



Government of West Bengal  
Directorate of Forests  
Office of the Divisional Forest Officer  
24 Parganas (South) Division  
4<sup>th</sup> 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. 2543/26C-13/SWAP/ZOO. Alipore, dated 24.12.2020

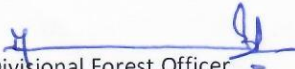
From : Ex Officio Director  
Sundarban Wild Animal Park  
&  
Divisional Forest Officer  
24 Pgs (South) Division

To : The Member Secretary  
Central Zoo Authority  
B-1 wing, 6<sup>th</sup> floor  
Paryavaran Bhawan,  
CGO Complex Lodhi Road  
New Delhi 110003

Sub : Annual Report during 2019-20 of Sundarban Wild Animal Park, Jharkhali reg.

Sir,


Enclosed please find herewith the Annual Report of Sundarban Wild Animal Park, Jharkhali for 2019-20. This is for your kind perusal and necessary action.

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

No. Alipore, dated 24.12.2020

Copy Forwarded for information to

1. The Member Secretary, WBZA
2. The Joint Director, Sundarban Biosphere Reserve

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



Annual Report of  
Sundarban Wild  
Animal Park,  
Jharkhali  
For the Year 2019-20

**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 ecosystem, 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.

**1. 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.

**2. 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.

**3. 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.

**4. Objective :**

A professionally run Park will serve a great variety of roles to benefit both the animals in display and the visiting public.

- a. Breeding programmes can help propagate endangered species and continue gene pools for species whose habitats have been obliterated.
- b. 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.
- c. The park may have to serve as the last bastion for threatened and endangered species

- d. 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.
- e. To reduce the tourist pressure on the National Parks/Protected Areas.
- f. To create amongst the visitors empathy towards wild animals through appreciation and better understanding.
- g. 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.
- h. 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.

## **5. About us**

<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
<b>Basic Information about the Zoo</b>		
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



S.No.	Particulars	Information
8.	Website	NA-
9.	Distance from nearest	Airport: 150 Km (Netaji Subhash Chandra Bose International Airport, Dum Dum) Railway Station: 45 Km (Canning) Bus Stand: Jharkhali (5 Km)
10.	Recognition Valid up to (Date)	27 <sup>th</sup> September, 2019 vide letter no. 19-224/93- CZA (322) (Vol.I)/1890/2017, dated – 02.11.2017.
11.	Category of zoo	'Mini Category Zoo'
12.	Area (in Hectares)	40.46 Ha
13.	Number of Visitors Allowed only till Eco-Park (Financial Year)	Adult : 1,42,234 nos. Children : - Total Indian : 1,42,234 nos. Total Foreigners : - Total Visitors: 1,42,234 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

S.No.	Particulars	Information
	Name of the Education Officer	No
	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	<a href="mailto:mwbza@gmail.com">mwbza@gmail.com</a> , <a href="mailto:wbzooauthority@yahoo.in">wbzooauthority@yahoo.in</a> <a href="mailto:df024pgss.fd-wb@gov.in">df024pgss.fd-wb@gov.in</a>

\* 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.*



8.	Garden Personnel	6	
9.	Accountant	1	Sri Swarup Kumar Das
10.	UDC	1	Sri Chandan Kumar Dey
11.	LDC	1	Sharmistha Pandey Das
12.	Vetrinary Officer	1	Dr.Ashutosh Kumar Biswas
13.	Vetrinary Assistant/Compounder	1	Mostafi Rahaman Lasker

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

**7. 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

**8. Zoo Advisory Committee – To be Constituted**

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

**9. Health Advisory Committee– To be Constituted.**

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

**10. Statement of income and expenditure of the Zoo - Income:- Nil.**

**Expenditure:**

<b>Allotment 2019-20 (in lakh)</b>	<b>Expenditure</b>	<b>Balance</b>
Non Plan: Opening Balance 2,75,463.68 plus Fund Received 1,02,01,675.00, Total 1,04,77,138.68	Non Plan: 78,55,714.44	Rs. 23,45,960.56
Plan: Rs. Opening balance 15,79,279.28 plus fund received 28,60,460.00, Total 44,39,739.28	Plan: 44,52,000.00	Rs. - (12,260.72)
Total: 1,49,16,877.96	Total: 1,23,07,714.44	Total: 23,33,699.84

**11. Daily feed Schedule of animals**

Sl.No.	Species	Feed item	Quantity / Per day		Day of fasting	Total Quantities
			Winter	Summer		
1.	Tiger (Male)	Beef with boneless	4 kg.	4 kg.	Thursday	6 kg.
		Beef with bone	1 kg.	1 kg.	Thursday	
		Dressed chicken	1 kg.	1 kg.	Thursday	
2.	Tiger	Dressed chicken	3.5 kg.	3.5 kg.	Thursday	4.5 kg.

	(Female)	Beef with boneless	1 kg.	1 kg.	Thursday	
3.	Crocodile	Fish	10 kg.	10 kg.	Thursday	10 kg.
4.	Deer	Husk	250 gm.			
		Gram (Chola)	250 gm.			
		Molasses	100 gm.			
		Oil Cake	100 gm.			
		Maize	200gm.			
		Green Vegetable	500 gm.			
		Green Grass	750 gm.			
		Black Salt	0.015 gm.			

## 12. Vaccination Schedule of animals

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

## 13. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1.	Tiger (Male)	Praziplus	05-07-2019 (July)
		Praziplus	09-08-2019 (August)
2.	Tiger (Female)	Praziplus	12-07-2019
		Praziplus	30-08-2019, 31-08-2019
3.	Deer	Albendazole (Albomour)	20-04-2019, 29-08-2019

## 14. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Tiger	Cement Floor	Nymile/Pheynile	Everyday
		Foot Bath	Potassium Permanganate	Everyday
		Disinfection with Disinfectant	Formalin/Kohrsolin TH	Everyday



2.	Deer	Foot Bath	Potassium Permanganate	Everyday
		Washing of feeder dressing & through		Everyday
		Disinfection with Disinfectant	Formalin/Kohrsolin TH	Everyday

**15. Health Check-up of employees for zoonotic diseases**

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1.	Mostafi Rahaman Laskar	Veterinary Assistant	-	-
2.	Bithis Das, Nirmol Halder, Anadi Sarkar, Samrat Mali, Bibekananda Sardar	Zoo-keeper	-	-
3.	Pijus Barui, Alope Paul, Ramen Mondal	Zoo Attendant	-	-

**16. Development Works carried out in the zoo during the year**

Development Works	Project cost	Remarks
Construction of brick road under SWAP	NA	NA
Construction of boundary wall	NA	NA

**17. Education and Awareness programmes during the year :**

Tiger Day Celebration programme on NA .

**18. Important Events and happenings :**

**19. Seasonal special arrangements for upkeep of animals :**

- (a) Usages of pedestal fan during summer season,
- (b) Provided wooden cot for keeping dry.

**20. Research Work carried out and publications : Nil**

**21. Conservation Breeding Programme of the Zoo: Nil**

**22. Animal acquisition / transfer / exchange during the year : No,**

A.	Animals arriving in the Zoo				
	H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	Nil				
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	Nil				

**23. 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
NIL	NIL	NIL	NIL	NIL	NA

**24. Annual Inventory of animals**

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year:

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	M	F	U	M	F	U	M	F	U	M	F	U	T		
1	Tiger	Panthera tigris tigris	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
2	Crocodile	Crocodylus porosus	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1
3	Deer	Axis axis	9	8	2	1															9	8	2	1
						9																		9

\*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			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Nil																						

**25. 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.	Deer	Axis axis	M	29.05.2019	internal Hamarege
2.	Deer	Axis axis	M	29.05.2019	Due to



					shock
3.	Deer	Axis axis	M	30.05.2019	Internal Hamarege
4.	Deer	Axis axis	F	25.08.2019	Respiratory Faliure
5.	Deer	Axis axis	F	19.09.2019	Cardiac Failure
6.	Deer	Axis axis	F	15.10.2019	Still Born
7.	Deer	Axis axis	M	29.12.2019	Still Born
8.	Deer	Axis axis	M	06.01.2020	Still Born
9.	Deer	Axis axis	M	12.03.2020	Still Born

**25.** 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

**26.** 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.

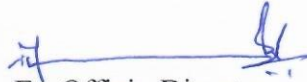
b. **Birds :**

Fulvus Breasted Wood Pecker, Common Flameback, Barbet, Common Hoop, Asian Openbill, Black Headed Ibis, Pond Heron, Little Egret, Little Cormorant, Goliath Heron, Gull, Common Sand Piper, Little Tern, Spotted Dove, Yellow Footed Green Pегion, 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 Kelleled Back, Indian Rat Snake, Checkered Kelleled Back, Common Wolf Snake, Russel Viper etc.

d. Others: Fiddler Crab, Rosy Fiddler Crab, Harmit Crab, Grapsid Crab etc.



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