



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
24 Parganas (South) Division
4th floor, New Administrative Building
12, Biplabi Kanailal Bhattacharjee Sarani
Alipore, Kolkata – 700 027. Tele & fax: (033) 2479
9032, Email – dfo24pgss.fd-wb@gov.in



No. / 26 Dated, Alipore the .2020


From :: The Ex-Officio Director,
Sundarban Wild Animal Park, Jharkhali &
Divisional Forest Officer,
24-Parganas South Division

To :: The Member Secretary
Central Zoo Authority,
B1 Wing, 6th Floor, Paryavaran Bhavan,
CGO Complex, Lodi Road
New Delhi-110003.

Sub :: Submission of Annual Report for 2018-19

Please find the enclosed Annual Report of Sundarban Wild Animal Park for the year 2018-19. This is for your kind information and necessary action.


Enclousre : as stated above,


Ex-Officio Director
Sundarban Wild Animal Park, Jharkhali
&
Divisional Forest Officer
24-Parganas (South) Division

No. / 26 Dated, Alipore the .2020

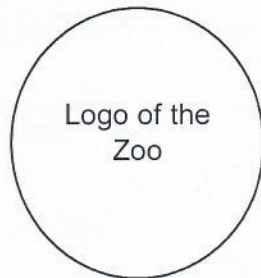
Copy forwarded for information to :

1. The Member Secretary, West Bengal Zoo Authority, West Bengal
2. The Joint Director, Sundarban Biosphere Reserve, West Bengal.


Ex-Officio Director
Sundarban Wild Animal Park, Jharkhali
&
Divisional Forest Officer
24-Parganas (South) Division

Sundarban Wild Animal Park Jharkhali

Annual Report for the year
2018-19



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1. Report of the Officer-in-charge

The Sundarban is the largest single block of tidal halophytic mangrove forest in the world. It is the deltaic area of lower Bengal and harbours a tropical estuarine swamp forest. Sundarban is a swampy land of distinct eco-system, which is very fragile. The tract is in a state of perpetual flux as a result of tidal rhythms superimposed with the cycle of seasons. The region is further subjected to vagaries of cyclonic storms often prevailing over the deltaic West Bengal. The forest is compact but criss-crossed by creeks and channels of varying widths and depths. The Sundarbans became a UNESCO World Heritage Site in 1999, most of which is situated in Bangladesh and the remaining in India. The Indian part of Sundarban region is located between 21°30' to 22°30'N latitude and 87°25' to 89°10'E longitude. The inter-tidal zone of Sundarban is bounded in the north by an imaginary line known as Dampier – Hodges line. Bay of Bengal is in the south, Ichamati, Kalindi and Raimangal rivers are to the east and river Hooghly in the west.

Historically, Sundarbans originated about 6000 years ago, measuring around 16,700 sq. km. It was declared as a Reserve Forest in 1875. The Bengali word “ban” means forest and the name “Sundarbans” was coined either from the forests of “sundari” tree i.e. ‘Sundari-ban’, or from the forests of the “samudra” (sea) i.e., ‘samudra-ban’, or from its association with the primitive tribe ‘chandra-bandhe’ of Sundarban. The generally accepted explanation, however, is its derivation from the ‘sundari’ tree.

Sundarban mangrove eco-system in the state of West Bengal, India is the estuarine phase of the Ganga as well as of the Brahmaputra river systems. The littoral forest is the only ecological habitat of the Tiger of its kind not only in India but also in the world, except in Bangladesh. The typical littoral forest of the Sundarbans comprises a host of tree species

adapted to the peculiar estuarine condition of high salinity, lack of soil erosion and daily inundation by high tides.

There is a rich assembly of faunal elements with the Indian Tiger being the flagship species. 2585 sq. km. forests in the eastern front form the Sundarban Tiger Reserve and 1679 sq. km. on the western side comprises of the South 24 Parganas Forest Division. The protection of the Sundarban mangrove ecosystem will have important significance for the future survival of the Bengal Tiger and other major species in the wild.

2. History of the Zoo

The earliest proposal for creation of Sundarban Wild Animal Park at Jharkhali as satellite facility of Zoological garden, Alipore was submitted in the year 2009-10. Accordingly, Department of R.R. & R, Government of West Bengal vide their Office order no. 126/PSEC/RRR/2013, dated – 26.07.2013 willingness to transfer 100 acres of land to forest department for setting up of a “Tiger Rescue Centre” at Jharkhali under Lot no. 126, P.S. – Basanti. The advance/permissive possession of 38.75 ha of land at Lot no. 126 of Jharkhali was given on 24.10.2013.

3. Vision

The Sundarban Wild Animals Park, Jharkhali (South 24 Parganas, West Bengal) will provide rewarding experience to the visitors about the wildlife of this region. The display, care and awareness will be of such level to promote conservation of wildlife.

The Sundarban Animals Park will endeavor to breed the endangered species for

display, exchange and rehabilitation in the wild. This animal park will be a showcase of rich biodiversity of sundarban mangrove in the state of West Bengal. As such the flora and fauna exist in their natural pristine glory, unhindered and unaffected.

4. Mission

The Sundarban Wild Animals' Park, Jharkhali (South 24 Parganas, West Bengal) intends to complement the national efforts in conservation of wildlife through breeding of endangered species of the region and to develop empathy among visitors for wild animals.

5. Objective

- a. A professionally run Park will serve a great variety of roles to benefit both the animals in display and the visiting public.
- b. Breeding programmes can help propagate endangered species and continue gene pools for species whose habitats have been obliterated.
- c. Educational programmes can help foster the respect that wild animals deserve and familiarize the visitors with the important role these animals play in the ecosystem.
- d. The park may have to serve as the last bastion for threatened and endangered species
- e. The objective of the park shall be the conservation of the rich biodiversity of the region i.e. Sundarban, as the animal species displayed shall be from the Sundarban mangrove eco-system only.

- f. To reduce the tourist pressure on the National Parks/Protected Areas.
- g. To create amongst the visitors empathy towards wild animals through appreciation and better understanding.
- h. To collect and collate the scientific data on the biology, behavior and health care of various species of wild animals displayed in the park and use the same in future management of the animals park.
- i. Recreation for the purpose of providing wholesome, healthy and educational activity to a large number of people by utilizing the outdoor natural setting without detriment to any of the preceding objectives.

6. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	SUNDARBAN WILD ANIMAL PARK
2	Year of Establishment	2011 (Rescue Centre for Tiger established)
3	Address of the Zoo	Herobhanga Camp-III, Jharkhali (45Km from Canning), Block-Basanti, 24-Parganas (South)
4	State	West Bengal
5	Telephone Number	(033) 2479 9032
6	Fax Number	(033) 2479 9032
7	E-mail address	dfo24pgss.fd-wb@gov.in
8	Website	No
9	Distance from nearest	Airport: 150 Km (Netaji Subhash Chandra Bose International Airport, Dum Dum)

S.No.	Particulars	Information
		Railway Station: 45 Km (Canning)
		Bus Stand: Jharkhali (5 Km)
10	Recognition Valid upto (Date)	27 th September, 2019
11	Category of zoo	'Mini Category Zoo'
12	Area (in Hectares)	40.46 Ha
13	Number of Visitors (Financial Year)	Adult :
		Children :
		Total Indian :
		Total Foreigners :
		Total Visitors: 144594 nos
14	Visitors' Facilities Available in Zoo	Eco Park, Children's ride, Toilet
15	Weekly Closure Day of the Zoo	Thursday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Santhosha G.R., IFS, Ex-Officio Director, Sundarban Wild Animal Park, Divisional Forest Officer, 24-Parganas (South) Division
	Name of the Veterinary Officer	Full time Veterinary Officer is engaged. Dr. Ashutosh Kumar Biswas, Veterinary Officer.
	Name of the Curator	No
	Name of the Biologist	No
	Name of the Education Officer	No

S.No.	Particulars	Information
	Name of the Compounder/ Lab Assistant	Mostafi Rahaman Laskar
Owner / Operator of the Zoo		
17	*Name of the Operator	West Bengal Zoo Authority
18	Address of the Operator	Aranya Bhawan, 7th Floor, LA-10A, Sector – III, Salt Lake City, Kolkata – 700 106, West Bengal
19	Contact details/Phone number of Operator	+91 33 23355010 (Direct), 23355011 (EPABX), FAX: +91 33 23350012
20	E-mail address of Operator	mwbza@gmail.com , wbzooauthority@yahoo.in

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

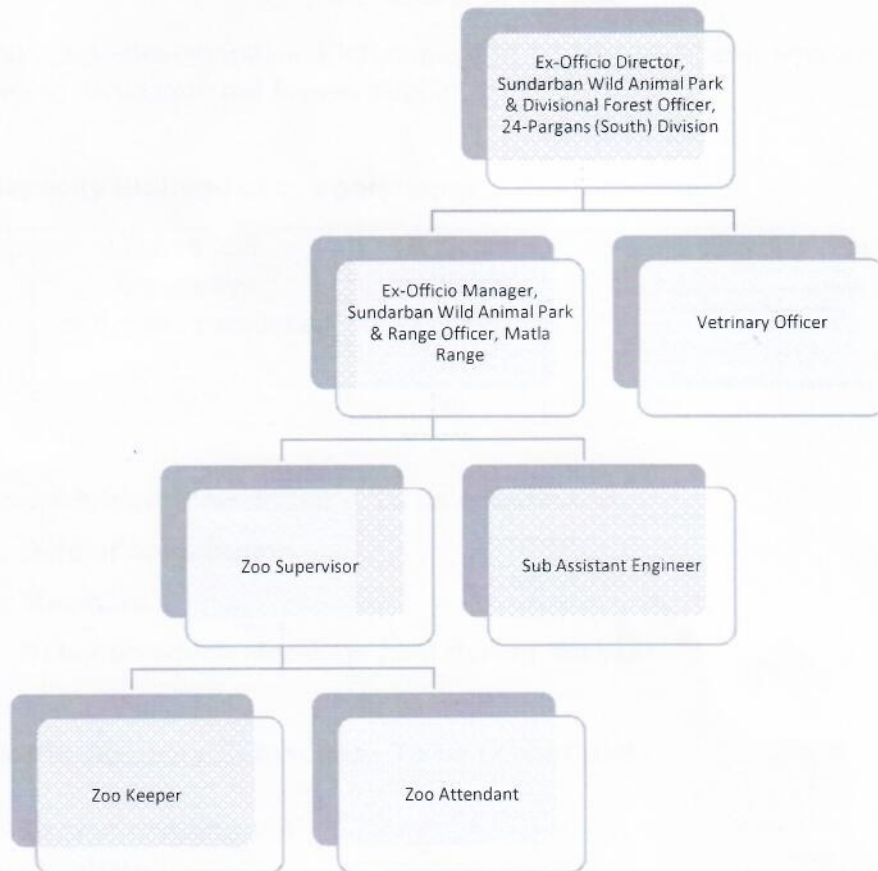
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that _____

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 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.

7. Organizational Chart



8. Human Resources

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Zoo Supervisor	1	Sri Niladri Sekhar Mitra
2	Sub Assistant Engineer	1	Sri Surath Ghosh
3	Zoo Keeper	8	1. Sri Bithis Das, 2. Sri Nirmal Haldar, 3. Sri Anadi Sarkar, 4. Sri Samrat Mali, 5. Sri Bibekananda Sardar
4	Zoo Attendant	8	1. Sri Pijush Barui, 2. Sri Aloke Pal
5	Night Watcher	12	
6	Garden Personnel	6	Sri Krishnapada Mahato

7	Office Assistant	1	Sri Swarup Kumar Das
8.	Vetrinary Officer	1	Dr.Ashutosh Kumar Biswas
9.	Vetrinary Assistant/Compounder	1	Mostafi Rahaman Lasker

Manpower of the Zoo*

*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

9. Capacity Building of zoo personnel

Sl.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
Nil	Nil	Nil	Nil	Nil

10. Zoo Advisory Committee – To be constituted

a. Date of constitution

b. Members

c. Dates on which Meetings held during the year

11. Health Advisory Committee– To be constituted

a. Date of constitution

b. Members

c. Dates on which Meetings held during the year

12. Statement of income and expenditure of the Zoo

Expenditure :

Allotment 2018-19 (in lakh)	Expenditure	Balance
Non Plan Fund	Non Plan Fund	Non Plan Fund

51,15,925.00	51,15,925.00	NIL
Plan Fund	Plan Fund	Plan Fund
74,59,064.00	74,59,064.00	NIL
Total	Total	Total
1,25,74,989.00	1,25,74,989.00	NIL

Note : Excess expenditure over income due to carry forwarded of balance from previous year

13. Daily feed Schedule of animals

Sl.No.	Species	Feed item	Quantity/ per day		Day of fasting
			Winter	Summer	
1.	Tiger (Male)	Beef (boneless)	5 Kg	5 Kg	Thursday
		Beef (with Bone)	2 Kg	2 Kg	
2.	Tiger (Female)	Beef (boneless)	3 Kg	3 Kg	Thursday
		Beef (with Bone)	3 Kg	3 Kg	
3.	Crocodile	Fish	10 Kg	10 Kg	Thursday
4.	Deer	Husk	250 grams		
		Gram (Chola)	250 grams		
		Molasses	100 grams		
		Oil Cake	100 grams		
		Maize	200 grams		
		Green vegetables	500 grams		
		Green Grass	750 grams		
		Black Salt	0.015		

14. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and	Periodicity	Remarks
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			dosage/ quantity used		
NIL	NIL	NIL	NIL	NIL	NIL

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1.	Tiger (male)	Prazi Plus	December 2018
		Hitek injection	January 2019
2.	Tiger (female)	Prazi Plus	December 2018
		Hitek injection	January 2019
2.	Deer	Al bomer liquid	March 2019

16. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Tiger	Cement Floor	Nymile/Pheynile	Everyday
		Foot Bath	Kmno4	Everyday
		Disinfection with Disinfectant	Formalin	Every 3 weeks interval
2.	Deer	Foot Bath	Kmno4	Everyday
		Washing of feeder drinking trough		
		Disinfection with Disinfectant	Formalin	Every 3 weeks interval

17. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1.	Bitish das, Nirmol Halder, Anadi Sarkar, Samrat Mali, Bibekananda Sardar	Zoo Keeper	04/08/2020	Everything found normal
2.	Pijush Barui, Alope Pal	Zoo Attendant		

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

Development Works	Project cost	Remarks
Construction of brick road under SWAP	Rs.94,43,809 Lakh	Completed
Construction of boundary wall	Rs.39,14,667 Lakh	Work is in progress.

19. Education and Awareness programmes during the year

No

20. Important Events and happenings

One female tiger was rescued on 14/08/2018 from Jharkhali I (STR) and brought to Sundarban Wild Animal Park and kept here till date as per instruction of higher authority.

21. Seasonal special arrangements for upkeep of animals : NIL

22. Research Work carried out and publications : NIL

23. Conservation Breeding Programme of the Zoo : NIL

24. Animal acquisition / transfer / exchange during the year

A.	Animals arriving in the Zoo				
	H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	1.	Deer	Male 5	Gharchumuk Deer Park, howrah Division	10.01.2019
			Female 17		
Total 22					
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo

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

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
NIL	NIL	NIL	NIL	NIL	NIL	NIL

26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year : 2018-19

Endangered Species*

S.No.	Animal Name	Scientific name	Opening Stock as on				Births				Acquisition				Disposal				Death				Closing Stock as on			
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
1.	Tiger	Panthera tigris tigris	1			1																	1	1		2

*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Part – B

Other than Endangered Species

S. No.	Animal Name	Scientific name	Opening Stock as on				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.	Crocodile	Crocodylus porosus	1	9		10														1	10		11
2.	Spotted Deer	Axis axis					7			5	17						8			12	9		21

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.	Crocodile	<i>Crocodylus</i>	Female	13.08.2011	
2.	Monkey	<i>Cercopithecidae</i>	Female	24.11.2018	
3.	Deer	<i>Axis axis</i>	-	12.02.2019	
4.	Deer	<i>Axis axis</i>	Male	12.02.2019	
5.	Deer	<i>Axis axis</i>	Female	12.02.2019	
6.	Deer	<i>Axis axis</i>	Female	12.02.2019	

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	Status with regard to compliance of the conditions

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

a. Mammals

Fishing Cat, Jungle Cat, Oriental Small-clowed Otter, Civet Cat, Indian Wild Pig, Squirrel, Rhesus Macaque, Mongoose, Rat etc.

b. Birds

Fulvus Breasted Wood Pecker, Common Flameback, Barbet, Common Hoopoe, Asian Openbill, Black Headed Ibis, Pond Heron, Little Egret, Little Cormorant, Goliath Heron, Gull, Common Sand Piper, Little Tern, Spotted Dove, Yellow Footed Green Pigeon, Black Caped Kingfisher, Collared Kingfisher, Pied Kingfisher, Common Kingfisher, Green Bee Eater, Small Minivet, Black Drongo, Black Hooded Oriole, Mangrove Whistler, Large-billed Crow, Red-vented Bulbul, Jungle Myna, Flycatcher, Purple Sunbird, Indian Roller, Red Wattled Lapwing, Brahmini Kite etc.

c. Reptiles

Water Monitor Lizard, Bengal Monitor Lizard, Indian Garden Lizard, Gecko, King Cobra, Monocled Cobra, Banded Krait, Common Krait, Buff-striped Kelleck Back, Indian Rat Snake, Checkered Kelleck Back, Common Wolf Snake, Russell Viper etc.

-----End of Report-----



Divisional Forest officer
24 Pgs (South) Division

&

Ex- Officio Director
Sundarban Wild Animal Park, Jharkhali

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