

Sundarvan Nature Discovery Centre, Ahmedabad

Annual Report & Animal Inventory for the Year
2020- 21



Sundarvan

A Nature Discovery Centre

Jodhpur Tekra, S. M. Road, Ahmedabad – 380 015.

Phone: 079-26923148, 26921838

Fax: 079-26858010

Report of the Officer-in-charge

Since its inception in 1978, Sundarvan Nature Discovery Centre has been carrying out reptile awareness programmes. Regular reptile awareness and rescue programmes conducted in Sundarvan have sensitized the masses of the city on the importance of these animals and their ecological role. These awareness programmes have directly led to considerable reduction in the killing of snakes by people and vice versa, hence emphasizing the conservation and wildlife educational role of this facility. Apart from above programmes, the zoo also carries out many activities and workshops on various lesser-known species such as bats, odonates, amphibians, birds etc on regular basis. Due to lockdown caused by covid-19 pandemic, very few schools visited Sundarvan. A total of 3482 students and 563 teachers from 83 schools visited Sundarvan during this year to enhance their classroom learning.

The Indian zoos are moving towards the new era to fulfil the modern needs. We at Sundarvan also try our best to create a state-of-the-art Mini Zoo. We have renovated washroom facility as per the requirement of various age people including the physically challenged. We are also working on the enclosure design and making changes of the animal facilities in phases. The nature immersed, spacious crocodile enclosure was completed in the year 2016 with an external funding. Renovations of snake enclosures are being done and earlier submitted Master Plan is being reviewed and shall be submitted soon.

The lush green campus acts as sanctuary for wide range of animals in this fast developing city. Apart from schools, the higher education institutions are also using this facility for their education, research and internship programmes. Sundarvan is already working with few institutions/zoos to get technical support. Further support from well-wishers, institutions, other zoos and Central Zoo Authority will help Sundarvan to reach a level of a modern zoo education facility for the masses and region.

Naim Akhtar

(Dr. Naim Akhtar)
Park Manager

1. History of the Zoo

Prior to 1978, the area of Sundarvan was a small mango orchard. Almost half of the area was barren. Later, different tree species were raised to maintain the diversity. The place became a dense green patch with over 50 tree species now. In 1978, the Nehru Foundation for Development, Ahmedabad organised a week long snake awareness programme in Ahmedabad with the help of Madras Crocodile Bank Trust, Chennai. The success of the programme inspired the management to create permanent reptile viewing and educational facility in Sundarvan.

2. Objective

- The prime objective of Sundarvan is to impart nature education for the conservation of snakes and other reptiles to all the strata of the society.
- To conduct training workshops for teachers, researchers, naturalists, volunteers, corporate personnel based upon their needs of nature education and conservation of wildlife in general and snakes in particular.
- To develop model Zoo Education and Management Programme for Zoo Keepers and Zoo Administrators.

3. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Sundarvan Nature Discovery Centre
2	Year of Establishment	1978
3	Address of the Zoo	Jodhpur Tekra, S. M. Road, Near ISRO, Ahmedabad, Gujarat – 380015.
4	State	Gujarat
5	Telephone Number	079-26923148
6	Fax Number	079-26858010
7	E-mail address	sundarvan@ceeindia.org
8	Website	www.sundarvan.org
9	Distance from nearest	Airport: 17 KM
		Railway Station: 10.5 KM
		Bus Stand: 2 KM
10	Recognition Valid up to (Date)	19.08.2021
11	Category of zoo	Mini

S.No.	Particulars	Information
12	Area (in Hectares)	1.3
13	Number of Visitors (Financial Year)	Adult : 28,028
		Children : 11,963
		Total Indian : NA
		Total Foreigners : NA
		Total Visitors: 39,991
14	Visitors' Facilities Available in Zoo	Children Play area, Adventure park, Amphitheatre, Seating arrangements, Toilets and Drinking water.
15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Dr. Naim Akhtar, Park Manager
	Name of the Veterinary Officer	Dr. Kishore Transadiya (Consultant, visits on request)
	Name of the Curator	NA
	Name of the Biologist	NA
	Name of the Education Officer	Mr. Deep Shah
	Name of the Compounder/ Lab Assistant	NA
Owner / Operator of the Zoo		
17	*Name of the Operator	Centre for Environment Education
18	Address of the Operator	Thaltej Tekra, Ahmedabad, Gujarat – 380054.
19	Contact details/Phone number of Operator	079-26858002-05
20	E-mail address of Operator	ceedo@ceeindia.org

** Rule 2(m) of the Recognition of Zoo Rules, 2009.*

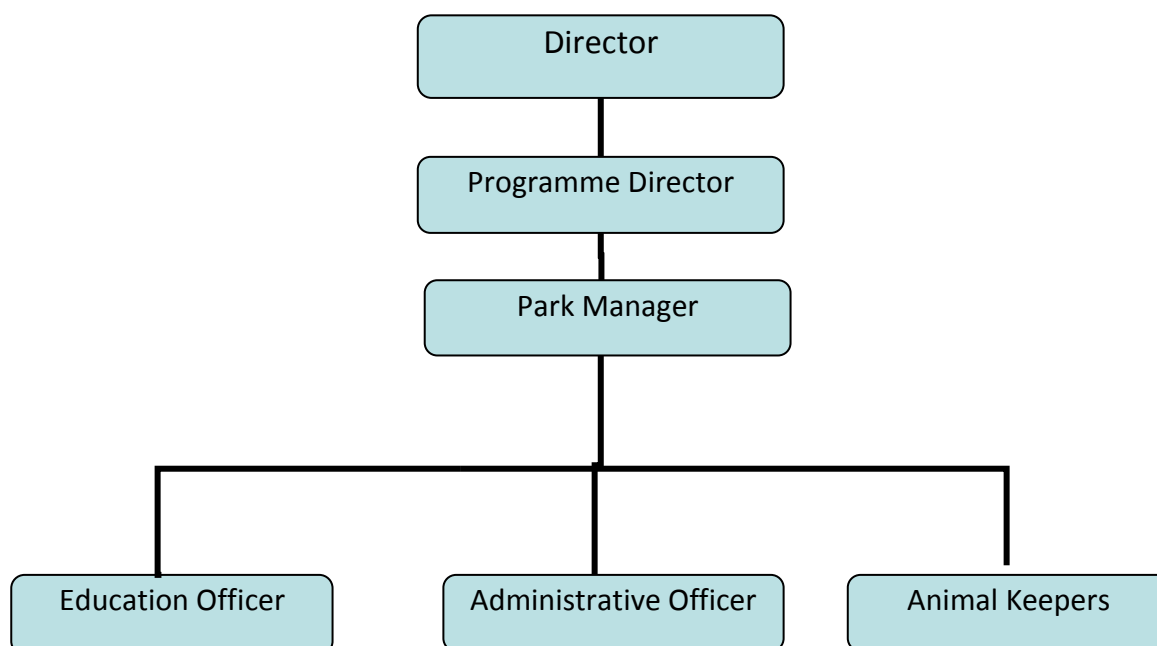
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that_____

I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

4. Organizational Chart



The Veterinary Officer is on call. The security and housekeeping staff are managed by a third part agency on outsourced basis.

5. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Park Manager	1	Dr. Naim Akhtar
2	Education Officer	1	Mr. Deep Shah
3	Administrative Assistant	1	Mr. Shailesh Patel
4	Animal Keepers	3	Madan Sisodiya, Ratilal Solanki, Jagdish Purabiya
5	Peon and Office Attendant	2	Dilipsinh Sisodiya, Dev Narayan Tiwari

*Please give above mentioned information in respect of all zoo personnel, from the Officer in-charge up to the Animal Keeper.

Services such as Security (3 Gaurds) and House Keeping- cleaning (2 People) for Sundarvan have been arranged on outsourced basis.

5. Capacity Building of zoo personnel

5 days Zoo Keepers workshop was organised at Kamala Nehru Zoological Park on 14-18th February, 2021 which was sponsored by the CZA. Mr. Jagdish Purabiya Keeper from Sundarvan attended the training program.

6. Zoo Advisory Committee

There is no existing zoo advisory committee at Sundarvan.

7. Health Advisory Committee

There is no health advisory committee at Sundarvan.

8. Statement of income and expenditure of the Zoo

Year	Income (Rs.)	Expenses (Rs.)
2020-21	11,37,940 (Approximately)	40,00,000 (Approximately)

Covid-19 pandemic has severely impacted the income and revenue of the Sundarvan Nature Discovery Centre (Mini Zoo) and Sundarvan is very thankful to Centre for Environment Education to meet the deficit during this difficult period.

Daily Feed Schedule of animals

Sl. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Star Tortoise	Soaked grams, vegetables, fruits and leaves	100gm per animal.12.5%, 25%, 25% and 37.5% respectively	200gm per animal.12.5%, 25%, 25% and 37.5% respectively	Nil
2	Bengal Monitor Lizard	Mice, chicks and eggs	Two numbers per animal (any one at a time). Twice a month.	Two numbers per animal (any one at a time). Weekly once.	Weekly or fortnightly feeding, depends on the season
3	Indian Rock Python	Rabbit/chicken	One per snake (1.25 to 1.5kg)	One per snake (1.25 to 1.5kg)	Monthly once during winter and fortnightly in other seasons
4	Medium sized snakes (Indian rat snake, Cobra, Russell's viper and Red sand	Rat/chicks	One per snake	Two per snake	Fortnightly during winter and weekly during other seasons

	boa)				
5	Smaller snakes (common sand boa, common krait)	Mice	One per snake	Two per snake	Fortnightly during winter and weekly during other seasons
6	saw-scaled viper	Mice/lizard	One per snake	Two per snake	Fortnightly during winter and weekly during other seasons
7	Checkered Keelback	Frog/fish/mice	Two per snake	Two per snake	Fortnightly during winter and weekly during other seasons
8	African slender-snouted crocodile	Chicken/Rabbit/fish (dead/live)	2kg per animal	2kg per animal	Fortnightly during winter and weekly during other seasons
9	Indian Porcupine	Fruit, grains, vegetables and leaves	1kg per animal. Daily. 15%, 15%, 50% & 30% respectively	1kg per animal. Daily. 15%, 15%, 50% & 30% respectively	
10	Hedgehog	Boiled egg, meat, mice and fruits	100 gm per animal. Daily	100 gm per animal. Daily	
11.	Red eared Slander Turtle	Packaged food	Daily	Daily	
12	Java Finch	Soaked mung, gram, wheat, green coriander, spinach	Daily	Daily	
13	Love Birds	Maize Corn, Soaked Wheat & Gram, Green Cucumber, Tomato, Seasonal fruits	Daily as per requirement	Daily as per requirement	
14	Budgerigar	Millet, and multi seed combination (branded Budgerigar seed food), green coriander, spinach	Daily as per requirement	Daily as per requirement	
15	Cockatiel	Maize Corn, Soaked Wheat & Gram, Green Cucumber, Tomato, Seasonal fruits	Daily as per requirement	Daily as per requirement	

9. Vaccination Schedule of animals

No vaccination schedules, as most of the animals in exhibits are reptiles.

10. De-worming Schedule of animals

The faecal analysis carried out on regular interval to find the parasite load. De-worming is carried out on the need base. No de-worming was carried out in this year and detail of the previous de-worming is as given in the table. There is no guideline on deworming of reptiles especially for snakes. However, python were dewormed once as per the details given below:

Sl.No.	Species	Drug used	Month
1	Indian Rock Python	Ivermectin	5-11-2015

11. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Snakes	Closed, glass front	Surface change & cleaning water bodies/pods	Fortnightly
2	Turtle	Open air	cleaning water bodies and water replacement	Fortnightly
3	Tortoise	Open air	Cleaning of enclosure and sand replacement	Fortnightly
4	Crocodile	Open air	Water change and cleaning water body	Every 10 days

12. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Mr. Madansinh Sisodia	Animal Keeper	25-05-2019	Normal
2	Mr. Ratilal Solanki	Animal Keeper	25-05-2019	Normal

13. Development Works carried out in the zoo during the year

We have renovated new snake enclosures as desired by the CZA under its recommendations.

14. Education and Awareness programmes conducted by the Sundarvan during the year

The Year 2020-21 has been largely disturbed due to wider spread Kovid-19 (CORONA) pandemic and zoo had to be closed for visitors for many months. Offline classes in school could not be resumed which resulted almost no visits of school/ kids to Sundarvan. However,



Reptile Awareness Programmes was conducted for park visitors on every Sunday. Sundarvan plays a very crucial role in sensitizing and creating appreciation for wildlife, specially the lesser known species like snakes and other reptiles. Snake awareness and nature appreciation programmes conducted in Sundarvan have sensitized the masses of the city on the importance of these species and their ecological role. These awareness programmes have directly led to considerable reduction in the killing of snakes by people, hence emphasizing the conservation and wildlife educational role of this facility.

The details of training programs conducted during the 2020-21 are given below:

I. Capacity Building Workshop of Zoo-Keepers on Husbandry and Management of zoo animals

Kamala Nehru Zoological Garden, Kankaria, Ahmedabad organised a workshop on Husbandry and management of zoos at Ahmedabad from 14-18 February 2021. This workshop was sponsored by the CZA. More than 6 zoos participated and many other zoos attended virtually. Sh. Jagdish Purabiya attended the workshop.

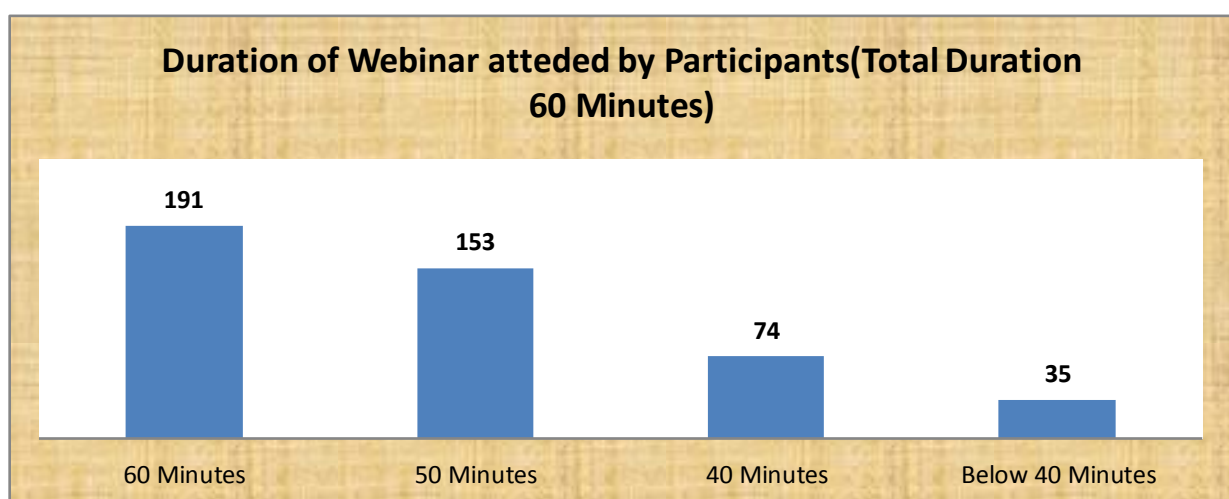
II. Webinar on “Indian Snakes: An Introduction”

Sundarvan – Nature Discovery Centre, Ahmedabad organised a webinar on “Indian Snakes: An Introduction” on 29th May, 2020, which was sponsored by Wagh Bakri Tea group.

The webinar was conducted by Mr. Deep Shah, Education officer, Sundarvan. The topics such as general information of reptiles with special reference to snake, snake diversity, venomous and non-venomous snakes, precaution to avoid snakebite, treatment, making of anti-venom, myths and facts and conservation significance were covered during the webinar session.

Total 453 participants have participated in the webinar with 3 experts from CEE/Sundarvan. Out of total participants of 453, 76% (344) participants have attended the complete webinar and rest 24% (109) participants have either joined lately or left early. The participants were from various professions like - Teachers from College and Schools, Students, Working Professionals, Youth, Parents, Doctors, etc. with a ratio of 60% male and 40% female across India.

Total 114 participants were raised questions with experts in Q&A session and in chat box. Way of questioning was very realistic and practical. Out of that, 42 were answered via Question Answer chat box and around 20 were answered in last 10 minutes of presentation. Due to time limitations, remaining answers will be given via email to the participants.



Sundarvan
Nature Discovery Centre

Sponsored by
WAGH BAKRI

Join Our Webinar

Indian Snakes: An Introduction

Friday, 29 May 2020
Time: 5:00 pm - 6:00 pm
No Registration Fee

CEE
Centre for Environment Education

Join at : <https://us02web.zoom.us/j/85324066381>

  **HAND PRINT**
action towards
sustainability

III. Virtual Summer Camp

One week virtual Summer Camp in partnership with Travel Sapiens was organised in the month of June for 5 to 10 years age group kids. Activities like- crafty hands, Let's beat viruses, Fun with animal moves, Kabaad se kamal and fuel for emotions were included in the camp. Around 20 kids had participated in the camp.

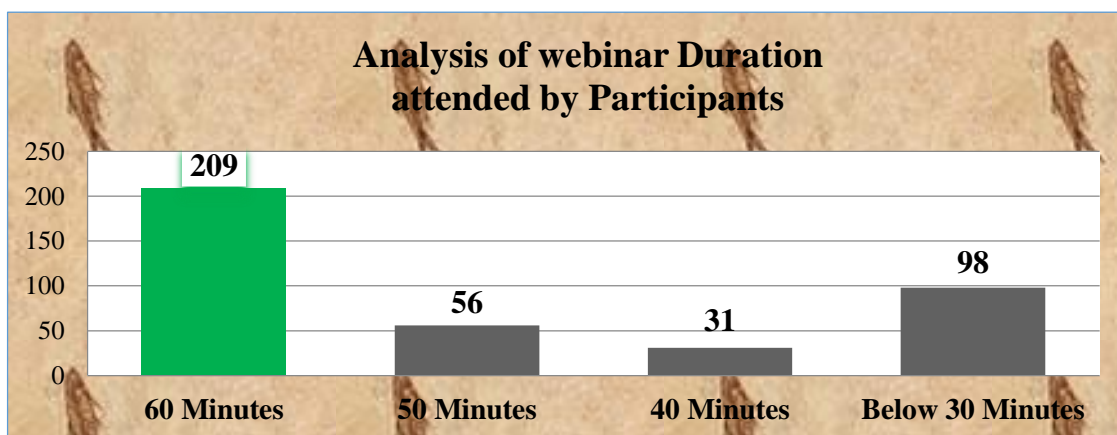


IV. Webinar on “Urban Biodiversity” on World Environment Day

Sundarvan – Nature Discovery Centre, Ahmedabad, Eco schools India, Young Reporters for Environment and Waghbakri jointly organised a webinar and poster making competition on “Urban Biodiversity” on 5th June, 2020 while observing of World Environment Day. The webinar was conducted by Mr. Deep Shah, Education officer, Sundarvan. The topics such as Introduction of Biodiversity, World of Biodiversity, Indian scenario for Biodiversity richness, Importance of Biodiversity, Biodiversity Hotspots for Conservation, Introduction of Urban Biodiversity, Common species in Urban Biodiversity, Importance, Threats, Legislation regarding conservation, Importance of Urban Biodiversity and Conservation values, Interesting case

studies from Sundarvan and Manekbaug Lokvan and few Individual steps for Biodiversity conservation were covered during the webinar session.

Total 392 participants have participated in the webinar with 3 experts from Sundarvan/CEE. Out of total participants of 392, 53% participants (209) participants have attended the complete session and they also raised questions about Urban Biodiversity with experts. Rest 47% (183) participants are attended 80% times of whole session. The participants were from various professions like - Teachers from College and Schools, Students, Working Professionals, Youth, Parents, Doctors, etc. with a ratio of 61% female and 39% male participants was available in the webinar from across India. Total 87 participants raised questions with experts in Q&A session and in chat box. Out of that, 20 were answered via Question Answer chat box and around 30 were answered in last 10 minutes of presentation. Due to time limitations, remaining answers will be given via email to the participants.



URBAN BIODIVERSITY

Join our Webinar

Friday, 5 June, 2020
10.30 am to 11.30 am
No Registration Fee

POSTER MAKING COMPETITION

CATEGORIES:
 - 6 to 13 years
 - 14 to 18 years
 - 19 to 25 years

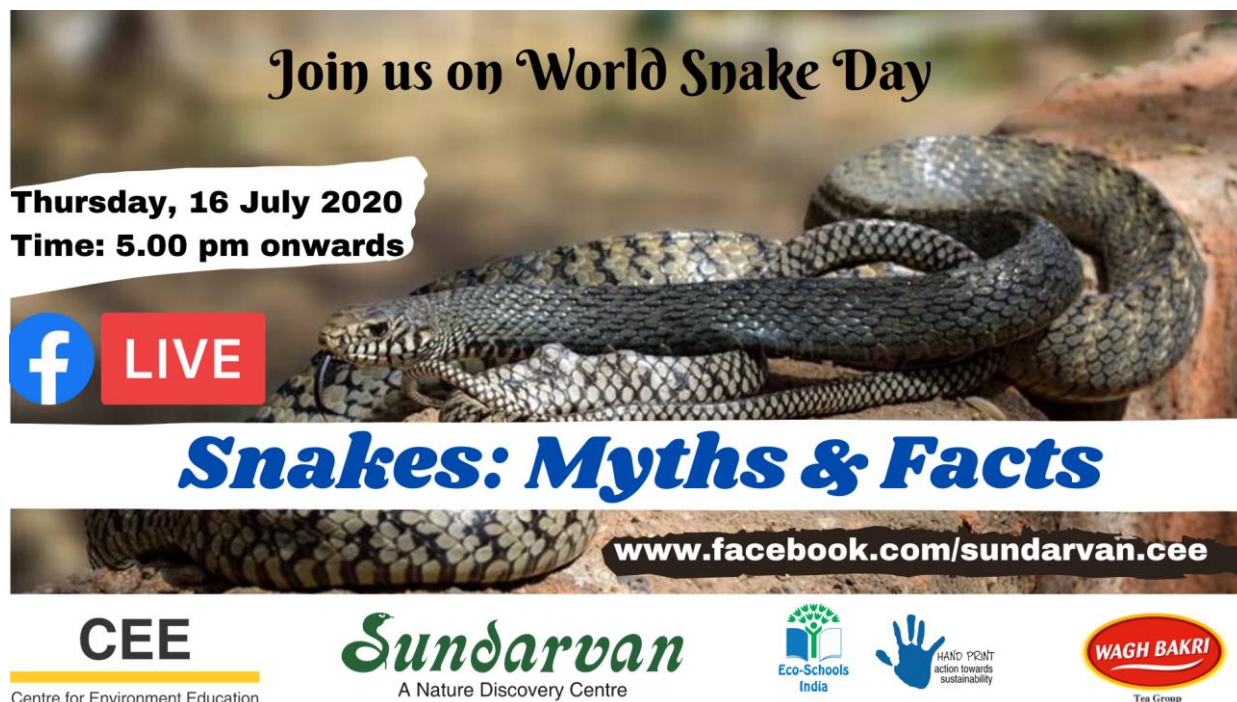
*Exciting Prizes for each category

Join at: <https://us02web.zoom.us/j/82476369197?pwd=V2FqeFdiYmo0dExxM3ZHZlptbEIXdz09>



V. Facebook Live session on “Snakes: Myths and Facts”

Sundarvan – Nature Discovery Centre, Ahmedabad organised a Facebook live session on “Snakes: Myths and Facts” on 16th July, 2020 which was sponsored by Wagh Bakri Tea group. The session was conducted by Mr. Deep Shah, Education officer, Sundarvan. The popular myths were discussed due to which snakes are being killed or traded illegally.



The poster features a background image of a snake coiled on a log. At the top, it says "Join us on World Snake Day". Below that, in a white box, it says "Thursday, 16 July 2020" and "Time: 5.00 pm onwards". There is a Facebook Live icon on the left. The main title "Snakes: Myths & Facts" is in large blue font. At the bottom, the Facebook URL "www.facebook.com/sundarvan.cee" is displayed. Logos for CEE, Sundarvan, Eco-Schools India, Hand Print, and Wagh Bakri are at the bottom.

Join us on World Snake Day

Thursday, 16 July 2020
Time: 5.00 pm onwards

LIVE

Snakes: Myths & Facts

www.facebook.com/sundarvan.cee

CEE
Centre for Environment Education

Sundarvan
A Nature Discovery Centre

Eco-Schools India

HAND PRINT
action towards sustainability

WAGH BAKRI
Tea Group

VI. Wipro Earthian Teacher’s Training Program

Earthian is Wipro’s Sustainability Education Program for schools and colleges. Through this program, we aim to help teachers to develop more meaningful sustainability education in their school. The objective is to provide exposure to multiple perspectives, develop an interconnected understanding of different disciplines in education and life. Total 187 Teachers from various cities like- Ahmedabad, Vadodara, Jamnagar, Chhota Udaipur, Rajkot, Dwarka, Bhavnagar, Aravalli, Banaskantha and Panchmahal have participated in the Training program on various themes i.e. Biodiversity, Waste and Water.

VII. National Wildlife Week Celebration 2020 at Sundarvan, Ahmedabad

Wildlife Week is celebrated all over the country in the month of October from 2nd to 8th October every year with the view to preserve the fauna means the animal life of the India. It

was first started in the year 1952 with the great vision of saving the life of the Indian animals by taking some critical steps. It involves the planning to save animal extinction of any species of the India. The Indian Government has established an Indian Board of Wild Life which works to improve the awareness as well as the consciousness of the Indian people towards the wildlife preservation.

Due to human population explosion, expansion in agriculture land, Industrialization, loss in forest cover, and climate change; nature and wildlife are facing severe threats for its survival. Many of the wild species have been extinct and many more are on the verge of extinction. Industrial and Agricultural development in the Country should go hand in hand with sustainable management practices and conservation of natural resources including wildlife. Therefore, to arouse a general awakening in common people in favour of preservation and conservation of wildlife, our Country observe Wildlife Week from October 2nd – 8th every year and encourage different activities aiming to bring awareness on wildlife conservation. Sundarvan celebrated wildlife week in partnership with Waghbakri on the theme **“Respect and Revive, Exploring Human – Animal Relationships”** for year 2020.

Themes of Wildlife Week at Sundarvan:

i. Cleanliness Drive: 2nd October, 2020

Mahatma Gandhi has said, “Cleanliness is next to godliness”

Sundarvan has organized cleanliness drive on the auspicious day of Mahatma Gandhi Jayanti- 2nd October, 2020 to celebrate national wildlife week (2-8 Oct). Around 20 kg of plastic and other waste has been collected from Sundarvan premises. Sundarvan team and few volunteers participated in the event maintaining all safety and hygiene.



ii. **Snake Awareness Program: 4th October, 2020**

Mehmet Murat ildan have said, “not all snakes are venomous and not all venoms are deadly! Keep this in mind when bitten”

A Snake awareness programme plays a pivotal role in bringing down the rate of snakebite, mortality and becomes important in order to clear the myths that circulate about snakes; it also helps in understanding how snakes are important for the ecosystem. Moreover, it also helps us in gaining knowledge about the precautions that need to be taken when we encounter snakes. Sundarvan plays a leading role in spreading snake awareness among the citizens of Ahmedabad.



Sundarvan, Ahmedabad has conducted Snake Awareness Program on 4th October, 2020 as a part of National Wildlife Week celebration. Around 100 people have joined the program maintaining all safety & precautions. The topics such as general information of reptiles, snake diversity, venomous and non-venomous snakes, precaution to avoid snakebite, treatment, myths and facts and conservation importance were covered during the session of snake awareness programme.

iii. Virtual Trip of Sundarvan: 5th October, 2020

Field Trips are important to help bridge the gap between education and hands-on experience. Field trips provide entertainment for students and youth. Considering the current situation of pandemic, Sundarvan has arranged a virtual tour of Mini-zoo by arranging the LIVE session using Facebook. Participants have enjoyed feeding of birds; got amazed by the interesting facts about bats and snakes; learnt

Insights	Value	Change
People reached	10,203	+22%
Post engagements	1,151	+247%
Page likes	30	+36%
Tagged product clicks	0	

Live Video Post	Value
People reached	1,180
Engagements	37

about difference between turtle and tortoise; and lots of exciting facts about other animals. Around 400 people have enjoyed the live session on Facebook.

iv. Wildlife Quiz: 8th October, 2020

As a part of National Wildlife Week Celebration, Sundarvan, Ahmedabad had organized a virtual wildlife quiz on 8th October, 2020 for School students from 6 to 9 standards. 180 students from 5 schools have participated in the quiz from Ahmedabad. Students from Anand Niketan (Maninagar), D.A.V International, A-One school, Kendriya Vidyalaya Ahmedabad Cantt. and Krishna Public School has participated in the quiz. Total 20 questions on imparting awareness on wildlife Conservation and Indian Wildlife were included in the quiz.

“The main aim to organize this quiz was to spread awareness and to gain knowledge on Indian wildlife among Students. Now-a-days students are not that aware of their nearby locality’s biodiversity, this quiz will motivate them to know and learn more about Indian biodiversity”

Anusha Kahar (Std.8- Kendriya Vidyalaya Ahmedabad Cantt 2) has secured 1st rank. Chirag Khandelwal (Std.9- D.A.V. International school) has secured 2nd rank and Jinansh Shah (std.6- A-One school) has secured 3rd rank. All the participants have got the e-certificates. Winners have got cash prizes and recognition certificates.

I. Winter Night Camp at Sundarvan

Every year in the month of December – January Sundarvan organizes Winter Night Camp for the kids of 6 to 12 years. This year due to COVID situation, Sundarvan could organised Winter camp in the month of January- 2021. Around 35 kids had participated in 3 batches. Kids enjoyed a lot during the overnight camp. Various activities like- Bird Feeding, Bat Awareness, Documentary screening, Night Nature Trail walk, Campfire and Bird Watching were being conducted for kids taking all the necessary precautions considering COVID situation.



Kids fed captive Birds for building better harmony between them and Birds. Myths and Facts, Bat diversity of India, Characteristics of Bats were explained during Bat Awareness program. Echo-location concept was explained by playing game. Documentary on Big four snakes, single use plastic issues and Spider web were screened and explained. Nocturnal creatures and their

behaviours were explained during Night Nature Trail walk. Importance of water conservation was explained in the form of game and also other games were played during Campfire. Bird Watching session was conducted in the morning. Identification of Birds by various characteristics was explained during the session.

II. Planet Preschool Visit

Nature Buddies of CEE's The Planet Discovery Centre got a chance to come close to some wonderful birds and animals. Toddlers engaged in petting and feeding, observing and bonding with other species of the Planet that co-exist with us. Kids got an opportunity to see and touch a few among rabbits, ducks, turkeys, snakes, pythons, Star tortoise, crocodile, porcupines, fruit bats, Guinea pigs among a few to name. The visit was part of the theme on Birds, Reptiles and Insects as part of environment and nature based education at CEE's Planet Discovery Centre.



III. Green birthday Celebration

Green Birthday Celebration is a unique activity of Sundarvan to build harmony between Nature and Kids. Kids with their family and friends celebrate their birthday in a Greener way with Sundarvan's Biodiversity. Various activities like- Making post cards of various wildlife creatures using their thumb impressions, feeding various birds, Nature trail walk, snake awareness program, Puppet Show, Green Games, Sundarvan Souvenir, and Plantation are

being conducted during Birthday Celebration. Total 2 Green Birthdays were celebrated in this financial year.





15. Seasonal special arrangements for upkeep of animals

Air cooler, sprinkling water in the enclosure are carried out during summer and heater is provided during winter months for the animals to beat the adverse weather conditions.

16. Research Work carried out and publications

No research work carried out during this period. However, one volunteer conducted survey on spiders distribution in the Sundarvan.

17. Conservation Breeding Programme of the Zoo

There is no breeding programme happening at Sundarvan, as the animals we have are very common species that has wide distribution in India.

18. Animal acquisition / transfer / exchange during the year

No exchange was done during the FY 2019-20.

19. Rescue and Rehabilitation of wild animals carried out by the Zoo

Our volunteers go frequently for rescue and release of snakes in the nearby localities frequently as per the request of residents of Ahmedabad.

20. Progress made in implementation of the conditions stipulated during the 2018 grant recognition.

Evaluation of Sundarvan Mini Zoo has recently been conducted by Shri S.P Srivastava Ex. PCCF, UP on 30th January 2020 for the further recognition of mini zoo which had already been expired. Recent recognition along with new terms & condition has been received from CZA and compliance to the given terms & condition is given below:

Ref: F. No. 19-67/92-CZA(61)(Vol.I) (E), dated 12-01-2021

Sr. No.	Norm Under RZR, 2009	Particulars of suggestions/recommendation	Time period to comply	Progress
General requirements				
1	1.6(b)	Boundary wall of residence of zoo-in-charge may be camouflaged by plantations	6 month	It is being done
3. Development and Planning				
2	10.3(1)	Master plan of the zoo should be submitted to CZA	3 months	It is being developed but due to covid-19 lockdown it is getting delayed
3	10.3(6)	Animal collection plan as integral part of the master plan should be prepared and submitted for approval of CZA	3 months	Yes, it shall be part of master plan
4. Animal housing, display of animals and animals enclosures				
4	10.4(2)	Except that of Rat snake and Russell's viper enclosures of snakes should be redesigned having due regard to their behaviour	3 months	Animals enclosure for others snakes are being redesigned and renovated
5	10.4(10)	Signage needs to be more informative about biology behaviour , population status of animals and there should be uniformity in size and colour	3 months	Being done
6	10.4(10)	Interpretation facilities should be developed	One year	Shall be considered once Sundarvan becomes financially stable as two lockdown imposed by covid-19 has seriously impacted the budget and revenue.
5. Upkeep and healthcare of animals				
7	10.5(2)	Frequency of testing of food and water samples be increased	Immediately	Shall be done one situation gets normal.
8	10.5(3)	Food storage room needs to be kept clean, its floor should be repaired and refrigerator should be in proper conditions	3 months	Being done
9	10.5(10)	Keepers diary should be maintained	Immediately	Being kept
6. Veterinary and Infrastructure facilities				

10	10.6(1)	Treatment room should have water supply	3 months	Just outside the treatment room we have taps.
11	10.6(6)	Formal linkage through MoU healthcare, preventive health management, surgical interventions, clinical test etc be established	3 months	Being considered. Animal Husbandry Department, Ahmedabad frequently visit to Sundarvan to keep watch on health status.
9. Acquisition and breeding of animals				
12	10.9(10)	Disaster management should be prepared	3 months	It shall be part of master plan being developed.

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

a. Mammals

- i. Indian Flying Fox
- ii. Short-nosed Fruit Bat
- iii. Small Asian Mongoose
- iv. Northern Palm Squirrel

b. Birds

- i. House Crow
- ii. Jungle Crow
- iii. Common Myna
- iv. Ashy Drongo
- v. Black Drongo
- vi. Blue Rock Pigeon
- vii. Asian Collared Dove
- viii. Laughing Dove
- ix. Red Collared Dove
- x. Grey Francolin
- xi. Rufous Treepie
- xii. Southern Coucal
- xiii. Shikra
- xiv. Black Kite
- xv. Rose-ringed Parakeet
- xvi. Coppersmith Barbet
- xvii. Small Minivet
- xviii. Grey-headed Canary Flycatcher
- xix. Paradise Flycatcher
- xx. Tickell's Blue Flycatcher

- xxi. Red-breasted Flycatcher
- xxii. Brown Flycatcher
- xxiii. Monarch Flycatcher
- xxiv. Common Tailorbird
- xxv. Magpie Robin
- xxvi. Indian Robin
- xxvii. Ashy Prinia
- xxviii. Red-vented Bulbul
- xxix. Lesser whistling Duck
- xxx. Red-naped Ibis
- xxxi. Pond Heron
- xxxii. White-breasted Waterhen
- xxxiii. Yellow Wagtail
- xxxiv. White-throated Kingfisher
- xxxv. Red-wattled Lapwing
- xxxvi. Purple Sunbird
- xxxvii. Purple-rumped Sunbird
- xxxviii. Asian Koel
- xxxix. Alexandrine Parakeet
- xl. Yellow-legged Green Pigeon
- xli. Jungle Babbler
- xlii. Small Green Bee-eater
- xliii. Indian Peafowl
- xliv. Black-rumped Flameback
- xlv. Indian Silverbill

xlvi. Palm Swift

- xlvi. Palm Swift
- xlvii. Craig Martin
- xlviii. Golden Oriole

c. Reptiles

- i. Common Garden Lizard
- ii. Brook's Gecko
- iii. Northern Hose Gecko
- iv. White-spotted Skink
- v. Common Snake Skink
- vi. Common Monitor Lizard
- vii. Indian Flapshell Turtle
- viii. Indian Rat Snake
- ix. Spectacled Cobra
- x. Common Sand Boa
- xi. Common Wolf Snake
- xii. Common Krait
- xiii. Red eared slander turtle

22. Media Coverage:

City Nature

CEE Nature Buddiesએ સુંદરવનની મુલાકાત લીધી

સિદ્ધી લાઈફ ► સેન્ટર ફોર એન્વાયર્નમેન્ટલ એજ્યુકેશન(CEE)ના પ્લાનેટ ડિસકવરી સેન્ટર સાથે જોડાયેલા સ્કૂલના વિદ્યાર્થીઓએ સિદ્ધીના સુંદર વનની મુલાકાત લીધી હતી. સુંદરવનમાં જઈને બાળકોએ વિવિધ પ્રાણીઓ અને વન્ય જીવનસૃષ્ટિ વિશે માહિતી મેળવી હતી. આ સાથે પ્રાણીઓ ખોરાકમાં શું લે છે? તેવો કેવી રીતે ક્યા ખોરાક પર રહીને પોતાનું જીવન વિતાવે છે? તે વિશે માહિતી મેળવી હતી. સ્કૂલના ભૂલકાંઓને પ્રાણી કે પક્ષી બચકું તો નહીં ભરી લે ને? તેનો ડર રહેતો હોય છે. બાળકોમાં રહેલા આ ડરને દૂર કરવા માટે સુંદરવનના એક્સ્પર્ટ દ્વારા પ્રાણીઓને હાથમાં રમાડવા આપીને વિદ્યાર્થીઓની અંદર રહેલા ડરને દૂર કર્યો હતો. વિદ્યાર્થીઓ પ્રાણીઓના પ્રકાર અને તેની લાક્ષણિકતાઓ વિશે પણ સમજ્યા હતા. ખાસ કરીને સ્કૂલના વિદ્યાર્થીઓએ સસલાને હાથમાં પકડી રમાડવામાં ખૂબ આનંદ મેળ્યો હતો. શાહુડીના આકાર જોઈને ઘણા બાળકોની અંદર જિજ્ઞાસાવૃત્તિ ઉત્પન્ન થઈ હતી કે આ શાહુડીનું શરીર આવું કેમ હોય છે. એક્સ્પર્ટ દ્વારા શાહુડી પોતાના સ્વભાવવા માટે કેવી રીતે કાંટાઓ ગોળીની જેમ છોડે છે તે અંગે પણ સમજાવવામાં આવ્યું હતું.



03/10/2020

20 કિલો પ્લાસ્ટિક વેસ્ટ ભેગું કરાયું



સીઈઈ અને સુંદરવન દ્વારા 2થી 8 ઓક્ટોબર વાઈલ્ડ લાઈફ વીક દરમિયાન વિવિધ પ્રવૃત્તિ થશે. જેમાં પહેલા જ દિવસે સુંદરવનમાં કિલનલેસનો પ્રોગ્રામ યોજાયો હતો. જેમાં 20 કિલો પ્લાસ્ટિક અને વેસ્ટ કલેક્ટ કરવામાં આવ્યું હતું. જેમાં સુંદરવન ટીમ અને અન્ય વોલન્ટિયર્સ જોડાયા હતા. 4 ઓક્ટોબરે સ્નેક અવરનેસ, 5મીએ સુંદરવનની વચ્ચુંઅલ ટ્રીપ, 8મીએ વચ્ચુંઅલ ક્વિઝ જેવા પ્રોગ્રામ પણ યોજાશે.

Ahmedabad Mirror
1st October, 2019

24/05/2020

They opened their heart, purse strings for Sundarvan

After Mirror published article on the mini zoo struggling to meet the upkeep of animals and birds, donations have poured in



Madha Bhett
@madhadhett

Generation Andarva has come forward to aid Sundarvan, a mini zoo, next to Daboi on Saurashtra Road. The centre which closed for public during the lockdown had been struggling to meet the upkeep of animals and birds. After Ahmedabad Mirror published the story of Sundarvan, "You can see those animals from morning till night. Many donations amounting to Rs 93,700 have poured in."

Madha Bhett said, "We have a lot of compassion for animals and have money attached with Sundarvan. I read the article in Mirror and thought I would help in whatever capacity I can," said Madha Bhett.

Alfa Shah (45), an IT professional and a resident of Bopal has adopted a cow and is taking care of the reptile and bird. "My 10-year-old clearly told me that we were 'helpless' and which is hard to see. In response to the article, Sundarvan is demerol, and I can see animals and feed them."

Binu, Sanku, Chh, Ishan and other staff members have adopted public, such as goat, low birth, guinea pig

The donations were used for the hour as no visitors, no camping and no birthday or celebrations were taking place

Sundarvan programme coordinator, Sundarvan and pigpen for a month. Pradipkumar and his wife, Nisha (45) donated Rs 1,000 to support the centre after taking her daughter, son to Sundarvan. "We can't see them struggling," said Pradipkumar.

Deepthi, education officer at Sundarvan said, "There are contributions on what public persons and parks will open. One can contribute by transferring money, providing vegetables, fruit or even adopt animals. We received donations of Rs 93,700 after the article was published."

Earlier, Sundarvan, founded by Sundarvan Bhaskar Andarva for their grandchildren during the Covid-19 pandemic.

શ્રેષ્ઠ 20 શાળાને 50 હજારનું ઈનામ જૈવવિવિધતાનો ટીચર્સ ટ્રેનિંગ પ્રોગ્રામ યોજાયો

સિદ્ધી રિપોર્ટર | હમણાં જ અમદાવાદ જિલ્લાના દસકોઈ તાલુકાના આશરે 36 શાળાના શિક્ષકોએ 'અર્થિયન ટીચર્સ ટ્રેનિંગ પ્રોગ્રામ'માં ભાગ લીધો હતો. તેમાં ટકાઉપણું અને જૈવવિવિધતા વિષય પર શિક્ષકોને તાલીમ આપવામાં આવી હતી.

આ કાર્યક્રમનો મુખ્ય ઉદ્દેશ્ય વિદ્યાર્થીઓમાં જૈવવિવિધતા અને સંરક્ષણ અંગે જાગૃતિ ફેલાવવાનો હતો. આ પ્રવૃત્તિઓ તે રીતે બનાવવામાં આવી છે કે જેથી વિદ્યાર્થીઓ તેમના અભ્યાસક્રમ સાથે શિક્ષણાધિકારી પિન્કેશ પટેલ અને સુંદરવનના શિક્ષણ અધિકારી દીપ શાહે સંયુક્તપણે આ તાલીમ કાર્યક્રમનું આયોજન કર્યું હતું. જેના દ્વારા શિક્ષણને વેગ મળી શકે.

09/05/2020

You can save these animals from starving

With gates closed for visitors, Sundarvan loses revenue from ticket sales and activities; appeals to public to donate for survival

Megha Bhatt
amfeedback@timesgroup.in
TWEETS @ahmedabdmirror

There was some uncertainty in the air when Sundarvan closed its gates for visitors on March 25 after lockdown was announced. But not, that uncertainty has snowballed into full-blown existential crisis. The centre, which relied on income from sale of tickets and fees from activities organised on its campus for its day-to-day management, is struggling to cope with the losses, pegged at Rs 4 lakh a month in summer months. The authorities are now appealing to people for funds to take care of birds, mammals, reptiles and the centre itself.

Sundarvan has been recognized as a mini zoo by Central Zoo Authority. It has birds like ducks, geese, lovebirds, diamond dove, fighter cock, black turkeys and mammals like Indian Crested Porcupine and hedgehog. Besides these, there are about 1,200 fruit bats on trees on the campus. The reptile section has venomous snakes such as Indian cobra,



Sundarvan has been recognized as a mini zoo by Central Zoo Authority

Common Krait, Russell Viper and the non-venomous Indian Rock Python. It also has African Slender Snouted Crocodile, monitor lizard, turtle and tortoise. Besides, there is an adventure park with activities like Burma bridge crossing, Commander net, hanging bridge and so on. There is an aquarium too. Summers are when the centre regis-

ters maximum footfall, both individually and in groups. Deep Shah, education officer at Sundarvan, said, "The centre is closed since March 25. Besides me, there is a park manager, three animal keepers, two cleaners, one administrative staff and a clerk here. During summer, we have overnight camps for kids aged 6-12. There are two batches of

To adopt an animal...

If you are interested in adopting animals, visit www.sundarvan.org. The menu offers an animal adoption offer. Click on it, fill in your details, the animal you want to adopt, and for how long you want to adopt it. Once you send the request, Sundarvan authorities will get in touch with you

30 kids each for these camps for which we charge Rs 1,000 per kid. Then there is a day camp for kids between 6 and 10 years of age, for which we charge Rs 800 per child. However, this year all of it has gone for a toss." According to Shah, during summer around 1,600 people visit the centre on weekends and around 300 on weekdays. Entry tickets for school children below 12 is Rs 15 while it is Rs 20 for those above 12 and Rs 30 for adults. Shah added that the number of visitors drops during monsoon as it is a forest area and tends to get muddy.

Talking about the finances, he said,

"We are facing income crunch. We have appealed to Amdavadis to donate for the centre. We have to feed the animals, pay electricity and security bills, staff salary, etc. We have been getting grains and vegetables from a contractor but haven't been able to pay the bill. We have committed to pay them once we open."

Kartikeya Sarabhai, founder of Sundarvan, said, "Nature and human progress always go hand in hand. With Covid-19, we all have felt that we are one family of different species. It is the time to protect the centre which has given people wider connectivity with nature. I wish people donate as per their capacities." Sureshbabu, programme coordinator at Sundarvan, said, "This is the only place in the city with 3.5 acres of green cover in the city where children can come and be near animals. It was inaugurated by Dr. Salim Ali in 1978 and is the sister organisation of Centre for Environment Education. We have an annual footfall of around 1 lakh." Those wishing to make a donation can visit its website www.sundarvan.org. Currently, only online payment is accepted.

GREEN BIRTHDAY CELEBRATION
CITY BHASKAR - DIVYA BHASKAR
21/12/20

સુંદરવનમાં યંગસ્ટર્સનું ગ્રીન સેલિબ્રેશન

યંગસ્ટર્સને આ સેલિબ્રેશનમાં વોલેન્ટિયર દ્વારા બર્ડ્સ અને સર્પની અવરનેસ પણ આપાઈ લોકો મેળાવડામાં જવાને બદલે હવે પ્રકૃતિ તરફ વળ્યાં છે

અમદાવાદ | ઈસરો રોડ પર આવેલા સુંદરવન ખાતે હમણાં જ એક ગ્રુપ દ્વારા ગ્રીન સેલિબ્રેશન યોજાઈ ગયું. આ સેલિબ્રેશનમાં પ્રકૃતિપ્રેમીઓ અને 50 જેટલા યંગસ્ટર્સ જોડાયા હતાં. તેમણે વિવિધ બર્ડ અને સર્પ અંગેની જાણકારી મેળવી હતી. આ સાથે આ ગ્રુપે પક્ષીઓને નજીકથી હાથમાં લઈને દાણા પણ ખવડાવ્યા હતાં. તેમાં વોલેન્ટિયર રિપલ જાની અને દીપ શાહ પણ જોડાયા હતાં. સુંદરવન પશ્ચિમ અમદાવાદ માટે મિની ઝૂ સમાન છે ત્યારે કેટલાક શહેરીજનો અહીં વિવિધ સેલિબ્રેશનમાં જોડાયા છે અને તે રીતે તેઓ પ્રકૃતિ સાથેનું તાદાત્મ્ય કેળવે છે.

ગ્રીન સેલિબ્રેશન અંગે વાત કરતાં સુંદરવનના દીપ શાહે કહ્યું કે, 'આ એવું પ્લેસ છે જ્યાં તમે પક્ષીઓ સાથે રમી શકો છો અને તેની જાણકારી પણ મેળવી શકો છો. જો કે કોરોનાકાળમાં અહીં આવનારની સંખ્યા ઘટી છે એટલે અમે વિવિધ અવરનેસ કાર્યક્રમ કરીને વધુને વધુ શહેરીજનો સુંદરવન સાથે જોડાય તેનું પ્રયાસ કરીએ છીએ.'



● 'કોરોનાકાળમાં શહેરીજનો મેળાવડામાં જતા ડર છે તેને બદલે તેઓ હવે પ્રકૃતિ તરફ વળ્યાં છે. સુંદરવનમાં યોજાયેલા આ સેલિબ્રેશનમાં યંગસ્ટર્સને સર્પ અંગેની જાણકારી આપવામાં આવી હતી. 90 ટકા લોકો સાપની જાણકારીના અભાવને લઈને ડરતાં હોય છે પણ તેનાથી ડરવાની જરૂર હોતી નથી તે અંગેની જાણકારી તેમને આપવામાં આવી હતી. -રિપલ જાની, વોલેન્ટિયર

Sundarvan Nature Discovery Centre, Ahmedabad

Annual Inventory Report																					
SCH - 1 & SCH - 2 (Wildlife Protection Act)																					
		Opening stock as on 1/04/2020														Closing stock as on 31/03/2021					
Sr. No.	Species	M	F	U	T	Birth			Acquisition			Disposal			Death			M	F	U	T
						M	F	U	M	F	U	M	F	U	M	F	U				
	REPTILES																				
1	Indian Cobra <i>Naja naja</i>			6	6															6	6
2	Common Indian Monitor <i>Varanus bengalensis</i>			2	2															2	2
3	Indian Rock Python <i>Python molurus</i>	2	5	0	7										1	2	4			0	7
4	Common Rat Snake <i>Ptyas mucosus</i>			5	5					1										6	6
5	Checkered Keelback <i>Xenocrophis piscator</i>			3	3															3	3
6	Russell's Viper <i>Doboia russelii</i>			1	1															1	1
	TOTAL REPTILES	2	5	17	24					1					1	2	4		18	24	
	TOTAL ANIMALS	2	5	17	24					1					1	2	4		18	24	

Park Manager

Annual Inventory Report

SCH - 3 & SCH - 4 (Wildlife Protection Act)

Sl. No.	Species	Opening stock as on 1/04/2020																Closing stock as on 31/03/2021			
		M	F	U	T	Birth			Acquisition			Disposal			Death			M	F	U	T
						M	F	U	M	F	U	M	F	U	M	F	U				
	MAMMALS																				
1	Indian Porcupine	1	1	1	4													2	1	1	4
	<i>Hystrix indica</i>																				
2	Pale Hedgehog	1	1		2													1	1		2
	<i>Paraechinus mieropus</i>																				
	TOTAL MAMMLAS	2	2	1	6													3	2	1	6
	REPTILES																				
3	Red Sand Boa	1	1		2													1	1		2
	<i>Eryx johni</i>																				
4	Common Sand Boa	1	1		2													1	1		2
	<i>Eryx conicus</i>																				
5	Common Indian Krait			6	5			1												5	5
	<i>Bungarus caeruleus</i>																				
6	Saw-scaled Viper	1	1		2													1	1		2
	<i>Echis carinatus</i>																				
7	Star Tortoise			20	20															20	20
	<i>Geochelone elegans</i>																				
	TOTAL REPTILES	3	3	25	31			1										3	3	26	32
	TOTAL ANIMALS	5	5	26	37			1										6	5	27	38

Park Manager

Annual Inventory Report - Exotic Animals

Sl. No.	Species	Opening stock as on 1/04/2020				Closing stock as on 31/03/2021															
		M	F	U	T	Birth			Acquisition			Disposal			Death			M	F	U	T
	REPTILES					M	F	U	M	F	U	M	F	U	M	F	U				
1	African Slender-snouted Crocodile	0	2	0	2													0	2	0	2
	<i>Mecistops cataphractus</i>																				
2	Red eared Slider Turtle	3	3	0	6													3	3	0	6
	<i>Trachemys scripta</i>																				
	Total Reptiles	3	5	0	8													3	5	0	8
	Birds																				
1	Cockateil			46	46															46	46
	<i>Nymphicus hollandicus</i>																				
2	Java Finch			12	12															12	12
	<i>Lonchura oryzivora</i>																				
3	Budgerigar			145	145															145	145
	<i>Melopsittacus undulatus</i>																				
4	Love Birds																				
	<i>Agapornis roseicollis</i>			14	14															14	14
	TOTAL REPTILES	3	5	0	8													3	5	0	8
	TOTAL ANIMALS	3	5	217	225													3	5	217	225

Park Manager