

SUNDARBAN WILD ANIMAL PARK



**Annual Report
for the year
2021-22**

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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	-
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 upto (Date)	27 th September, 2021
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 : 22,798 nos.
		Children : -
		Total Indian : 22,798 nos.
		Total Foreigners :
		Total Visitors: 22,798 nos..

S.No.	Particulars	Information
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	Milan Kanti Mandal, WBFS, 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
	Name of the Compounder/Vateneiry Assistant	Mostafi Rahaman Laskar and Supravat Samui
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	mswbza@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 _____

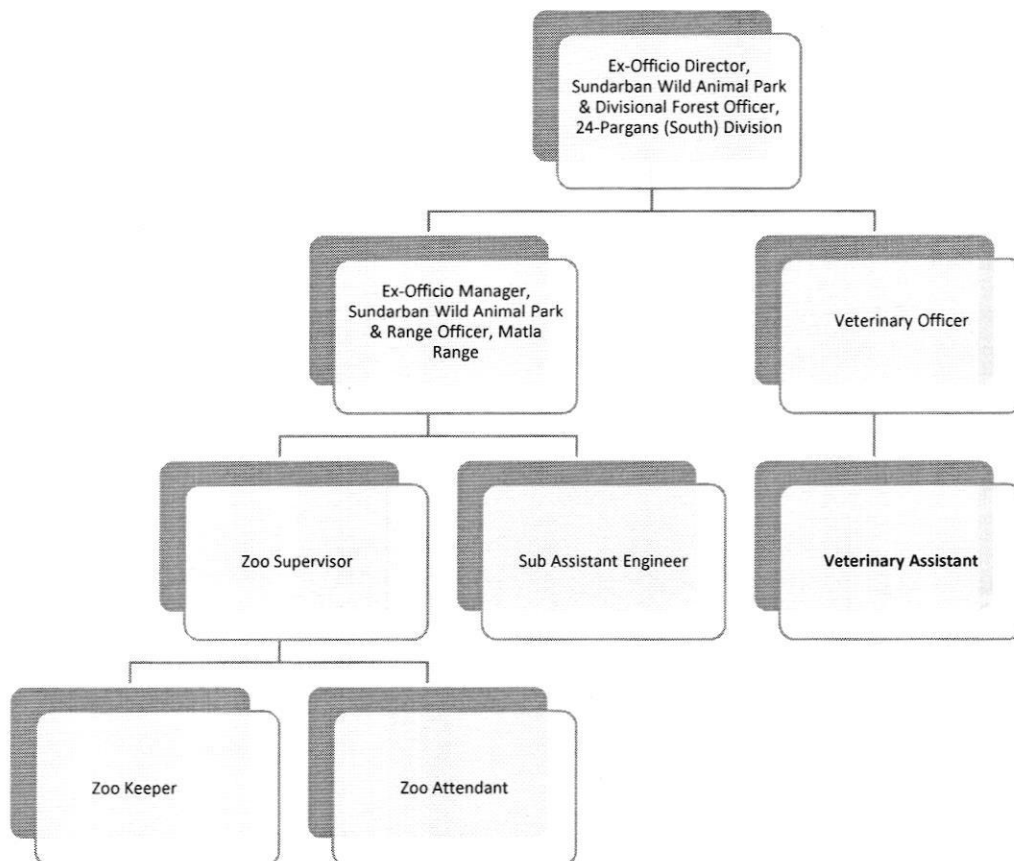
I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

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.

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

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Zoo Supervisor	1	Sri Ranjit Kr Biswas
2	Zoo Keeper	8	1. Sri Nirmal Haldar, 2. Sri Anadi Sarkar, 3. Sri Samrat Mali, 4. Sri Bibekananda Sardar
3	Zoo Attendant	8	1. Sri Pijush Barui, 2. Sri Alope Pal
4	Night Watcher	12	Sri Krishnapada Mondal,
5	Garden Personnel	6	Sri Krishnapada Mahato
6	Accountant	1	Sri Swarup Kr Das
7	UDC	1	Chandan Kumar Dey
8	Veterinary Officer	1	Dr.Ashutosh Kumar Biswas

10.	Veterinary Assistant/	1	Sri Supravat Samui From 15 th Nov. 2021
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*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

10. Zoo Advisory Committee –

- 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 - Income :- Nil.

13. Expenditure :

Allotment 2020-21 (in lakh)	Expenditure	Balance
Non Plan: Rs.2,17,62,134.00	Non Plan: Rs.1,88,66,240.00	Non Plan Rs 28,95,894.00
Plan: Rs.NIL	Plan: Rs.NIL	Plan: Rs.NIL
Total: Rs.2,17,62,134.00	Total: Rs.1,88,66,240.00	Total: Rs 28,95,894.00

14. Daily feed Schedule of animals

Sl.No.	Species	Feed item	Quantity / Per day		Day of fasting
			Winter	Summer	
1	Tiger (male) Tiger (female) New Tiger (male)	Beef with bone	1 Kg	1 Kg	Thursday
			1 Kg	1 Kg	
	Tiger (male) Tiger (female) New Tiger (male)	Beef without bone	5 Kg	5 Kg	Thursday
			4.5 Kg	4.5 Kg	
			6 Kg	6 Kg	
2	Crocodile	Fish	10 Kg	10 Kg	Thursday
3	Deer	Gram	250 gm	250 gm	No off day
		Wheet husk	250 gm	250 gm	
		Maize	200 gm	200 gm	
		Molassess	100 gm	100 gm	
		Master oil cake	100 gm	100 gm	
			0.015 gm	0.015 gm	
		Black salt	500 gm	500 gm	
		Vegetable	750 gm	750 gm	

15. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
	Tiger		Distemper Distemper		15.09.2021 06.10.2021

16.De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	Tiger (Male)	Tab Drontal plus Tab Drontal plus Hytek	07.08.2021 01.10.2022 25.03.2022
	Tiger (female)	Tab Drontal plus Tab Drontal plus Hytek	07.08.2021 13.02.2022 25.03.2022
	New Male Tiger	Tab Drontal plus Tab Drontal plus Hitex	13.02.2022 03.03.2022 25.03.2022
	Deer	Albomer Liquid Albomer Liquid	17.08.2021 19.03.2022

17.Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Tiger	Cement floor	Herbal Neem for floor cleaning inside the enclosure of animal.	Everyday
			Phenyl for drains cleaning	Everyday
			Potassium permanganate for staffs before entering inside the zoo.	Everyday

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18. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
	NA	NA	NA	NA

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

Development Works	Project cost	Remarks
Construction of boundary wall near crocodile pond	Rs 13,28,235.00	Completed

20. Education and Awareness programmes during the year :

Tiger Day Celebration programme on 29.07.2021.

Important Events and happenings: One male Tiger was rescued on 29.06.2017 from Herobhanga -9 compartment and brought to Sundarban Wild Animal Park as per the verbal permission obtained from the Principal Chief Conservator of Forests, Wildlife and Chief Wildlife Warden, West Bengal. It was examined by the veterinary doctors on 29.06.2017 early morning. The veterinary doctor advised to keep the animal in shelter for treatment till it is fit for release in natural habitat. Accordingly the tiger was kept under medical treatment till 25.10.2017. The said tiger was released at Ajmalmari – 10 on 26.10.2017. The report regarding this was submitted to the Principal Chief Conservator of Forests, Wildlife and Chief Wildlife Warden, West Bengal and the Member Secretary, West Bengal Zoo Authority vide letter no. 5258/26, dated – 06.07.2017.

21. Seasonal special arrangements for upkeep of animals :

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

22. Research Work carried out and publications : Nil

23. Conservation Breeding Programme of the Zoo: Nil

24. **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				

25. **Rescue and Rehabilitation of wild animals carried out by the Zoo (2020-2021)**

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	
	12.01.2022	male Tiger	S.T.R Bali Island New Range	-	Kept at SWAP Jharkhali as per Departmental order	

26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year 2021-22

Endangered Species*

S. No	Animal Name	Scientific name	Opening Stock as on 01.04.2020				Births			Acquisition			Disposal			Death			Closing Stock as on 31.03.2021				
			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	2	1	0	3	-	-	-	1	0	0	1	0	0	0	-	-	-	2	1	0	3
2	Crocodile	Crocodylus porosus	1	10	-	11	0	0	0	0	0	0	0	0	0	0	0	0	-	1	1	0	11
3	Deer	Axis axis	10	8	3	21	0	0	7	0	2	3	0	0	0	0				10	6	7	23

*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																						

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	Deer	Axis axis	Male	28.06.21	Still Birth
2	Deer	Axis axis	Female	23.07.21	Snake bite
3	Deer	Axis axis	Female	27.08.21	Dehydration due to in fight
4	Deer	Axis axis	Female	23.12.21	Still birth
5	Deer	Axis axis	Female	10.02.22	Still birth

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
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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 Kelled Back, Indian Rat Snake, Checkered Kelled 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