

LION SAFARI PARK, NEYYAR

Annual report for the year
2018-19

LION SAFARI PARK, NEYYAR

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1. Report of the Officer-in-charge

The Neyyar Wildlife Sanctuary falls between 8°17' and 8°53'N latitude and 76°40' and 77°17'E longitude and is located in the Thiruvananthapuram District of Kerala. The Neyyar Wildlife Sanctuary has an area of 128 sq.Km which is on the western slope of the Southern Western Ghats. The river Neyyar originates from the Agasthyamala peak, which the legends say is the home of sage 'Agasthya'. The water in Neyyar is therefore considered as Ghee and hence the name 'Neyyar'. The area was previously part of the Thiruvananthapuram Forest Division up to 1982. During 1982, a separate Wildlife Division was formed with Headquarters at Thiruvananthapuram for better administrative control and effective management of the sanctuary. The Lion Safari Park has an area of 4 hectares.

The Lion Safari Park is managed by the Assistant Wildlife Warden, Neyyar Wildlife Sanctuary. There were Two lioness in the park during the financial year 2018-19 and one of them died on 08/02/2019. During the year 2018-19, a total of 58525 guests visited the Park which includes both Indians and foreigners. During this period an amount of Rs. 9439162/- was generated at the Park.

2. History of the zoo

The Lion Safari Park was established in 1984 at Marakkunnam, Kattakkada Taluk of Thiruvananthapuram district and was opened to public on January 1985. The Lion Safari Park is one of the major tourists' attractions in Thiruvananthapuram district and is visited by a large number of visitors annually. Initially there was one Lion and three Lionesses brought from Thrissur Zoo. Later three offsprings were produced which included one male and two females taking the total number to seven. Presently there are two lions (One Male and One Female) in the park. The park is carved out from the Neyyar Wildlife Sanctuary area and spread across ten acres of land which is fenced all along its boundary. It is situated at Marakunnam which is situated four kilometers away from the Head Quarters of the Neyyar Wildlife Sanctuary. An approach road is constructed from the mainland and through the Lion Safari Park where in the tourists are taken in by specially built safari vehicle (minibus) assuring maximum safety of the visitors and also enables them to get a close view of the Lions.

3. Vision

Lion safari park, Neyyar, focuses on conservation and to fight against the extinction of lion.

4. Mission

- Support conservation of lions.
- To provide opportunities for scientific studies useful for conservation
- To educate the local community about conservation and involve them in our activities to create an awareness of sustainability and the complexities of the world of life

5. Objectives

- The education of learners, students and the general public in conservation and conservation-related activities;
- The promotion of scientific research and development in the wildlife conservation field;
- The treatment and rehabilitation of wild animals that are brought to the centre;
- To promote environment conservation awareness and regulate nature based tourism

6. About us

Sl no	Particulars	Information
Basic information about the zoo		
1	Name of the zoo	Lion Safari Park, Neyyar
2	Year of establishment	1984
3	Address of the zoo	The Wildlife Warden, Thiruvananthapuram Wildlife Division, Forestry Complex, Rajiv Gandhi Nagar, Vattiyoorkavu P.O, Thiruvananthapuram, Kerala. 695013
4	State	Kerala
5	Telephone number	0471 2360762
6	Fax number	

7	e-mail address	ww-tvm.for@kerala.gov.in
8	Website	http://www.forest.kerala.gov.in/index.php/wildlife/2015-03-16-09-50-24/2015-06-26-09-04-29/neyyar-wildlife-sanctuary
9	Distance from nearest	Airport:35 kms
		Railway station: Thiruvananthapuram – 30 kms
		Bus stand: Kattakkada – 11 kms; Thiruvananthapuram – 30 kms
10	Recognition valid up to (Date)	27/09/2019
11	Category of zoo	Mini Zoo
12	Area (in Hectares)	4 Hectares
13	Number of visitors (Financial year)	Adult: 45424
		Children: 11656
		Total Indians: 57080
		Adult: 1393
		Children: 52
		Total foreigners: 1445
		Total visitors: 58525
14	Visitors facilities available in zoo	Accommodation, Trekking, Restaurant, Boating, Bus facility inside Safari park
15	Weekly closure day of the zoo	Monday
Management personnel of the zoo		
16	Name with designation of the officer-in-Charge of the Zoo	Shri.J.R. Ani Wildlife Warden, Wildlife Division, Thiruvananthapuram e-mail: ww-tvm.for@kerala.gov.in
	Name of the Veterinary Officer	Dr. Shiju S.V, Asst. Forest Veterinary Officer
	Name of the Curator	
	Name of the Biologist	

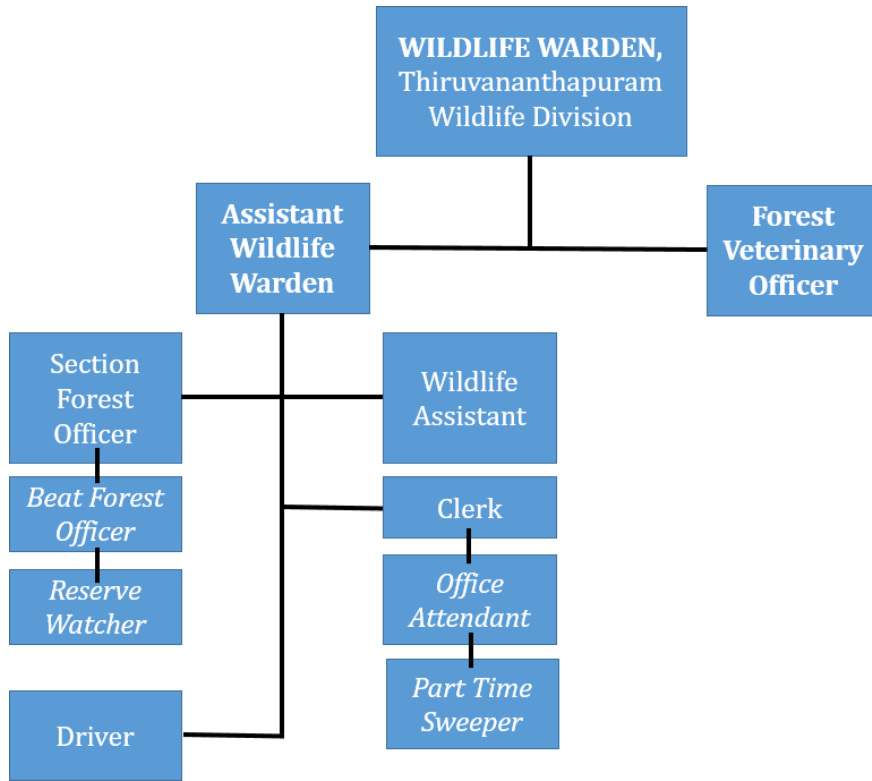
	Name of the Education Officer	
	Name of the compounder /lab assistant	
Owner/operator of the zoo		
17	Name of the operator	The Additional Chief Secretary
18	Address of the operator	Forests and Wildlife Department, Government of Kerala
19	Contact details/ phone number of operator	0471- 2517378, 2330363
20	e-mail address of operator	acs.forest@kerala.gov.in

*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 y 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
- IV. territory administration shall be deemed to be the zoo operator

7. Organizationalchart



8. Humanresources

Sl. no.	Designation	Number of sanctioned posts	Names of the incumbent
1	Wildlife Warden	1	ShriJ.R.Ani
2	Asst. WildlifeWarden	1	ShriG.Sandeep Kumar.
3	Wildlife Assistant	1	Aswathy Raj .R
4	Section Forest Officer	7	1) D.S.Sunil 2) A.Sreekumar 3) Anukrishan 4) A.ShahulHameed 5) L.Shaji 6) R.Ratheesh Kumar 7) S.Sajjayan
5	Beat Forest Officer	12	1) V.Pradeep 2) S.L.Sindhu 3) J.Shaji 4) K.J. SunilKumar 5) Divya S.K.Nair 6) Revathy .G 7) Athira Nair 8) Aswathy L.V 9) Archana V.S 10) Divya jasmine M.G 11) C.Sabu
6	Reserve Watcher	2	1) Rajesh. L.R.
7	Clerk	1	1) A.K.Sugandhakumar
8	Driver	2	1) Pradeep 2) Y.Vijayan
9	Office Attendant	1	1) Jyothish Kumar
10	Part time sweeper	2	1) Suja Jose 2) L.Indhira
11	Boat Driver	2	1) Baiju B. 2) Rajendran
12	Watcher cumcook(IB)	1	1) Baiju K.

9. Capacity building of zoo personnel

The officials and staff will be nominated regularly for the “Keepers Training” and “Zoo Management Training” organized by the Central Zoo Authority and Wildlife Institute of India. Exposure and hands on training will be provided to lower staff by sending them to other Zoos.

Sl. no.	Name and designation of the zoo personnel	Subject matter of training	Period of training	Name of the institution where the training attended
1	R. Jayachandran, Forest Watcher	Training programme for Zoo keepers for southern region	18 th to 22 nd march 2019	Nehru Zoological park, Hyderabad , Telengana in collaboration with the CZA

10. Zoo advisory committee

- a. Date of constitution
- b. Members
- c. Dates on which meetings held during the year

11. Health advisory committee

- a. Date of constitution
- b. Members
- c. Dates on which meetings held during theyear

12. Statement of income and expenditure of the zoo

Total income	= Rs.94,39,162/-
Total cost for food (beef)	= Rs. 6,43,927/-
Total cost for construction/ renovation	= Rs. 187574/-
Wages of mazdoors	= Rs. 3,99,645/-
Total expenditure	= Rs.12,31,146/-

13. Daily feed schedule of animals

Sl no.	Species	Feed item	Quantity	Day of fasting
1	Asiatic Lion (Female)	Beef	3.5 kg	Monday

14. Vaccination schedule of animals:

Sl no	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Asiatic Lion	Feline Rhinotracheitis- Calici-Panleukopenia	Felocell; Double dose as a single injection	Annually	

15. Deworming schedule of animals

Routine examination of fecal samples for parasites and ova of parasites are being done at regular intervals and as per the advice of the Forest Veterinary Officer deworming is done.

16. Disinfection schedule

Daily done as per advice of Forest Veterinary Officer

Sl no.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection

17. Health check-up of employees for zoonotic diseases

Annually the personnels in direct contact with animals are routinely checked for zoonotic and contagious diseases at Public Health Laboratory

Sl no.	Name	Designation	Date of Health check up	Findings of health check up

18. Development works carried out in the zoo during the year

- Weeding works and tree branch pruning
- Electricity connection
- Maintenance of pump set, water supply system and generator

19. Education and awareness programmes during the year

Conducting Regular camps, distributing brochure, interpretation centres, sign boards

20. Important events and happenings

World environment day

21. Seasonal special arrangements for upkeep of animals

Since there are no drastic changes in environmental temperatures no seasonal special arrangements are made.

22. Research work carried out and publications

Behavioural study and publishing articles in journals

23. Conservation breeding programme of the zoo

Not yet started

24. Animal acquisition/transfer/exchange during the year:

Nil

25. Rescue and rehabilitation of wild animals carried out by the zoo

Strayed Panther was rescued and housed in the quarantine section of the facility

Sl no.	Date of rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of submission of report to the CWLW/ CZA	Action taken	
					Date and place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	02/09 /2017	Panther, (1:0:0:1)	Chalakydy, Pariyaram range, Kerala	28/03/18	2/10/2018 Achankovil Division, Kanayar Range, Pulikkyaram area	
2	17/01/2019	Tiger (0:1:0:1)	Wayanadu Wildlife sanctuary, Sulthanbethery Range, Naykatti Forest Station Thelampatta area	15/01/2019		Permission awaited from Chief Wildlife Warden.

26. Annual inventory of animals Form –II

[See Rule 11(1)] Part – A

Inventory Report for the Year: 2018-19 Endangered species

Sl no.	Animals name	Scientific name	Opening stock as on 01/04/2018				Births			Acquisition			Disposal			Death			Closing stock as on 31/03/2019			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Asiatic lion	<i>Panthera leo</i>	0	2	0	2	-	-	-	-	-	-	-	-	-	0	1	1	0	1	0	1

Part – B

Other than endangered species

Sl no.	Animals name	Scientific name	Opening stock as on	Births	Acquisition	Disposal	Death	Closing stock as on

27. Mortality of animals:

Sl no.	Animal name (with individual identification mark, if any)	Scientific name	Sex	Date of death	Reason of death as per the post-mortem report
1	Asiatic Lion	<i>Panthera leo</i>	Female	08/02/2019	Asphyxia resulting from the pulmonary dysfunction due to intraabdominal pressure consequent to ascites

28. Compliance with conditions stipulated by the Central zoo authority

Sr. No	Norm No. Under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo	Status with regard to compliance as noted physically by the evaluator during the visit
1. General Requirements						
1	1.4	The Safari Park should strengthen the perimeter chain link mesh barrier to prevent the entry of feral dogs in the Safari Park (wherever it is broken)	Within six months	13/15.03.2012	Complied	

3. Development and Planning

2	3.6	Every zoo shall in consultation with the Central Zoo Authority, prepare a collection plan indicating the names of the species and maximum number of animals of each species to be housed in the zoo, having due regard to the congeniality of the climatic conditions of the locality for the general health and well being of the species, availability of the space and infrastructural support for upkeep and healthcare of the species, proximity of the zoo to the habitat range of the species and the past record of the zoo in management and breeding of the species and no zoo shall compromise on housing and upkeep standards of animals for accommodating new species or additional animals of the species in its collection.	With immediate effect	Not applicable	Under preparation	
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4. Animal housing, display of animals and animal enclosures

4	4.1	Every zoo shall endeavor to display the animals in nature immersing enclosures (i) The feeding and retiring cells of Lion should be modified and suitable species to be planted in front of cages to display animals in nature immersing enclosures.	Within six months	NA	Complied	
		(ii) Cubicles of Lions to be remodelled, the inner walls to be provided with tiles/granite slabs up to at least 2 meters height. Floor to be relaid with tiles/granite, covered with wooden plank (Takht) front portion of each cells to be provided with chain-link mesh to avoid crows and rats. The cells to be replaced with pucca cement slabs in place of GI sheets.	Within six months	NA	Complied	
5	4.2	Newly constructed paths should have same gradient.	With immediate effect	NA	Complied	

Sr. No	Norm No. Under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo	Status with regard to compliance as noted physically by the evaluator during the visit
6	4.3	The animal houses of lions should have chain link mesh and roof top to be replaced with concrete slab.	With immediate effect	NA	Complied	
7	4.3	(i) Lion animal houses have to be remodelled. Animal care takers passage should be provided with chain-link mesh or iron grills, keeping 2 m width of passage and single door to be provided with lock and key to prevent chances of animal escaping from the cubicles. It will provide doubleprotection. (ii) Roof top of the Lion animal house should be replaced with concrete slab of iron grills beneath the top cover.	With immediate effect With immediate effect	NA	Complied Complied	
8	4.7	Adequate screening shall be provided between adjacent enclosures to safeguard against the animals getting unduly excited or stressed due to visibility of animals housed in these enclosures. (In Lion enclosure)	Immediate	NA	Complied	
9	4.9	Every zoo shall provide appropriately designed and effective stand off barriers at every animal display enclosures to regulate the movement of the visitors in the zoo in a manner that facilitates the visitors in getting unobstructed view of wild animals, without reaching in the vicinity or proximity of the animals and getting the opportunity to physically touch or provoke the animals and shall also display adequate sign boards to keep a safe distance from the animals.	With immediate effect	NA	Complied	

10	4.10	Every zoo shall provide appropriate signage with relevant information on the biology, behaviour and the population status of the species in the wild at every display enclosure.	With immediate effect	NA	Complied	
11	4.10	Signage should be in English and local language.	With immediate effect	NA	Already done	
5. Upkeep and health care of animals						
12	5.3	Prophylactic vaccination and medicines as prescribed by local veterinarian should be carried out on regular basis as per the schedule.	With immediate effect	NA	Complied	
13	5.5	Every zoo operators shall ensure that the left over feed, excreta of animals and all other wastes are removed promptly from the feeding cells and kraals and the feeding cells and kraals are washed and disinfected as per the advice of the authorized veterinary officers and the solid and the liquid waste generated during the process shall be disposed off in such manner that has no adverse impact on the hygiene and cleanliness of the zoo and the landscape surrounding the zoo.	With immediate effect	NA	Complied	
14	5.8	Every zoo animals shall be screened for parasitic loads as per written schedule prepared by the zoo in consultation with the veterinary officer and prophylactic medicines administered as per clinical requirements and vaccination of animals against infectious diseases shall also be done, as per the schedule prescribed by the Veterinary Officer from time to time	With immediate effect	NA	Complied	

15	5.9	All staff involved with upkeep and healthcare of zoo animals shall be screened against zoonotic diseases once every year and those found positive to any communicable disease shall be provided appropriate treatment till they get cured and freed of the infection and during the period of such treatment, the infected employees shall be kept away from the responsibility of upkeep and healthcare of the animals.	With immediate effect	NA	Complied	
16	5.10	All records of the zoo should be maintained as per CZA prescribed formats	With immediate effect	NA	Complied	
6. Veterinary and infrastructure facilities						
17	6.4	Tranquilization of any animal shall be done exercising utmost care and following the standards specified in this regard by the Central Zoo Authority from time to time.	With immediate effect	NA	Complied	
18	6.6	Every zoo shall have linkages with the eminent institutions and organizations working in the field of wild animal healthcare with the objectives to provide for: (a) the training and upgrading technical skills of zoo staff; and (b) the development of protocols for preventive medicines and vaccination	With immediate effect	NA	Complied	
7. Post-mortem and disposal of carcasses of animals						
19	7.1	Every animal died in the zoo shall be subjected to a detailed postmortem examination by registered veterinarian to determine conclusively the cause of the death.	With immediate effect	NA	Complied	
20	7.2	The findings of the post-mortem examination referred to in sub-paragraph (1) shall be recorded in such format as may be prescribed by Central Zoo Authority and in this regard shall be maintained for a period of not less than six years.	With immediate effect	NA	Complied	

Sr. No	Norm No. Under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo	Status with regard to compliance as noted physically by the evaluator during the visit
21	7.3	In the event of the post mortem being inconclusive and no specific reason for death is identified, the zoo authorities shall send the samples of the tissues and organs, blood, viscera etc. for further examination to the qualified diagnostic laboratory having adequate specialization for further investigation and identifying the cause of death.	With immediate effect	NA	Complied	
22	7.4	Every zoo shall ensure that the carcasses of the animals, after the post-mortem has been conducted, is disposed off by burying or burning in a manner that does not have any adverse impact on the hygiene and cleanliness of the zoo: Provided that the carcasses of large cats shall be disposed off by burning in the presence of the Director of the zoo or any officer in the next rank to him and authorized by him in this behalf; Provided further that the carcasses of animals died due to Anthrax or such other communicable diseases shall not be opened and subjected to post-mortem, as a safeguard against spread of the disease. These shall be buried intact.	With immediate effect	NA	Complied	
9. Acquisition and breeding of animals						
23	9.1	Every zoo shall endeavor to keep and maintain animals of various species in their collection in such a sex ratio that optimizes breeding and helps in developing a self-sustaining population of each species.	With immediate effect	NA	Will be Complied	

24	9.5	For the purpose of transportation of animals from one place to another, the standards specified in this regard by the Central Zoo Authority shall be complied with	Within three months	NA	Complied	
25	9.8	Every zoo shall, with a view to prevent inbreeding and the loss of heterozygosity, the zoos shall maintain the animal history cards & stud and herd book for the animals of endangered species housed in the zoo and put appropriate identification marks and transfer or exchange animals with other zoos. <u>Lions housed in the park being of doubtful image</u> should be tested for its genetic purity in consultation with laboratory for conservation of endangered species (LaCONES), CCMB, Hyderabad and CZA.	Within three months	NA	Complied	
10. Research activities						
26	10.1	Every zoo shall endeavor to carry out collaborative research for evolving innovative strategies for providing the animals housed in the zoo a better quality of life, enhanced longevity, higher genetic and behavioural viability and improved reproduction potential and to achieve the said goal the every zoo, other than mini zoos, shall make arrangements for meticulous recording of data on the social behaviour, group dynamics and reproductive biology of the species housed in the zoo and developing a data base to be shared with other zoos and the identified institutions, in accordance with norms specified by the Central Zoo Authority in this regard.	With immediate effect	NA	Complied	

11. Education and outreach activities						
27	11.1	<p>Every zoo shall endeavour to educate the visitors to the zoo and the people at large about the significance of wildlife conservation for the general well being of the people and keeping the life support system of nature intact and the efforts shall be made to make people aware about the role played by the zoos in this regard and the ways and means through which general public can participate and contribute for the same.</p> <p>Besides, the park authorities to fix placards, pamphlets to educate the visiting mass. The sign boards should be attractive, educative and innovative for conservation of flora and fauna.</p>	With immediate effect	NA	Complied	
12. Visitor Facilities						
28	12.1	<p>Every zoo operator shall provide adequate civic facilities for visitors at appropriate and convenient places in the zoo including for physically disadvantaged persons and such facilities shall be so located that they do not mask or impact the view of enclosures</p> <p>(i) In Lion safari roads made for the transportation of the visitors should be widened to facilitate the free and easy movement of vans.</p> <p>End points of the roads should be widened for smooth turning of the visitors' vehicle to avoid any mishap. Weeds overgrown should be regularly cleaned for proper sighting of the animals.</p>	With immediate effect	NA	Complied	
30	12.3	<p>Arrangements should be made for free movement of person in wheel chair for viewing wild animals at various enclosures and access civic facilities.</p>	With immediate effect	NA	Being complied	

Other Observations						
35		Roads should be widened in Safari for Safari vehicles for free negotiations at curves.	With immediate effect	NA	Being complied	
36		The hybrid lions displayed in the Lion Safari Park are all aged and unfit for the Safari. The physically unfit lions should be not displayed.	With immediate effect	NA	complied	

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

- a. Mammals : 36species
- b. Birds : 229species
- c. Reptiles : 43species