events during the Quarter

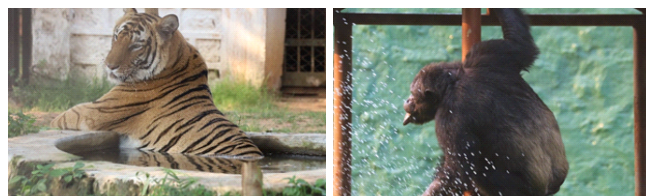
Foundation Day

AWARDEE LIST FOR 65TH FOUNDATION DAY, 2024			
SL no	Name of the Award	Name & Designation	Range
1	Best animal Keeper Award for the year	SK Jabar, Animal Keeper	Sanctuary Management
2	Best performer in enclosure upkeep and maintenance	Braja kishor Sahoo, Animal Keeper	Sanctuary Management
3	Best performer in Revenue Collection Section	Muna Pradhan, Ticket Collector	Revenue
4	Best performer in Lawn & Garden maintenance	Brundaban Sahoo, Zoo Watcher	Store
5	Best performer in Veterinary Health care	Jyotirnanjan Mallick, Livestock Assistant, MVU	Veterinary wing
6	Best performer in electricity & water supply session	Sanjay Ray, Outsourced	Special Project
7	Best performer in Raj Bhawan Deer Park	Anatha Pradhan, Animal Keeper	Sanctuary Management
8	Best performer in State Botanical Garden	Siba Sethi, (E.P.F-30)	SBG-I
9	Best performer in Sanitation section	Ganga Mandal, Outsourced	Special Project
10	Best performer in Security and Maintenance Range	Banamali Behera, Zoo Watcher	Security & Maintenance
11	Best performer in feed & fodder distribution	Saroj Kumar Sahoo, Outsourced	Sanctuary Management
12	Best Forest Guard	Manas Ranjan Maharana, Forest Guard	Sanctuary Management
13	Best Forester	Galhai Murmu, Forester	Security & Maintenance
19	All Rounder	Susant Kumar Behera, Forest Guard	Security & Maintenance
14	Best Intern Award	Keshari Prasad Mohanty	
15	Best Zoo Volunteer Award	Rajesh Nahak	
16	Best Citizen Science Initiative Award	Yashaswini Sahoo	
17	Nandankanan Scholarship-Best Performer in HSC Exam 2023-24 (Girl)	Sonali Moharana, Nandankanan High School	
18	Nandankanan Scholarship-Best Performer in HSC- Exam 2023-24 (Boy)	Jyotirmaya Sahoo, Nandankanan High School	
20	OISF	Commandant	
21	Zoo Ambassador	Shreeyans Swarup Negi, Niranjan bhoi high school, Khuntasamalai, Bargarh.	

Events during this quarter (January,2025-March,2025)

Integrated Summer Arrangements

On-going efforts are underway to introduce tailored summer arrangements for each animal enclosure. This initiative addresses the unique requirements of different species, ensuring optimal well-being and comfort during the season while enhancing the visitor experience through curated habitats that reflect a commitment to excellence in animal care and exhibit design.



MoU with LaCONES

A MoU was signed between Nandankanan and LaCONES at CSIR-CCMB, Hyderabad on 04/02/2025 for collaboration in technical support, research and training at Centre for Conservation Research & Training at Nandankanan.

Celebration of World Pangolin Day

World Pangolin Day was observed on 15th February 2025 with staff and 30 students from different institutions where an expert talk on Biology, Rescue and Rehabilitation of Indian Pangolin was delivered by Dr Rajesh Kumar Mohapatra, Biologist, NKZP, followed by a field demonstration, interactive sessions and quizzes.



Celebration of World Wetland Day

World Wetland Day was celebrated on 2nd February 2025 with staff, students from different institutions and Zoo volunteers with an expert talk and wetland trail in presence of Dr N.K. Dhal, Chief Scientist & HOD Environment and Sustainability, IMMT, Bhubaneswar followed by quiz and nature journaling session.



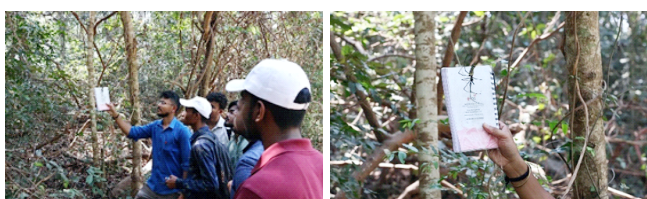
Observation National Learn About Butterflies Day

The "National Learn about Butterflies Day" was conducted at Nandankanan on 14th March 2025 with 32 participants including students from OUAT, SOA, BJB Autonomous college, Barang College and some visitors. A butterfly Walk at the Butterfly Garden, along with discussion on ecological importance of butterflies was done.



Observation "Save a Spider" Day

The "Save a Spider" Day was conducted at Nandanandan on 14th March 2025 with focus on awareness about the role of spiders in nature. A total of 24 number of participants including students of Agriculture, Forestry and Entomology took part in a "Nature Trail" along with the discussion on the ecological importance and their habitat.



Observation World Sparrow Day

World Sparrow Day was celebrated at Nandankanan, where more than 250 visitors learned about sparrow conservation through interactive activities, nest box demonstrations, and fun-filled activities for kids like painting and quiz.



Observation of World Frog Day

World Frog Day was celebrated at Nandankanan on 20.03.25 with interactive sessions, quizzes, and a 'Frog Walk' to explore amphibian diversity at Nandankanan.



Observation of International Forest Day

The International Day of Forest was celebrated at Nandankanan with 30 participants on 21st March 2025. A herbarium demonstration, medicinal plant identification, painting and an interactive quiz was conducted on this occasion.



Observation of Great Backyard Bird Count (GBBC)

Nandankanan celebrated Great Backyard Bird Count (GBBC) 2025 with 30 participants from 14th February 2025 till 17th February 2025 that began with a training programme and numerous birding trails all over the sanctuary. All the participants were briefed about the birding techniques, birding tools, eBird app and GBBC. Binoculars, cameras, spotting scope and field guides were provided to participants to identify and document the birds. Four Night Birding Trails were conducted to document the nocturnal birds. A total of 148 species of birds were reported by the participants including rare birds like Eastern Marsh Harrier, Streaked Weaver, Black Redstart, Plaintive Cuckoo, and Indian Gray Hornbill. At the end hotspot, 'Nandankanan Zoological Park' ended the GBBC holding 14th rank in India and 1st rank in Odisha.



Observation of March Tree Festival:

The "March Tree Festival" under @SeasonWatch was conducted at State Botanical Garden with 45 participants. The participants studied the phenology of the trees along the walk.



Seedling Distribution Ceremony

1000 Nos. of seedlings distributed to visitors by Honorable Minister of Forest Environment and Climate Change Department Govt. of Odisha on 1st January 2025.



Vocational Education Course in coordination with Odisha School Education Programme Authority

Odisha School Education Programme Authority (OSEPA) in collaboration with Nandankanan Zoological Park implemented dual mode of vocational education in agriculture sector (Job role: Animal health worker) for secondary school students of Nandankanan Government High School where 40 number of students enrolled in class 9 for the financial year 2024-25.



Internship Programme at Nandankanan

Certificate distribution for interns of fall session, 2024 of (9th) batch was conducted on 24.01.2025

Name	Topic
Amrita Kumari	Development of outreach materials of selective animals Nandankanan Zoological Park.
Priyanka Yadav	Observation & documentation of reproductive behaviour of tigers in captivity
Aishwarya Samantaray	Study and documentation of Xerophyte Garden of SBG
Vaisnavi Pandey	Study and documentation of Butterfly Garden of SBG

Birth Recorded The During This Quarter (January 2025- March 2025)

SL NO	DATE	SPECIES	NUMBER
1	01.01.25	Blue faced lorikeet	2 U
2	01.01.25	Sambar	1 U
3	08.01.25	Mouse Deer	2 U
4	12.01.25	Sambar	1 U
5	21.01.25	Spotted Deer	3 U
6	22.01.25	Spotted Deer	1 U
7	25.01.25	Lion cub	1M+1F
8	28.01.25	Grey wolf	3 U
9	29.01.25	Spotted Deer	2 U
10	28.01.25	Fox	2 U
11	30.01.25	Chimpanzee	1 M
12	31.01.25	Spotted Deer	6 M
13	08.02.25	Jungle Cat	3 U/S
14	24.02.25	Tiger Cub	1 M
15	27.02.25	Four horned Antelope	1 U/S
16	05.03.2025	Porcupine	2 U/S
17	07.03.2025	Spotted deer	3 U/S
18	08.03.2025	Grey pelican	3 U/S
19	08.03.2025	Painted stork	4 U/S
20	10.03.2025	Leopard cat	2 U/S
21	19.03.2025	Four horned antelope	1 U/S
22	20.03.2025	Porcupine	1 U/S
23	22.03.2025	Geoffrey's marmoset	2 U/S
24	25.03.2025	Himalayan black bear	1 U/S
25	27.03.2025	Indian fox	2 U/S
26	27.03.2025	Spotted deer	4 U/S
27	30.03.2025	Spotted deer	4 U/S
28	30.03.2025	Black headed ibis	4 U/S
29	30.03. 2025	Night heron	3 U/S
30	31.03. 2025	Chousingha	2 U/S
31	31.03. 2025	Indian fox	2 U/S
Total			71

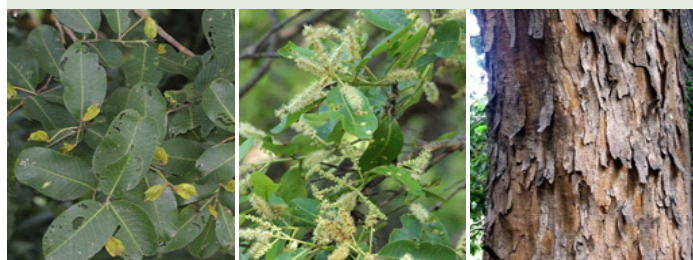
Plant In Focus

Terminalia arjuna: The Guardian of Hearts

Terminalia arjuna, commonly known as arjuna, is a gorgeous tree prized for its therapeutic benefits, especially in cardiovascular health. This deciduous tree, native to the Indian subcontinent, has long been a staple of traditional Ayurvedic medicine and is now being recognized in modern science for its therapeutic potential. Arjuna grows along riverbanks and waterways, often forming a distinguishing feature of riverine woods. It is native to India, Sri Lanka, and areas of Southeast Asia.

Distinctive Features:

Arjuna is a huge tree that can grow to be 20-30 meters tall, with a buttressed trunk and a crown that spreads widely. Its bark is smooth, grey to pinkish-green, and peels away in thin flakes. The leaves are simple, opposite, oblong or elliptic, and have a rounded or somewhat heart-shaped base. They are frequently unequal-sided and contain a conspicuous network of veins. The tree bears small, fragrant, white or creamy blooms in spikes or panicles. The blossoms are an essential supply of nectar for bees. The fruits are fibrous-woody, indehiscent drupes with 5-7 large wings. When fully developed, they range from dark brown to reddish brown.



Species in Focus

Sarus Crane (*Grus antigone*)

The tallest living flying bird in the world, is a striking bird known for its tall, grey body, long bare red legs, and a naked red head and neck. Native to Northern, Central, and NE India, Bangladesh, Pakistan, Myanmar, and surrounding regions, these cranes inhabit open plains, marshlands, and cultivated areas. They are known for forming long-lasting pair bonds, performing territorial displays, and courtship dances. The species has a varied diet, including grains, shoots, insects, and small reptiles. With a lifespan of up to 26 years, they reach sexual maturity at 5-6 years. Unfortunately, Sarus Cranes face threats from habitat loss and encroachment, leading to their vulnerable status on the IUCN Red List. In India, they are symbolically tied to marital fidelity and are protected under the Wildlife Protection Act of 1972. At present Nandankanan houses three numbers of individuals.



Healthcare Highlights

1. Successful Management of dystocia by Caesarean section in a four horned antelope (*Tetracerus quadricornis*)

On 11-02-2025, one 3 years old female four horned antelope was found struggling for about 6 hours to deliver a fawn. Only the hoof of one hind leg was visible protruding through the vulva. The doe was immobilised using drug mixture of Medetomidine and Ketamine HCl through a dart projector. Physical examination through vulva confirmed posterior presentation of the foetus which was alive. The situation warranted immediate surgical intervention through caesarean section. A 10 cm long ventro-lateral oblique incision was made on left flank and using standard procedure a live fawn was removed from uterus. The doe was kept at the 'Inpatient ward' for 15 days for post-operative treatment & the fawn was taken to "Hand rearing centre" for bottle feeding. Both the mother and fawn survived and are doing well.

2. Successful hand rearing of chimpanzee baby

On 30 January 2025, a 7 year 4-month-old primiparous chimpanzee mother Durga delivered a male baby chimpanzee. After delivery, she was taking all care of her baby. After 15 days, on 15th February 2025, Durga started showing aggression towards the baby. Her activity was meticulously monitored through close circuit cameras. As the maternal behaviour of Durga deteriorated, decision was taken to remove the infant from the mother and hand raise it through bottle feeding. On

20-02-2025, the baby chimpanzee was brought to the 'Hand Rearing Centre, of the zoo. The baby was fed with human baby milk replacer formula 'Lactogen-I' as per standard reconstitution. Presently, the baby is active and showing normal growth in body weight.



Awards

State botanical Garden, Nandankanan has participated in the flower show at RPRC, Bhubaneswar on 7th to 11th of January 2025. SBG stood first in 23 categories, 17 second and 5 merit, this includes first in mix display and in foliage display.

State Botanical Garden, Nandankanan has participated in flower show at NLUO on 25th and 26th of January, 2025. SBG got a total of 45 prizes, among which stood first in 23 categories, 17 second and 5 merits, this includes first in mix display and 2nd in foliage display.

State botanical Garden, Nandankanan has participated in flower show at Nalco on 3rd and 4th of February 2025. SBG got a total of 43 prizes, among which stood first in 22 categories, 16 second and 5 merits.

State botanical Garden, Nandankanan has participated in flower show at OUAT on 7th and 8th of February 2025. SBG got a total of 33 prizes, among which stood first in 21 categories, 9 second and 3 merits.



Visit Programme of Smt Pravati Parida, Deputy CM, Odisha

Hon'ble Deputy CM of Odisha, Smt. Pravati Parida, visited Nandankanan on 16.02.2025. She appreciated the ongoing conservation, developmental activities & gave directions for continued excellence. This encouragement is a great boost for wildlife conservation efforts of Nandankanan.

