



# Annual 2021-2022 Report

**WILDLIFE WING**  
Directorate of Forests  
GOVERNMENT OF WEST BENGAL





2021-22

# Annual Report



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Directorate of Forests  
Government of West Bengal

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M/s. Computer Printing-Cum-  
Technical Solution Centre (Estd.2006)  
B-12, Saptarni Municipal Market Complex  
Shop No. SP-III/34, 1st Floor, P.O.+ P.S. Kalyani  
Dist. Nadia, Pin - 741235, W. B.  
Proprietor's Qualification - Library Science,  
IELTS Qualified.  
Mobile : 9748622349



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**ESSAGES**

বিরবাহা হাঁসদা  
রাষ্ট্রমন্ত্রী (স্বাধীন দায়িত্বপ্রাপ্ত)  
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### Message

West Bengal houses a peerless collection of bio-diversity. It extends from the great Himalayas in the north to the Bay of Bengal in the south. It is of utmost importance to us to conserve the biodiversity in order to ensure the future of the human civilization as well as that of all living organisms.

Over the years, the various conservation plans of Forests and Wildlife has been implemented by the Government of West Bengal to maintain the health of bio-diversity and ecological balance while ensuring sustainable development goals.

The Annual Report, of Wildlife Wing, West Bengal highlights all such efforts, which have been initiated and executed with excellence by the Wing under the Department of Forests, WB for conservation of wildlife in the state. Special emphasis is given in the report on the new initiatives of wildlife conservation and management, estimation of wild animals, human-animal conflict management, wildlife trafficking, wildlife conservation awards and eco-tourism.

I wish all the very best to the staff, officials and the stake-holders who have been involved in preparing and publishing this issue of the Annual Report for the year 2021-22.

*Place: Aranya Bhavan, Salt Lake*  
*Date: 22.03.2024*

**Birbaha Hansda**  
Minister of State (Independent Charge)  
Department of Forests  
Government of West Bengal





Government of West Bengal  
Department of Forests  
Aranya Bhavan, LA 10A Sector - III  
Salt Lake, Kolkata 700106

**MESSAGE**

No other State in India can boast of having the mighty Himalayas to its North and the world's largest delta to its South. No wonder, West Bengal is recognized as one of the richest biodiversity hotspots in India. While that creates a high potential for tourism, it also presents challenges in the management and protection its forests and wildlife.

2. The State's efforts in wildlife conservation have met with consistent success, with the population of the tigers, elephants, rhinoceroses, Indian bison, leopards, Himalayan black bears, hyenas, etc. rising each year. For a State with the second highest population density in the country, this presents a huge challenge in terms of the growing human – wildlife conflict.

3. West Bengal's Special Conservation Projects of the Red Panda, the Himalayan Snow Leopard, Turtle *Batagur baska* and vultures have attained significant success, and the Darjeeling Zoological Garden has been adjudged as the country's best zoo.

4. The Department of Forests is working on all fronts of forest and wildlife management, with a special emphasis on strict enforcement drives against illegal tree felling, timber smuggling and trade in wildlife or wildlife articles.

5. The core strategy of forest and wildlife management remains upon the reliance on the Joint Forest Management Committees (JFMC) comprising forest fringe dwellers. Through a system of sharing the forest usufructs and other livelihood support schemes, the JFMC are fully involved and have emerged as our first line of defense.

6. The Annual Report of the Wildlife brings to light the dedicated and silent work put in by our officers and staff in the protection of our forests and wildlife.

7. I convey my best wishes to the Chief Wildlife Warden and his entire team.

V. Kumar  
8/4/24

Additional Chief Secretary  
Department of Forests  
Government of West Bengal

**Niraj Singhal, IFS**



**Principal Chief Conservator of Forests  
& Head of Forest Force, West Bengal**

**Government of West Bengal  
Directorate of Forests  
Aranya Bhavan, LA 10A Sector - III  
Salt Lake, Kolkata 700106**

**Message**

The State of West Bengal extends across varied landscape from sea to the mountains. In the diverse landscape, the forest Directorate has been working hard throughout the year in order to conserve and protect its diverse wildlife, various eco-systems along with the forest fringe dwellers who have been equally participating in the conservation process hand in hand with the foresters.

In the field of conservation, especially in the protected areas, the wildlife wing, West Bengal plays the pivotal role. Different traditional as well as innovative ideas are planned and implemented every year in the field of conservation and also for mitigation the human –wildlife conflict situations.

The result has been significantly encouraging – with strong leadership in the administration and active execution in field level, it has been possible to have population growth of the wild animals in different species. In recent years many unknown species have been discovered and re-discovered which were not known to be existing in the state earlier. On the other hand incidences of human – wildlife conflict situations are also under control.

The Annual Report, chronicles on the performance and achievement of the wildlife wing, West Bengal during the year which will serve as a colourful documentation of the good work done by the wing.

**Niraj Singhal, IFS**

**Principal Chief Conservator of Forests  
& Head of Forest Force,  
West Bengal**

**F**

**OREWORD**

**Debal Ray, IFS**



**Principal Chief Conservator of Forests, Wildlife  
& Chief Wildlife Warden, West Bengal**

**Government of West Bengal  
Wildlife Wing  
Directorate of Forests  
Bikash Bhavan, North Block, 3rd Floor,  
Salt Lake City , Kolkata 700 091**

### **Foreword**

West Bengal is blessed with spectacular variety of flora and fauna in its vast forest land and non-forest wildlife habitat. The famous faunal diversity here consists of almost all taxa from protozoa to mammals. A biodiversity hotspot and a Vavlovian centre, the state of West Bengal is home to an wide array of highly endangered animals starting from tiger, great Indian one horned rhinoceros, red panda, Asian elephant, gaur, estuarine crocodile, leopard, fishing cat, clouded leopard, gangetic dolphin, Batagur baska and others.

The Annual Report, is a record of events and information on the activities carried out by the wildlife wing, West Bengal in the field of protection and conservation of wildlife. I hope the report will be useful to the staff and officers of the Department as well as the common people interested in the field.

My heartfelt thanks to the officers and staffs of the wildlife wing, Kolkata, West Bengal who have worked sincerely in preparing the Annual Report. I also extend my gratitude to all the field officers serving in the Forest Directorate. I am also thankful to them for providing information and photographs for this report.

**Debal Ray, IFS**

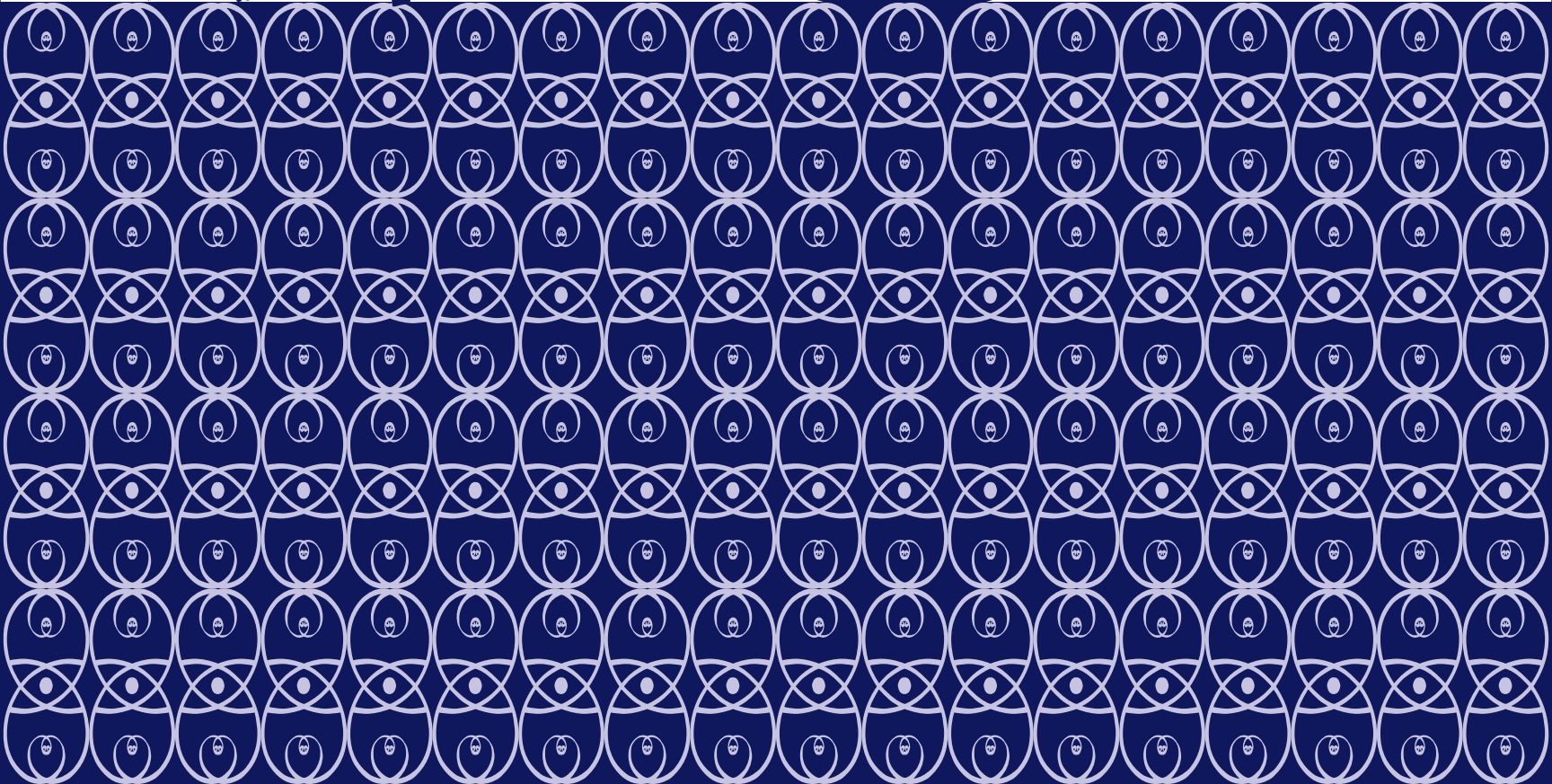
**Principal Chief Conservator of Forests, Wildlife  
& Chief Wildlife Warden,  
West Bengal**

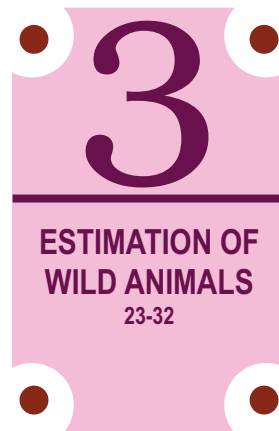




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# INTRODUCTION TO THE STATE





## 1.01 Introduction to the State :

The State of West Bengal extends in the north from Himalayan Ranges to the Bay of Bengal in the south. The State is lying between 21°20'N to 27°32'N Latitude and 85°50'E to 89°52'E Longitude covering a geographical area of 88,752 sq.km. The State shares International Boundary with Nepal, Bhutan and Bangladesh. The total recorded forest land in the State is 11879 sq.kms, of which 7054 sq. kms are Reserved Forests, 3772 sq. kms are Protected Forests and rest 1053 sq. kms are Unclassed State Forests, thus constituting 13.38% of the geographical area of the State. Darjeeling district has the highest forest cover of 75.52% followed by Jalpaiguri (45.86%). [Source: ISFR – 2015, FSI].

The State of West Bengal is home to a rich and unbelievable variety of wildlife, from the famous Royal Bengal Tiger in the Gangetic delta of Sundarbans to the one-horned Indian Rhinoceros and Leopard lurking in the foothills of the Himalayas, West Bengal is home to an amazing array of flora and fauna. A number of migratory birds come to the State during winter and the State is also very rich in the diversity of butterfly.

At present, there are 6 (Six) National Parks, 16 (Sixteen) Wildlife Sanctuaries, 2 (Two) Tiger Reserves, 2 (Two) Elephant Reserves, 1 (One) Biosphere Reserve and 5 (Five) Conservation Reserves in the State. Wildlife in these Protected Areas includes the Royal Bengal Tiger, Indian Rhinoceros, Indian Elephant, Spotted Deer, India Bison (Gaur), Leopard and

Crocodile. The high altitude forests like Singalila National Park shelter wild animals like Barking Deer, Red Panda, Himalayan Black Bear, Serow, Pangolin, and Kalij pheasants.

Sundarban is the only Mangrove-Tiger eco-system in the world. Apart from Tiger, Sundarban is home to many endangered animals like Gangetic Dolphin, Irrawady Dolphin, River Terrapin, Otter, Estuarine Crocodile etc. The Sundarban Biosphere Reserve was constituted by the Government of India in 1989 and it received the recognition of UNESCO under its Man and Biosphere programme in November, 2001. Sundarban National Park, forming the Core Area of Sundarban Tiger Reserve, received the recognition as World Heritage Site by UNESCO in 1987.

The diversity of wildlife in the State of West Bengal is still a long way to be explored, as hitherto many unknown species are being recorded; in the camera trapping exercise in South 24 Parganas Division two photographs of rare Melanistic Leopard Cat was found. On the other hand in Buxa Tiger Reserve photographs have captured Clouded Leopard and Black Panther during Camera Trapping exercise.

## 1.02 Forest and Protected Areas of West Bengal

Sl.	District	Geographical Area	Recorded Forest Area	% of Recorded Forest Area	Area of PA (NP/Sanctuary / Tiger Reserve)
1.	Bankura	6882	1482	21.53	-
2.	Purba Bardhaman	5432.69	176	3.24	0.145
3.	Paschim Bardhaman	1591.31	101	6.35	-
4.	Birbhum	4545	159	3.50	2.021
5.	Kolkata	185	-	-	-
6.	Cooch Behar	3387	57	1.68	-
7.	Dakshin Dinajpur	2219	8	0.36	-
8.	Darjeeling	2095.40	839.6421	40.07	244.74
9.	Kalimpong	1053.60	364.3579	34.58	159.8917
10.	Howrah	1467	-	-	-
11.	Hoogly	3149	3	0.10	-
12.	Jalpaiguri	2844	722.8401	25.42	119.87
13.	Alipurduar	3383	1067.1599	31.54	977.2099
14.	Malda	3733	20	0.54	-
15.	Paschim Medinipur	6981.94	1070.13	15.33	-
16.	Jhargram	3037.64	620	20.41	-
17.	Purba Medinipur	4061.42	18.87	0.46	-
18.	Murshidabad	5324	8	0.15	-
19.	Nadia	3927	13	0.33	0.6686
20.	North 24-Parganas	4094	43	1.05	38.80
21.	Purulia	6259	876	14.00	-
22.	South 24-Parganas	9960	4220	42.37	3147.20
23.	Uttar Dinajpur	3140	10	0.32	1.30
	<b>Total</b>	<b>88752</b>	<b>11879</b>	<b>13.38</b>	<b>4691.8462</b>

\* Area in Sq.Km.

Source:

- 1) Indian State of Forest Report-2015 [Forest Survey of India]
- 2) From Wildlife (HQ) office records



**WILDLIFE CONSERVATION  
AND MANAGEMENT IN  
WEST BENGAL**





## 2.01 WILDLIFE CONSERVATION AND MANAGEMENT IN WEST BENGAL

### IN-SITU CONSERVATION

#### Protection of Protected Areas and Wildlife Habitats:

Protection of habitat and control of poaching of wild animals are being given top priority through regular patrolling on foot, elephant back, by vehicle and speed boats. The protection measures are further augmented through improvement of communication network, supply of improved weapons to the wildlife guards, wildlife squads, Intelligence gathering, installation of watchtower at strategic points etc. inside the National Parks and Sanctuaries as well as in the areas important for wildlife conservation. Since poaching is always associated with the inter-state and/or international smuggling of the wildlife products, a regular co-ordination between various enforcement agencies like Police, BSF, Railway Police, Customs, Directorate of Revenue Intelligence etc. is maintained. The Wildlife Wing is actively liaising with the WCCB, Eastern Regional office as an integral part of the controlling wildlife crime. The latest measure taken by the Wildlife Wing, West Bengal for controlling

/ detection of wildlife crime is by introduction of Sniffer Dog Squads in different Protected Areas of the State. At present there are five such squads in South and North Bengal together. They are placed at Sukna of Mahananda Wildlife Sanctuary, Malbazar of Gorumara National Park, Madarihat of Jaldapara National Park, Rajabhatkhawa of Buxa Tiger Reserve and Sajnekhali of Sundarban Tiger Reserve.





## Wildlife Management and Habitat Improvement:

Habitat Improvement Programme includes the canopy opening in monoculture teak plantations, followed by natural or artificial regeneration of grasses and planting of bamboo and tree fodder species. Development of water holes and wetland development through soil moisture conservation works have been implemented on top priority. Regular maintenance of fire lines is given priority to control ground fire. Grassland Management is one of the major activities in the Terai and Dooars forest areas; to increase the fodder base of herbivores, plantation of indigenous grasses is regularly undertaken. The plantation of fodder species in the Elephant Reserves is a key towards the elephant management and is being done widely for improving the fodder base of the elephants inside the forest.

## Eco-development activities in and around the Protected Areas:

Management of National Parks and Sanctuaries has taken new dimensions in the involvement and meeting the livelihood demands of the local people inhabiting the fringes of the Protected Areas. It is well understood that the wildlife conservation programme will succeed only with the active involvement and cooperation of the local people.

To generate cooperation from the fringe area population, various schemes aimed both at the community and individual beneficiary are undertaken with an aim to generate alternate livelihood avenues, side by side with the community development of these fringe areas. Building of schools, roads, community centres, drinking water facilities, building of houses for the impoverished individuals, distribution of Sal-leaf plate making machines, herbal nurseries, eco-tourism projects, etc. are some of these activities undertaken by the Wildlife Wing in these fringe areas.

Organising, all the people who are living below poverty line into Self-Help Groups for livelihood generation in these communities has been one of the major successes of the Forest Department in the forest fringes.





## Participatory Protected Area Management:

Since 1991, participatory protected area management has been initiated in the fringe villages bordering Jaldapara National Park, Mahananda Wildlife Sanctuary, Buxa Tiger Reserve and gradually the eco-development programme has been expanded to all the PAs. Eco-development is a strategy which aims to conserve biodiversity by reducing the negative impact of people on the PA as well as reducing the negative impact of PA on local people. The efforts are to improve the socio-economic conditions of fringe villages through some prioritized, site specific and need based eco-development activity package, so that their dependence on forest resources is gradually reduced.

Total 241 nos. of Joint Forest Management Committees have been formed in the fringe villages of National Parks and Sanctuaries with around **68,027 members** who are protecting flora and fauna of the State. The fringe area people around various PAs are now less dependent on the forest resources to earn their livelihood since alternative employment options have been created through eco-development programme in majority of these areas. The local communities are not only coming forward to protect the nearby forests but are also helping the forests staff to apprehend poachers. This active involvement of local people will make the task of bio-diversity conservation more effective in the long term.



## 2.02 National Parks & Sanctuaries in West Bengal

Protected Area / Tiger Reserve / Elephant Reserve	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District
<b>National Parks:</b>				
1. Singalila N.P.	78.60	9057-For dt. 2.12.92	2C	Darjeeling
2. Neora Valley N.P.	159.8917	103-FR/O/11M-91/12 dt. 11.01.13	2C	Kalimpong
3. Buxa N.P.	117.10	3403-For dt. 5.12.97	7B	Alipurduar
4. Gorumara N.P.	79.45	1-For dt. 1.1.98	7B	Jalpaiguri
5. Sundarban N.P.	1330.10	2867-For dt. 4.5.84	8B	South-24 Parganas
6. Jaldapara N.P.	216.34	975-For dt. 27.4.12	7B	Alipurduar
<b>Total</b>	<b>1981.4817</b>			
<b>Sanctuaries:</b>				
1. Jorepokhri Salamander W.L.S.	0.04	1107-For dt. 11.03.85	2C	Darjeeling
2. Senchal W.L.S.	38.88	2773-For dt. 19.8.98	2C	Darjeeling
3. Chapramari W.L.S.	9.60	2774-For dt. 19.8.98	7B	Jalpaiguri
4. Mahananda W.L.S.	158.04	2775-For dt. 19.8.98	7B	Darjeeling & partly at Jalpaiguri
5. Raiganj W.L.S.	1.30	1901-For dt. 11.4.85	7B	North Dinajpur
6. Bethuadahari W.L.S.	0.6686	2772-For dt. 19.8.98	7B	Nadia
7. Ballavpur W.L.S.	2.021	4655-For dt. 11.7.77	7B	Birbhum
8. Ramnabagan W.L.S.	0.145	4345-For dt. 30.9.81	7B	Bardhaman
9. Bibhutibhusan W.L.S.	0.64	2776-For dt. 19.8.98	8B	North-24 Parganas
10. Chintamani Kar Bird Sanctuary (previously Narendrapur W.L.S.)	0.07	4300-For dt. 21.10.05	8B	South-24 Parganas
11. Sajnakhali W.L.S.	362.40	5396-For dt. 24.6.76	8B	South-24 Parganas
12. Haliday Island W.L.S.	5.95	5388-For dt. 24.6.76	8B	South-24 Parganas
13. Lothian Island W.L.S.	38.00	2771-For dt. 19.8.98	8B	South-24 Parganas
14. Buxa W.L.S.	314.52	316-For dt. 24.1.86 ; 7588-For dt. 6.10.90 and 12-For dt. 1.1.91	7B	Alipurduar
15. West Sundarban W.L.S.	556.45	1828-For dt. 11.9.13	8B	South-24 Parganas
16. Pakhi Bitan (Bird Sanctuary)	14.09	2157-FR/O/L/6M-04/2015 dated 11.08.2016	7B	Jalpaiguri
<b>Total</b>	<b>1502.8146</b>			

## 2.03 Tiger Reserves in West Bengal

Tiger Reserves:	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District
<b>1. Buxa Tiger Reserve</b> Core Area Buffer Area Total	390.5813 370.2886 <b>760.8699</b>	3051-For dt. 06.08.09 3050-For dt. 06.08.09	7B	Alipurduar
<b>2. Sundarban Tiger Reserve</b> Core Area Buffer Area Total	1699.62 885.27 <b>2584.89</b>	6028-For dt. 18.12.07 615-For dt. 17.02.09	8B	South-24 Parganas & North-24 Parganas
* The total area includes NP and Sanctuary areas already mentioned.				
<b>Total:</b>	<b>3345.7599</b>			

## 2.04 Biosphere Reserve in West Bengal

Biosphere Reserve:	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District	Ecologically Important species
Sundarban Biosphere (including STR, Sajnakhali, West Sundarban, Lothian and Haliday WLSs )	9630	Govt. of India vide No. 16/6/84-CSC dt. 19.03.1989		South-24 Pgns. North-24 Pgns.	Tiger ( <i>Panthera tigris tigris</i> ), Estuarine Crocodile ( <i>Crocodylus porosus</i> ), Water Monitor Lizard ( <i>Varanus salvator</i> ), Mangrove plants like <i>Nipa fruticans</i> , <i>Avicennia spp.</i> , <i>Ceriops spp.</i> , <i>Excoecaria agalocha</i> , etc.
<b>Total</b>	<b>9630</b>				



## 2.05 Elephant Reserves in West Bengal

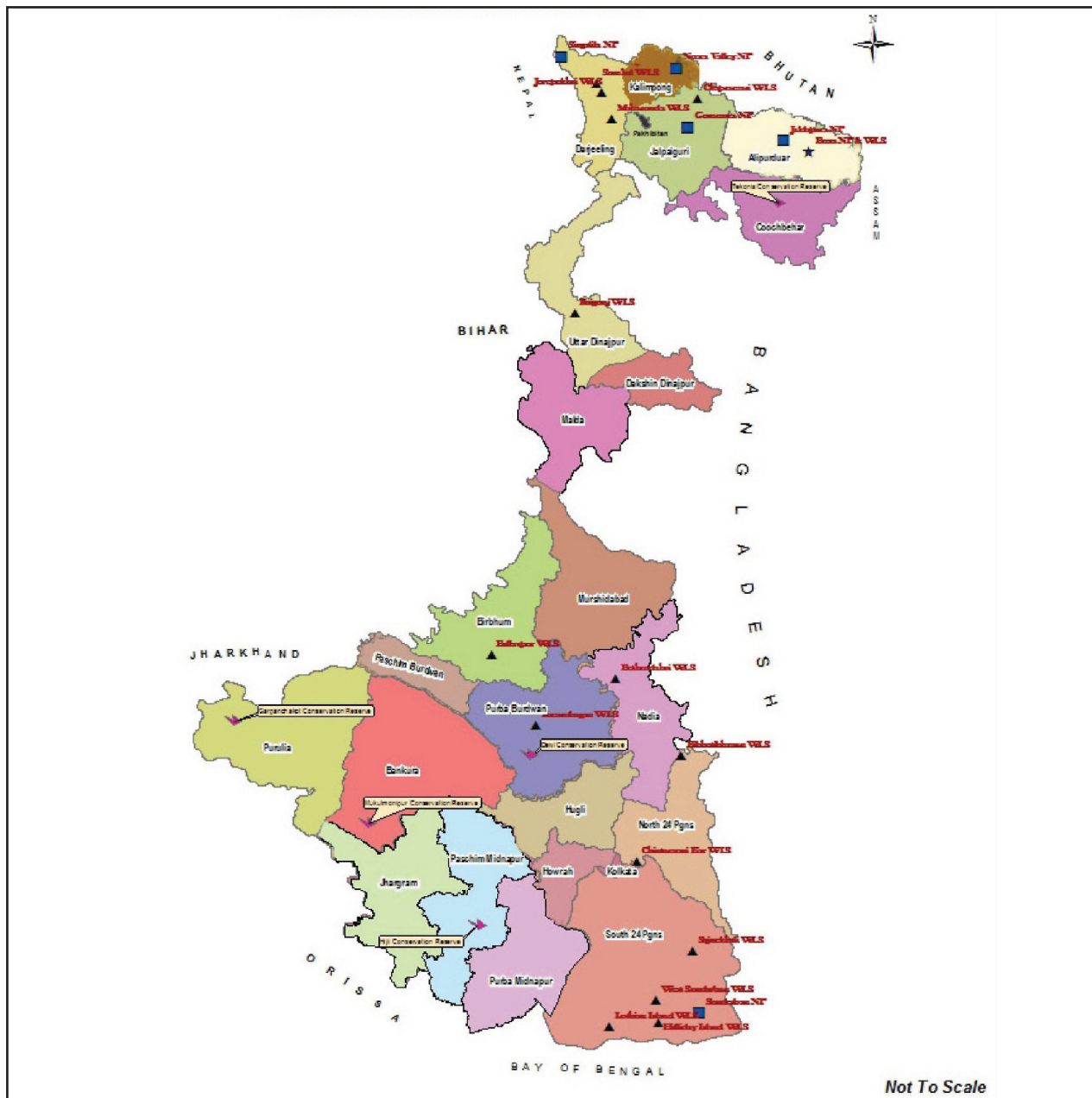
Elephant Reserves :	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District
<b>Eastern Duars ER</b>		3293-For dt. 28.8.2002	7B	Jalpaiguri & Alipurduar
Core	484.00			
Buffer	493.51			
Total	<b>977.51</b>			
<b>Mayurjharna ER</b>	414.00	3040-For. dt. 24.10.2002	6B	Paschim Medinipur, Bankura and Purulia
<b>Total</b>	<b>1391.51</b>			

## 2.06 Conservation Reserves in West Bengal

Conservation Reserves	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District
Deul	10.50	1555-For.dt.19.05.2017	7B	Burdwan
Hijli	15.50	1555-For.dt.19.05.2017	6B	Paschim Medinipur
Tekonia	5.87	1555-For.dt.19.05.2017	7B	Coochbehar
Mukutmonipur	43.70	1555-For.dt.19.05.2017	6B	Bankura
Garpanchkot	1340.34	1555-For.dt.19.05.2017	6B	Purulia
<b>Total</b>	<b>1415.91</b>			



## Location of Protected Areas in West Bengal





## 2.08 Status of Management Plan/Tiger Conservation Plan (TCP) preparation

Sl. No.	Name of Protected Area/ Tiger Reserve	Period	Present Status
1	Sundarban Tiger Reserve (incl. Sundarban NP & Sajnekhali WLS)	2017-18 to 2021-22	Approved Tiger Conservation Plan
2	Buxa Tiger Reserve (incl. Buxa NP & Buxa WLS)	2016-17 to 2026-27	Approved Tiger Conservation Plan
3	Gorumara National Park	2018-19 to 2027-28	Draft Management Plan returned to DFO, GWLD for rectification
4	Singhalila National Park	2013-14 to 2022-23	Management Plan Operational
5	Neora Valley National Park	2018-19 to 2028-29	Draft Management Plan including newly added area returned to DFO, GWLD for rectification
6	Jaldapara National Park	2018-19 to 2027-28	Management Plan Operational
7	Mahananda Wildlife Sanctuary	2011-12 to 2021-22	Management Plan Operational
8	Senchal Wildlife Sanctuary	2012-13 to 2021-22	Management Plan Operational
9	Chapramari Wildlife Sanctuary	2011-12 to 2021-22	Management Plan Operational
10	Bethuadahari Wildlife Sanctuary	2013-14 to 2022-23	Management Plan Operational
11	Bibhutibhusan Wildlife Sanctuary	2011-12 to 2020-21	Management Plan Operational
12	Ballavpur Wildlife Sanctuary	2009-10 to 2019-20	Management Plan Operational
13	Ramnabagan Wildlife Sanctuary (Bardhaman Zoological Park)	2012-13 to 2022-23	As it is managed by WBZA as per approved Plan of CZA, there is no need of Management Plan
14	Raiganj Wildlife Sanctuary	2011-12 to 2020-21	Management Plan Operational
15	Halliday Island Wildlife Sanctuary	2017-18 to 2026-27	Draft Management Plan returned to DFO, 24-Pgns(S) for rectification
16	Lothian Island Wildlife Sanctuary	2017-18 to 2026-27	Draft Management Plan returned to DFO, 24-Pgns(S) for rectification
17	Chintamani Kar Wildlife Sanctuary	2015-16 to 2024-25	Draft Management Plan returned to DFO, 24-Pgns(S) for rectification
18	West Sundarban Wildlife Sanctuary	2016-17 to 2025-26	Management Plan Operational
19	Pakhi Bitan Wildlife Sanctuary	—	Instruction issued to prepare the MP

# Management Plan of Mayurjharna Elephant Reserve approved for the period 2014-15 to 2023-24.

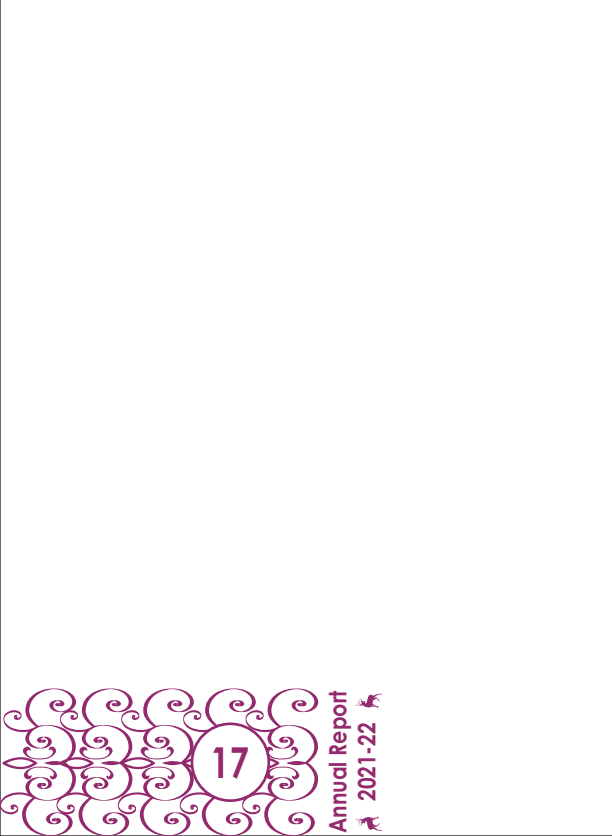
Ex-Situ Conservation

## 2.09 EX-SITU CONSERVATION OF THREATENED WILDLIFE SPECIES:

The *ex situ* conservation is an integral part of wildlife management. Species' re-introduction is one of the important ingredient of the *ex situ* conservation. In West Bengal, the rehabilitation and restocking of some of the endangered wild animals are going on for last few years. The translocation of chital deer in some of the PAs of North Bengal and the forest areas of South Bengal have been successfully undertaken. More than **2700** Chitals (Spotted Deer) have been translocated in these forests till this year. The release of estuarine crocodile and Batagur Baska are being done regularly in the Mangrove ecosystem of Sunderbans. Till date we have released around **600 crocodiles** in various creeks and rivers of Sundarbans to augment the population of this endangered species. The Wildlife Wing, West Bengal has a comprehensive planning at present to release four number Red Pandas (two males and two females) in Neora Valley National Park and Singhalila National Park. At present a study is being conducted in these PAs based on DNA analysis of Red Panda to assess the present status of Red Panda in the wild in association with IISER, Kolkata, Wildlife Institute of India and Zoological Survey of India.







## 2.10 ZOOS IN WEST BENGAL

“Zoo” means an establishment, whether stationary or mobile, where captive animals are kept for exhibition to the public and includes a circus and rescue center but does not include an establishment of a licensed dealer in captive animals. Most of us would have visited zoos at one point of time or another, usually during our childhood - with parents or as part of our school programmes. Many people think of a zoo as a place for relaxation, entertainment, a place to have a fun. But over the decades, zoos have got transformed into centres for wildlife conservation and environmental education.

All Zoos in West Bengal are controlled by the West Bengal Zoo Authority.

### Zoos in West Bengal

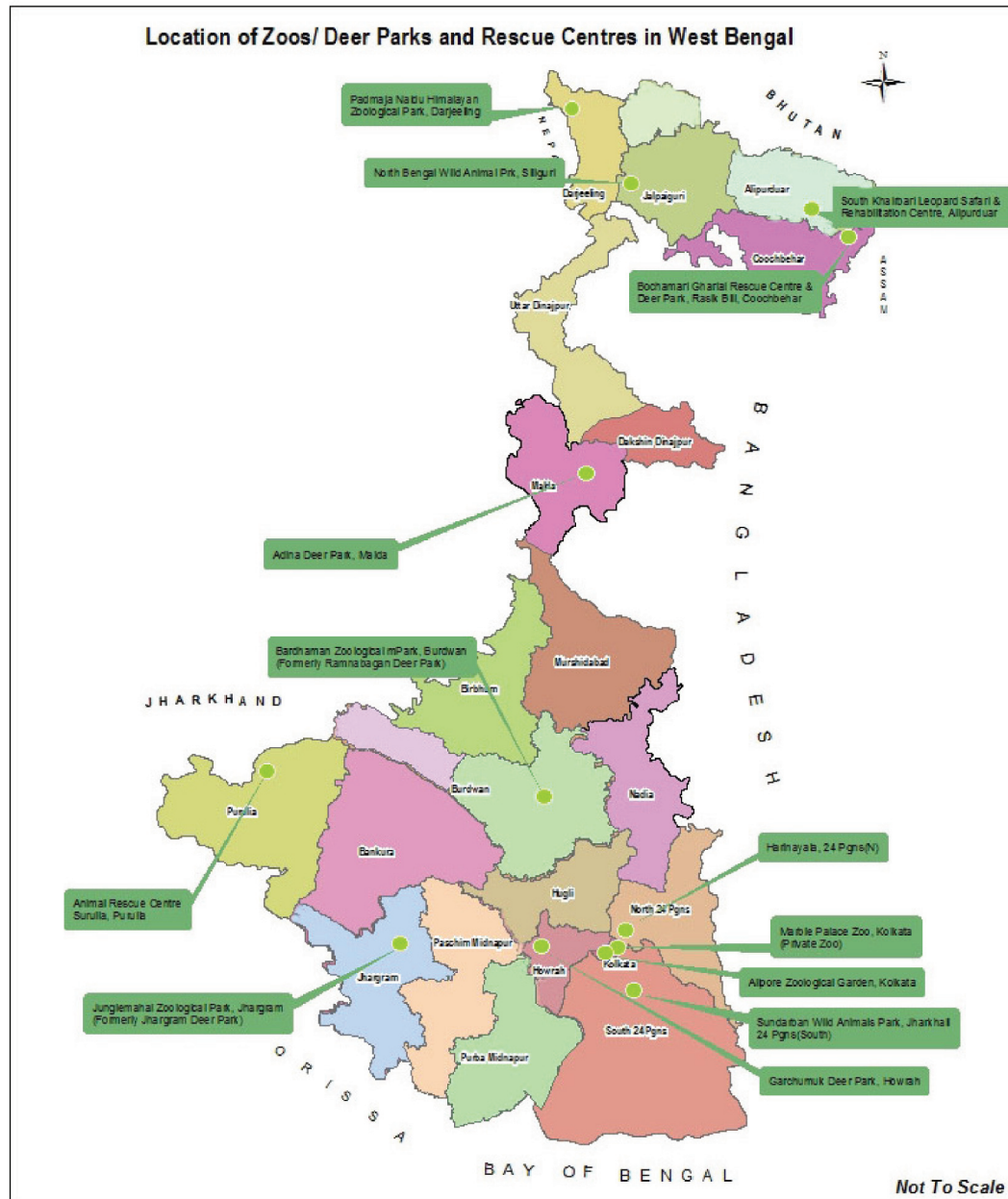
#### Government Zoos

1. Adina Deer Park, Adina, Malda
2. Alipore Zoological Garden, Kolkata
3. Animal Rescue Centre, Surulia
4. Bardhaman Zoological Park, Bardhaman (formerly known as Ramnabagan Deer Park)
5. Bochamari Gharial Rescue Centre and Deer Park/ Rasik Beel
6. Garchumuk Deer Park, Garhchumuk, Howrah
7. Junglemahal Zoological Park, Jhargram (Formerly known as Jhargram Deer Park & Mini Zoo)
8. North Bengal Wild Animal Park, Siliguri
9. Padmaja Naidu Himalayan Zoological Park
10. South Khairbari Leopard Safari & Rehabilitation Centre, Coochbehar
11. Sundarban Wild Animals Park, Jharkhali (Jharkhali Satellite Zoo)
12. Harinalaya, Eco Park, New Town, Kolkata

#### Private Zoos

1. Marble Palace Zoo

## 2.11 Location of Zoos and Rescue Centres in West Bengal







## 2.12 Recognition Status of Rescue Centres / Deer Parks / Zoos in West Bengal

Sl. No.	Name	Division / District	Status
1.	Padmaja Naidu Himalayan Zoological Park	Darjeeling Division	Recognized upto 19.08.2022.
2.	North Bengal Wild Animal Park, Siliguri	Jalpaiguri	Recognized upto 15.12.2024.
3.	South Khairbari Leopard Safari & Rehabilitation Centre, Coochbehar	Jaldapara Wildlife Division	Recognized upto 14.12.2024.
4.	Bochamari Gharial Rescue Centre and Deer Park/ Rasik Beel	Coochbehar Division	Recognized upto 19.08.2021.
5.	Surulia Mini Zoo, Purulia	Kangsabati (North) Division	Recognized upto 19.08.2021.
6.	Adina Deer Park, Adina, Malda	Malda Division	Recognized upto 19.08.2021.
7.	Bardhaman Zoological Park, Bardhaman (formerly known as Ramnabagan Deer Park)	Burdwan Division	Recognized upto 19.08.2021.
8.	Garchumuk Deer Park	Howrah Division	Recognized upto 19.08.2021.
9.	Alipore Zoological Garden, Kolkata	Kolkata	Recognized upto 19.08.2023.
10.	Junglemahal Zoological Park, Jhargram (Formerly known as Jhargram Deer Park & Mini Zoo)	Jhargram Division	Recognized upto 19.08.2022.
11.	Sundarban Wild Animals Park, Jharkhali (Jharkhali Satellite Zoo)	24-Parganas (South) Division	Recognized upto 19.08.2021.
12.	Harinalaya, New Town, Kolkata	24-Parganas (North) Division	Recognized upto 19.08.2021.









# ESTIMATION OF WILD ANIMALS







# Estimation of Wild Animals

## Tiger (*Panthera tigris*):

The Bengal tiger inhabits a wide range of habitats, from the high-altitude, cold coniferous Himalayan forests to the streaming mangroves of the Sundarbans. At present, the tiger is found in the forests of Neora Valley, Buxa, Mahananda, Jaldapara in North Bengal and in Sundarban forests in South Bengal.

### Tiger Estimation in Indian Sundarban Landscape 2019-20

Sundarbans is world's largest mangrove delta and only mangrove tiger habitat in the world. The Sundarban landscape comprises of two Divisions, 1) Sundarban Tiger Reserve 2) 24-Parganas (South) Division. The total area of Sundarban Tiger Reserve (STR) with its four Ranges (Sajnekhali Wildlife Sanctuary, Basirhat, National Park East and National Park West) is about 2585 sq kilometers. The three tiger bearing ranges of 24-Parganas (South) Division i.e, (Math, Raidighi, Ramganga) comprises of 1111.07 sq kilometer area in total.

According to the Tiger Estimation protocol of NTCA, in 2010 first All India Tiger Estimation exercise took place in Sundarbans. Since 2012, with the help of some Non-Government Organizations, Forest Department carried out the phase IV tiger estimation exercise as per the guidelines of NTCA. In the last couple of years the Forest Department is doing the exercise on its own with the help of outside players only for Logistics (cameras) support and training. In 2019-2020 session, during the months of December 2019 and January 2020, in line with Phase-IV monitoring protocol of NTCA, the Sundarban Tiger Reserve and the 24-Parganas (South) Division carried out camera trapping to monitor the tiger

population in the Indian Sundarbans with 2 Sq. Km. grid composition.

On 27<sup>th</sup> of November, 2019 and 5<sup>th</sup> of December, 2019, training programs were organized for the field staff of the Sundarban Tiger Reserve. For the staff of the 24 Parganas (South) Division, training was carried out on the 13<sup>th</sup> of January, 2020. These programs helped in brushing up the skills of the experienced forest staff regarding the use of camera traps and GPS devices, and also in planning the execution of the exercise.

Data was collected in 2 phases: - with the first period commencing on the 16<sup>th</sup> of December and ending on the 13<sup>th</sup> of January, and the second starting on the 22<sup>nd</sup> of January and ending on the 19<sup>th</sup> of February. For the first period, a total of 1156 No. Cuddeback camera traps (578 pairs) were installed in the Sundarban Tiger Reserve from the 10<sup>th</sup> to the 15<sup>th</sup> of December.

During the 2<sup>nd</sup> period, 272 No. camera traps (136 pairs) were installed in the 24-Parganas (South) Division from the 18<sup>th</sup> to the 21<sup>st</sup> of January.

### Camera Trapping Team Composition

10 teams in Sundarban Tiger Reserve and 6 teams in 24-Parganas (South) Division are composed for phase

IV exercise by the Field Director.

DFD, Sundarban Tiger Reserve and DFO, 24-Parganas (South) Division with coordinate the exercise in respective divisions.

Along with the team leader, each team comprises of 10-12 personnel.

Team leader reports to the concerned Range Officer on behalf of his team.

In each team at least 3-4 armed personnel are present.

The entire operation is to be planned and executed based on tidal movements. Some places can be reached only during high tide.

## Results:

### Data metrics

Range / Unit	Area in Sq KM	No. of grids with camera traps	No. of grids with tiger captures	Total number of tiger pictures
Sajnekhali Wildlife Sanctuary Range	432.86	117	43	130
Basirhat Range	452.44	122	61	304
National Park (West) Range	890.06	152	47	199
National Park (East) Range	809.56	187	71	221
24-Parganas (South) Division	1111.07	136	59	251

**Demography of Tiger individuals captured in Sundarban Tiger Reserve**  
**(2016-17 to 2019-20)**

SL. NO.	RANGE/UNIT	NO. OF INDIVIDUALS BY YEAR		
		2016-17	2018-19 (AITE)	2019-20
1	Sajnekhali Wildlife Sanctuary	14	15	10
2	Basirhat Range	14	13	19
3	National Park (West) Range	19	18	20
4	National Park (East) Range	16	20	24
5	24-Parganas (South) Division	24	22	23
<b>Total</b>		<b>87</b>	<b>88</b>	<b>96</b>

***According to unique tiger individuals photo captured there are 101 tigers in Sundarban landscape during 2022.***

**Leopard (*Panthera pardus*) :**

The leopard shows remarkable adaptability to different environments but prefers the forest fringe where it can utilize trees cover for shelter and safety and open area as observation platform. They are found in almost all the forest areas in north Bengal, with a sizeable population in and around the Protected Areas of Neora Valley, Buxa, Gorumara, Senchal, Mahananda, Chapramari, Jaldapara in North Bengal.

**Leopard Census :**

Year	Gorumara	Buxa	Jaldapara	Mahananda	Other areas	Total
1984	14	8	7	12	41	<b>82</b>
1989	14	50	5	10	29	<b>108</b>
1992	-	63	-	-	-	<b>-</b>
1993	2	-	9	2	94	<b>107</b>
2002	47	149	33	18	84	<b>331</b>
2004	43	Not done	28	26	67	<b>164</b>
2012		105 (BTR-West)				

## Gaur (*Bos gaurus*) :

Also known as the Indian Bison, the Gaur is a massive creature. Gaur is a herbivore and prefers grass. It is very common to see guar browsing on leaves or munching on the bark of select trees. In north Bengal, there is a sizeable population of gaur, especially in Neora valley, Jaldapara, Mahananda, Chapramari, Buxa etc.

Year	Total Number
1989	240
1993	425
1997	550
1998	530-560
2002	1180-1284
2009-10	Not less than 901 (Gorumara NP & Chapramari WLS only)
2012-13	414 BTR(W)
2013-14	782 BTR(W)



## Elephant (*Elephas maximus*) :

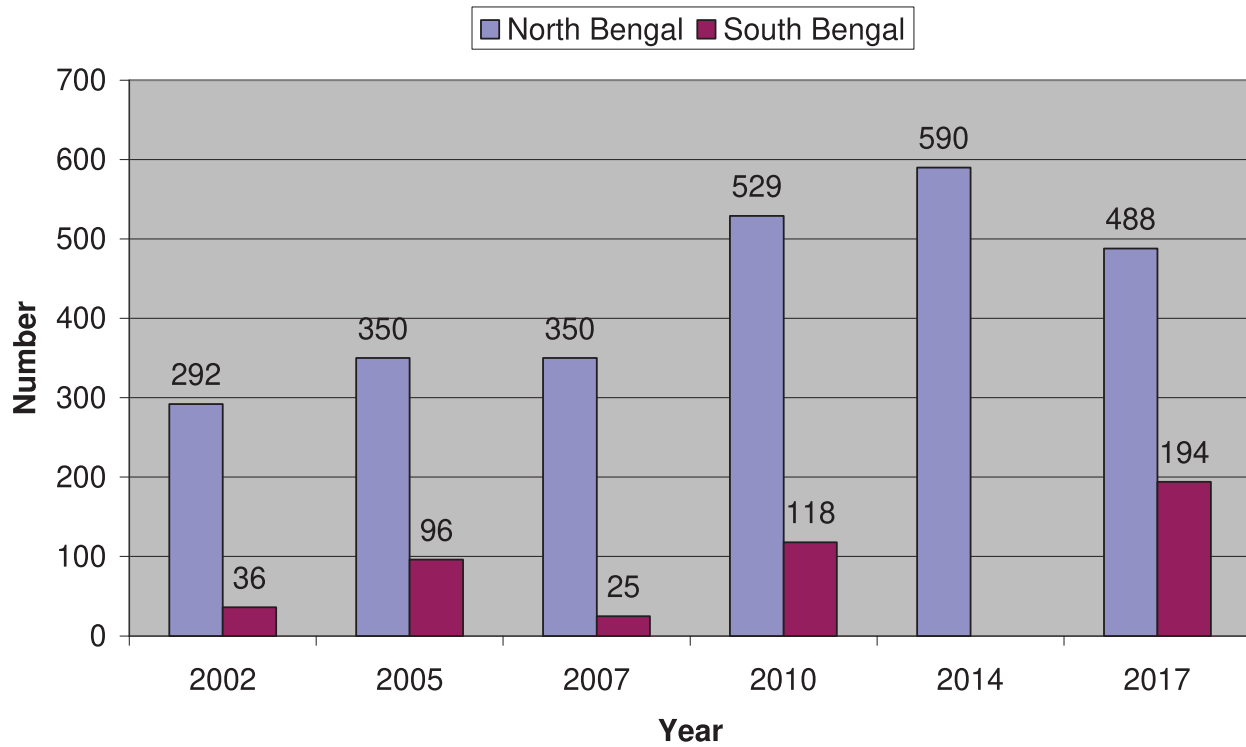
The Asian Elephant (also known as the Indian Elephant) is a huge land animal. Elephants are found in Buxa, Gorumara, Mahananda, Chapramari, Jaldapara etc. in northern part of West Bengal. In South West Bengal the elephant are mainly seen in the districts of Bankura, Purulia and Paschim Medinipur.

Year	Total Number
1989	175
1993	186
1997	230-250
1998	230-250
2000	327
2002	328*
2005	North Bengal 300-350 & South Bengal 96
2007	North Bengal 300-350 & South Bengal 25 (excluding migratory population)
2010	North Bengal 529 & South Bengal 118 (including migratory population)
2014	North Bengal 590+ Census not done in South Bengal.
2017	All India Synchronized Elephant Population Estimation North Bengal – 488 nos. and South Bengal 194 nos. vide Project Elephant, Govt. of India's letter dated 14 <sup>th</sup> August, 2017





## Elephant Population in North and South Bengal



## **Rhinoceros (*Rhinoceros unicornis*) :**

They are one of the largest land mammals. The Great Indian Rhinoceros has a single horn, usually upto 53 cm long. The rhino is found in the beautiful grassland and forests of Jaldapara and Gorumara.

### **Rhino Census:**

<b>Year</b>	<b>Jaldapara</b>	<b>Gorumara</b>	<b>Total</b>
2006	108	27	135
2008		31	
2009	125		
2011	149	35 *	184
2012		43 *	
2013	186		
2014		50*	
2015	204	49 + 2 (Darjeeling WL Division)	255
2019	237	52	289
2022	292	55	347

**\*(Gorumara, Chapramari & adjoining areas of Gorumara NP & Chapramari WLS)**

## **Crocodile (Salt water Crocodile) (*Crocodylus porosus*) :**

STR & 24-Parganas (South) Division

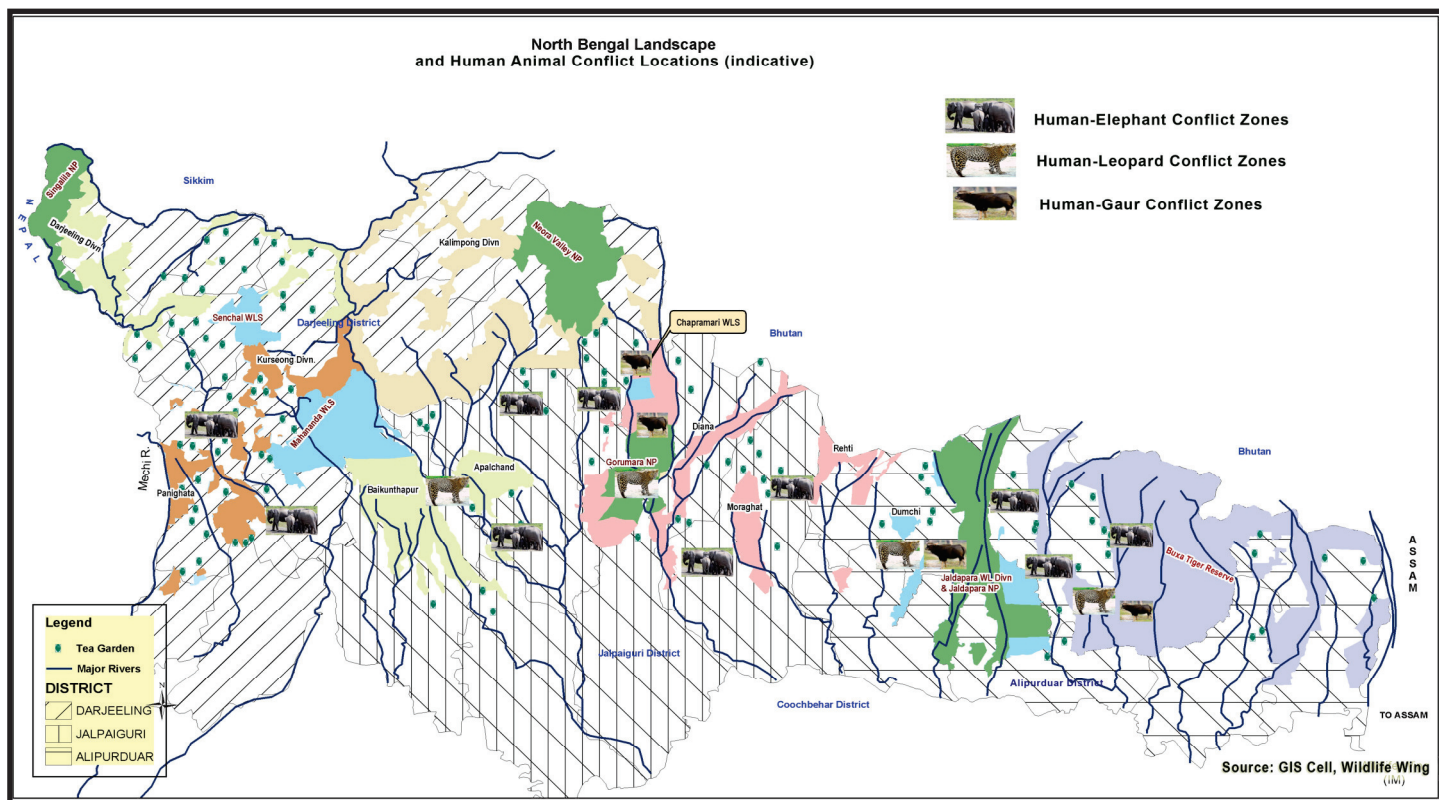
<b>Year</b>	<b>Indirect sighting</b>	<b>Direct sighting</b>			
		<b>Adult</b>	<b>Juvenile</b>	<b>Hatchling</b>	<b>Total</b>
2012	99	69	61	10	140



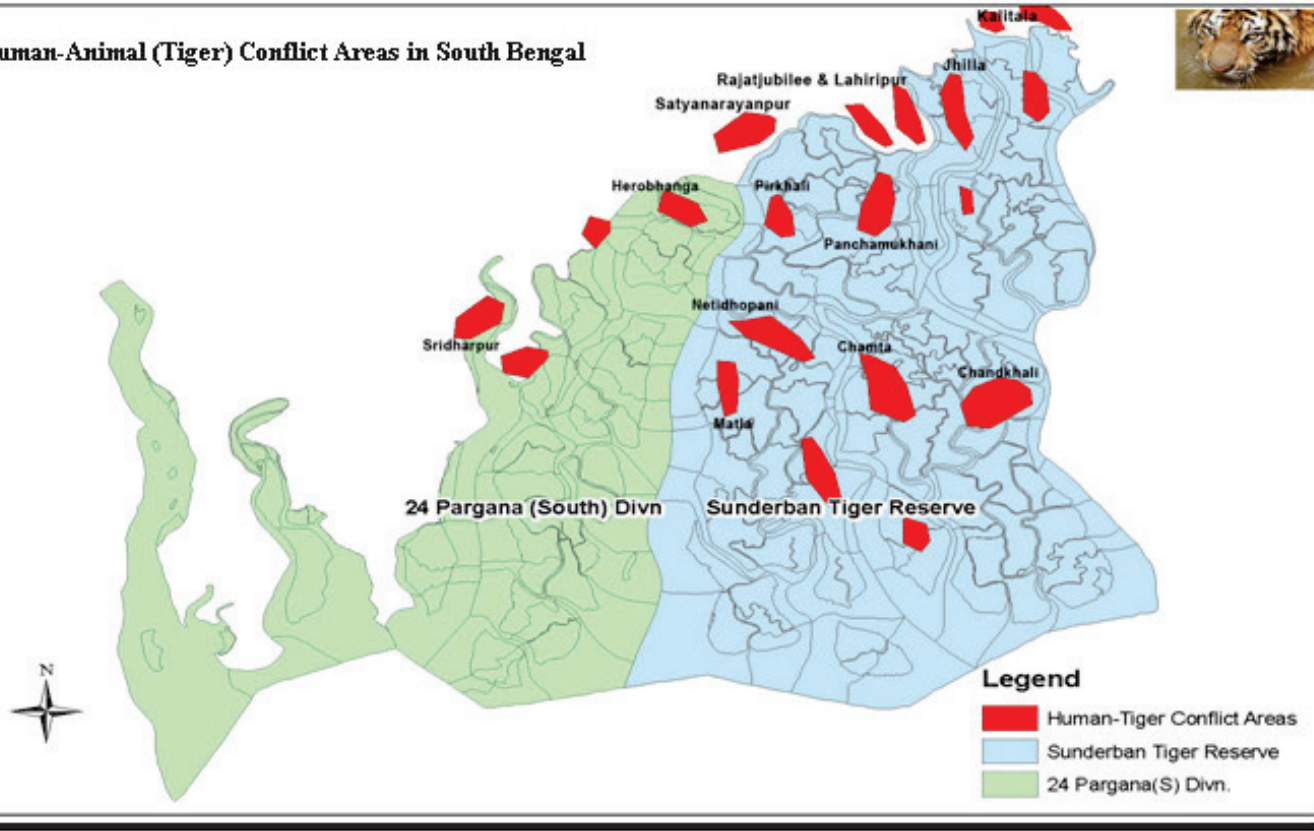
**HUMAN WILDLIFE  
CONFLICT AREAS  
IN WEST BENGAL**



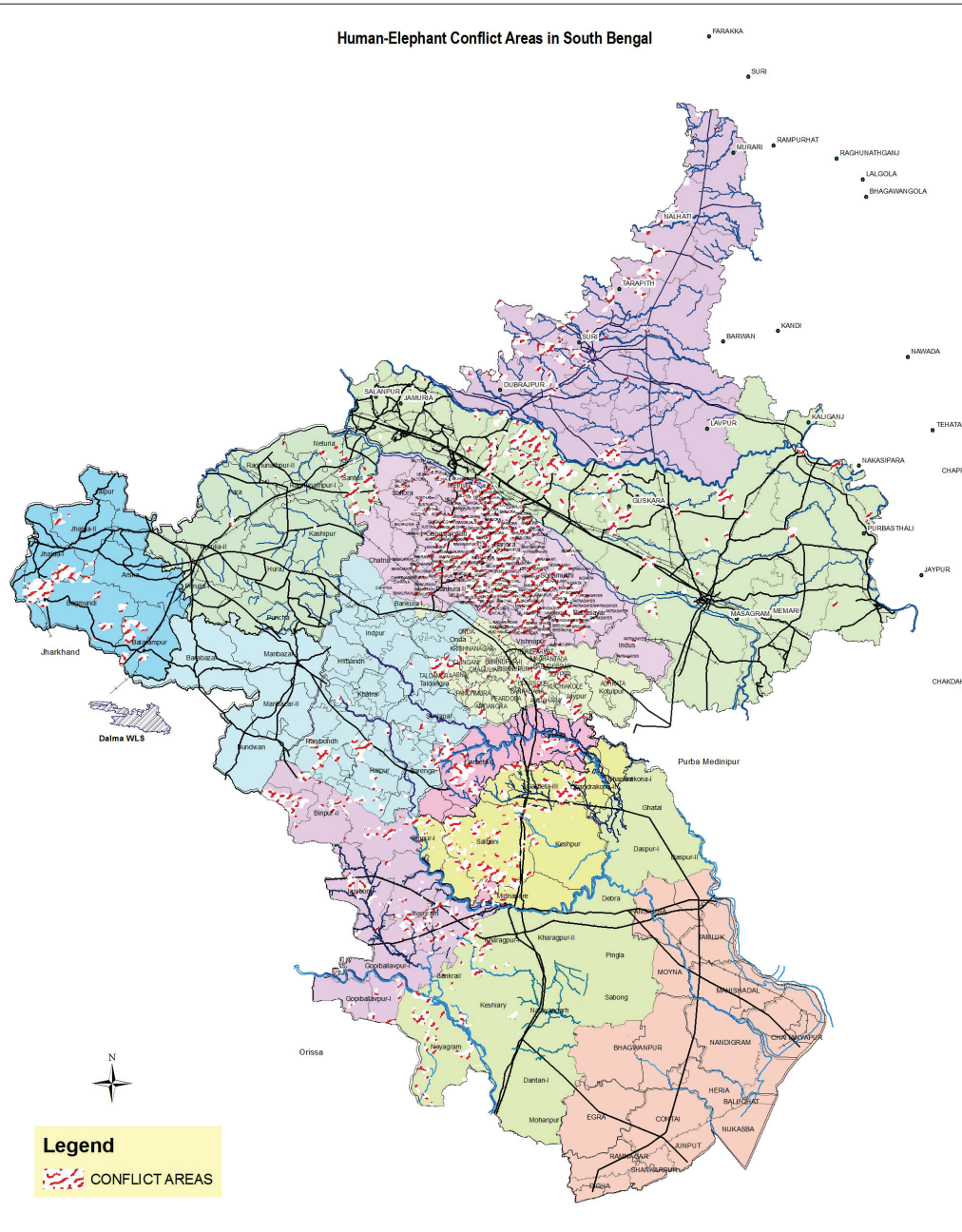
# 4.01 Human Wildlife Conflict Areas in West Bengal



### Human-Animal (Tiger) Conflict Areas in South Bengal



### Human-Elephant Conflict Areas in South Bengal







## 4.02 Human-Wildlife Conflict

Conflicts usually arise out of straying of wild animals into human habitations and result into either killing of the wild animals, or, death/injury of human beings and loss of crop/cattle/houses.

Man-elephant, Man-tiger, Man-leopard, Man-Gaur, Man-Rhino, Man-langur conflict and also conflict with other wild animals of late, have become more acute due to shrinkage of habitats and increased activities around the forests. Rapid expansion of human habitations, agriculture and tea gardens have not only encroached upon the forests and grasslands, but also cut off the corridors needed for migration of wide-ranging animals like elephants. Moreover, wanton grazing of cattle in the forest fringes and other forest areas have created acute pressure on the fodder of the large herbivores. Reduction of natural grassland and conversion of natural forests into value-added plantations of commercial species, until a couple of decades back, has further restricted the fodder base of the elephants and other wild animals. Poaching of deer and other smaller prey-animals has resulted into reduction in prey-base of big cats like tiger & leopard in some areas.

## 4.03 Death of Wild Animals during 2021-22 in West Bengal

Name of Animals	Natural Death	Accident	Poaching	Retaliatory Killing	Total
Elephant	8	6	0	0	14
Tiger	1	0	0	0	1
Leopard	13	1	0	0	14
Rhino	1	0	1	0	2
Gaur	5	0	0	0	5
<b>Total</b>	<b>28</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>36</b>

#### 4.04 Death of Wild Animals caused by Train accident during 2021-22 - NIL

#### 4.05 Death of Wild Animals caused by Road accident during 2021-22 - NIL

#### 4.06 Death of elephants caused by electrocution during 2021-22

Sl. No.	Date	Sex	Age	Place of incidence	Division	No.
1.	27.07.2021	Male	35 yrs.	Soloidanga, Belacoba Range	Baikunthapur Division	1 No.
2.	21.08.2021	Male	10 yrs.	Limbu Basti, Targhera Range	Baikunthapur Division	1 No.
3.	16.10.2021	Sub-adult	Female	Bhandakura, Moraghat Range	Jalpaiguri Division	1 No.
4.	17.11.2021	Sub-adult	Female	Mangalkata, Moraghat Range	Jalpaiguri Division	1 No.
5.	05.11.2021	Female	20 yrs.	Moirapukur, Patrasayer Range	Bankura (North) Division	1 No.
6.	07.03.2022	Male	25 yrs.	Belboni, Bankuara (North)	Bankura (North) Division	1 No.
7.	12.03.2022	Male	20 yrs.	Belboni, Bankuara (North)	Bankura (North) Division	1 No.
8.	27.03.2022	Male	45 yrs.	Maharajghat, Belacoba Range	Baikunthapur Division	1 No.
					<b>Total</b>	<b>8 Nos.</b>



#### 4.07 Death of Departmental Elephants during 2021-22

Date	Place	Name	Age	Sex	Cause of death
20-10-2021	Harindanga Tower, JP-5 Comptt.	Debjani	37 yrs.	Female	May be due to non-specific Diarrhea results dehydration which causes respiratory failure.

#### 4.08 Person killed / injured by Wild Animals during 2021-22

Sl. No.	Name of Animals	No. of Persons Killed	No. of Persons injured
(1)	(2)	(3)	(4)
1	Elephant	77	190
2	Tiger	6	0
3	Leopard	3	76
4	Gaur	2	2
5	Bear	1	3
<b>Total</b>		<b>89</b>	<b>271</b>



#### 4.09 Forest Staff Killed / Injured by Wild Animal during 2021-22 - NIL

#### 4.10 Straying of Wild Animals during 2021-22

Sl. No.	Date	Animal description (Species, age, sex, etc.)	Location	Management action	Extent of damage (if any)	Remarks
1	04-04-2021	Leopard	Satbhendi, near Panbari	Tranquilized the animal but the animal run away	--	
2	04-04-2021	1 nos Indian Bison	Riyabari TG	Driven towards Reti Forest	Nil	
3	06-04-2021	2 nos Indian Bison	Bagribari	1 nos Rescue and released at Khuttimari Forest, and another 1 nos Driven towards Kherkata Forest	Nil	
4	07-04-2021	Leopard	Meenglas TE	Area cordoned off and awareness done	NIL	
5	09-04-2021	Leopard	Shishubari Tea Estate	Area cordoned off and awareness done	NIL	
6	10-04-2021	Leopard	New Dooars TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
7	11-04-2021	Elephant Calf	Patharjhora TE	Rescued and sent it to Gorumara Beat	NIL	
8	13-04-2021	Leopard	Gandrapara TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
9	14-04-2021	Leopard	Huldibari TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
10	14-04-2021	Leopard	Palashbari TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
11	20-04-2021	Leopard	Palashbari TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
12	26-04-2021	2 nos Indian Bison	Banarhat TG	Driven towards Reti Forest	Nil	
13	08-05-2021	1 nos Barking Deer	Karbala TG	Driven towards Reti Forest	Nil	
14	09-05-2021	Leopard	Karbala T.G	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	



15	09-05-2021	Leopard, Male, Adult	Binnaguri T.G	Leopard Trapped in cage Aware local people ,		
16	11-05-2021	Leopard	Sylee TE	Area cordoned off and awareness done	NIL	
17	15-05-2021	Wild Elephant (Makna)	Domohani, Basusuba, Moulani, Vallaguri, Satvendi, Singivandani, Kusaitari, Budhuram	Driven towards Ramsai Forest	None	
18	18-05-2021	Bison 2nos	Chikanmati Kranti Area	1no Tranquilised and sent it to Lataguri NIC, 1no Drove towards Lataguri Forest Area	NIL	
19	18-05-2021	Wild Elephant	Washabari	Driven towards Baikantapur area	NIL	
20	18-05-2021	Gour	Chikanmati, PS Kranti	One gour was tranquilized, one was driven towards forest	None	
21	19-05-2021	1 nos spotted Deer	Uttar Salbari	Rescue and released at Khuttimari Forest	Nil	
22	20-05-2021	Leopard	Jadavpur TG, Ramsai	One leopard found and driven towards Medla HF	---	
23	22-05-2021	Leopard	Panbari colony	Installed a cage	Leopard lifted goat	
24	31-05-2021	Leopard	Palashbari T.G.	Leopard cage intalled, Aware local public		
25	09-06-2021	Leopard, Male, Adult	Huldibari T.G	Leop Aware ard Trapped in cage local people ,		
26	17-06-2021	Wild Elephant	Gorubathan (Tar)	Driven towards Gorubathan riverside	NIL	
27	17-06-2021	30-35 nos Elephant	Red Bank TG	Driven towards Diana Forest	Nil	
28	18-06-2021	30-35 nos Elephant	Red Bank TG	Driven towards Diana Forest	Nil	
29	22-06-2021	Leopard	Binnaguri T.G	Leopard driven to Khuttimari Forest, Aware local public		
30	23-06-2021	Leopard	Ambari Tea Garden	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
31	24-06-2021	Leopard, Cub	Binnaguri T.G	Released at same place, Aware local public		
32	01-07-2021	20-25 nos Elephant	Binnaguri TG	Driven towards Reti Forest	Nil	
33	11-07-2021	Leopard	Kathalguri TG area	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	

34	16-07-2021	10-12 nos Elephant	Binnaguri TG	Driven towards Reti Forest	Nil	
35	16-07-2021	1 nos ,Male, Adult, 45 Year, Injured Elephant	Binnaguri TG	Treatment at same place	Nil	
36	19-07-2021	Leopard	Banarhat TG area	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
37	22-07-2021	Leopard	Panbari hospital para	Awariness done	Leopard lifted goat	
38	24-07-2021	Leopard	Choonabhuttti Tea Garden.	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
39	24-07-2021	Leopard (3) Nos.	Senpara Private TG	Driven away & area cordoned	NIL	
40	25-07-2021	Leopard	South Khagrabari, Maynaguri	Awariness done	--	
41	25-07-2021	30-35 nos Wild Elephant	Chamurchi TG	Driven towards Diana Forest	Nil	
42	29-07-2021	18-20 nos Wild Elephant	Maraghat TG	Driven towards Totapara Forest	Nil	
43	30-07-2021	Leopard (2) Nos.	Neora TG	Driven away & area cordoned	NIL	
44	05-08-2021	Leopard	Kathalguri TG	Leopard Cage installed, Aware local public		
45	05-08-2021	Bison	Tesimila	Driven towards Lataguri forest	NIL	
46	07-08-2021	Leopard	Kumlai Khaurmore	Driven away	NIL	
47	07-08-2021	1 nos Wild Elephant	Ambari TG	Driven towards Diana Forest	Nil	
48	13-08-2021	Bison	Khudirampally ,Malbazar	Tranquilised later died at the time of release	NIL	
49	19-08-2021	20-25 nos Wild Elephant	Binnaguri TG	Driven towards Forest Khuttimari	Nil	
50	23-08-2021	Leopard	Lakhipara T.G	Leopard Cage installed, Aware local public		
51	27-08-2021	Leopard	Gandrapara T.G	Leopard Cage installed, Aware local public		
52	27-08-2021	1 nos , Wild Elephant Calf	Karbala TG	Rescue and release Forest d at Reti	Nil	
53	29-08-2021	3-4 nos Elephant	Palashbari TG	Driven towards Reti Forest	Nil	
54	31-08-2021	15-16 nos Elephant	AmbariTG	Driven towards Diana Forest	Nil	
55	01-09-2021	20-25 nos Elephant	AmbariTG	Driven towards Diana Forest	Nil	
56	01-09-2021	1 nos , Male, Adult Wild Bore	Daukimari	Rescue and released at Sonakhali Forest	Nil	
57	04-09-2021	Leopard, Female , Adult	Gandrapara T.G	Rescued, Aware local public		
58	10-09-2021	Leopard	Amguri Khayerbari	Awariness done	Leopard lifted goat	

59	13-09-2021	15-16 nos Elephant	Airfield	Driven towards Totapara Forest	Nil	
60	14-09-2021	Leopard	Kumlai 2 No. Ghoomtee	Area cordoned off and awareness done	NIL	
61	15-09-2021	Leopard	Manabari TE	Area cordoned off and awareness done	NIL	
62	19-09-2021	12-14 nos Elephant	Airfield	Driven towards Khuttimari Forest	Nil	
63	20-09-2021	15-16 nos Elephant	Binnaguri TG	Driven towards Reti Forest	Nil	
64	21-09-2021	20-25 nos Elephant	DudumariBasti	Driven towards Diana Forest	Nil	
65	22-09-2021	12-14 nos Elephant	Jalapara	Driven towards Diana Forest	Nil	
66	24-09-2021	Elephant 3nos	Targhera Army Camp	Driven towards Targhera Forest	NIL	
67	30-09-2021	10-12 nos Elephant	Palashbari TG	Driven towards Reti Forest	Nil	
68	05-10-2021	20-22 nos Elephant	New Dooars TG	Driven towards Diana Forest	Nil	
69	07-10-2021	18-20 nos Elephant	Binnaguri TG	Driven towards Reti Forest	Nil	
70	09-10-2021	Leopard	Panbari office para	Installed a cage	Leopard lifted goat	
71	09-10-2021	15-16 nos Elephant	DudumariBasti	Driven Forest towards Totapara	Nil	
72	09-10-2021	15-16 nos Elephant	DudumariBasti	Driven towards Totapara Forest	Nil	
73	11-10-2021	15-16 nos Elephant	Kathalguri TG	Driven towards Reti Forest	Nil	
74	12-10-2021	Elephant	Soongachi	Driven towards Burikhola forest	NIL	
75	22-10-2021	Gour -02 nos	Jaldhaka river bed area at Barohati, PS- Maynaguri	The animals were ill, try to transport	None	
76	24-10-2021	Elephant Herd	Baintgoorie	Driven towards Targhera Forest	NIL	
77	26-10-2021	Leopard	Gandrapara TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
78	03-11-2021	Leopard	Panbari colony	Installed a cage	Leopard lifted poultry	
79	03-11-2021	Leopard	Bataigol Soongachi	Driven towards TG and Awareness done	NIL	
80	04-11-2021	1 nos , Elephant Calf	Army Cantonment, Binnaguri	Rescue and released at Reti Forest	Nil	
81	05-11-2021	Elephant	Damdin TE	Driven towards Targhera Forest	NIL	
82	08-11-2021	Eelphant	Chel line,Ranicherra	Driven towards Targhera Forest	NIL	
83	09-11-2021	10-12 nos Elephant	Dianabasti	Driven towards Diana Forest	Nil	
84	10-11-2021	Leopard	Kamarghat, Ramsai	Awarness done	-	
85	12-11-2021	Leopard	Panbari colony	Installed a cage	Leopard lifted	

					poultry	
86	14-11-2021	Elephant-02 nos	Jalpaiguri AC college	Driven towards Denguajhar to Bodaganj forest	---	
87	18-11-2021	Leopard	Mainatali, Jaldhaka	Leopard driven to Khairkata Forest, Aware local public		
88	19-11-2021	1 nos Elephant	Dianabasti	Driven towards Kherkata Forest	Nil	
89	19-11-2021	4 nos Elephant	Binnaguri	Driven towards Reti Forest	Nil	
90	25-11-2021	Elephant -11 nos	Lataguri bazaar	Driven towards Lataguri Jharmatiali forest	----	
91	30-11-2021	1 nos Elephant	DudumariBasti	Driven towards Diana Forest	One Person Died	
92	01-12-2021	Leopard (2) Nos.	Mahakal More	Driven towards TG and Awareness done	NIL	
93	03-12-2021	15-16 nos Elephant	Chunabhati TG	Driven towards Diana Forest	Nil	
94	08-12-2021	1 nos Elephant	DudumariBasti	Driven towards Totapara Forest	Nil	
95	09-12-2021	3 nos Elephant	Diana Basti	Driven towards Diana Forest	Nil	
96	10-12-2021	Leopard	Karbala TG	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
97	10-12-2021	Leopard	Soongachi TG	Area cordoned off and awareness done	NIL	
98	10-12-2021	3 nos Elephant	Chunabhati TG	Driven towards Diana Forest	Nil	
99	11-12-2021	Elephant	Dalimkote	Driven towards Burikhola forest	NIL	
100	12-12-2021	1 nos Elephant	Jalapara	Driven towards Diana Forest	Nil	
101	14-12-2021	Leopard	Bataigol Soongachi	Area cordoned off and awareness done	Livestock damage	
102	16-12-2021	7-8 nos Elephant	Lakhipara TG	Driven towards Diana Forest	Nil	
103	16-12-2021	1 nos Black Beer	Gandapara TG	Driven towards Reti Forest	Nil	
104	19-12-2021	1 nos Black Beer	Chanadipa	Rescued And send to Upper Neora Range	Nil	
105	27-12-2021	12-14 nos Elephant	Airfield	Driven towards T Forest otapara	Nil	
106	28-12-2021	2 nos Rhino	Kalabari	Driven towards Nathua Forest	Nil	
107	31-12-2021	1 nos Elephant	Kalakhamba	Driven towards Sonakhali Forest	Nil	
108	02-01-2022	Leopard	Khemanhat, Kawagab	Awareness done	--	
109	07-01-2022	Leopard	Allay basti, Lakhipara TG area	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
110	12-01-2022	Leopard	Pachim dalaigaon	Area cordoned off and awareness done	Person injured	
111	20-01-2022	12-14 nos	Uttar Salbari	Driven towards Kherkata	Nil	

		Elephant		Forest		
112	20-01-2022	4 nos Elephant	Mangalkata	Driven towards Totapara Forest	Nil	
113	30-01-2022	Leopard	Ambari TG area	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
114	30-01-2022	1 nos Elephant	Alay Basti	Driven towards Diana Forest	Nil	
115	07-02-2022	Leopard	Munsipara Nepuchapur	Driven towards TG and Awareness done	Livestock damage	
116	08-02-2022	Leopard (3) Nos.	Bansh Bari Busty	Driven towards TG and Awareness done	Livestock damage	
117	11-02-2022	Leopard	Nepuchapur Busty	Driven towards TG and Awareness done	Livestock damage	
118	11-02-2022	1 nos Elephant	Army cantonment, Binnaguri	Driven towards Reti Forest	Nil	
119	14-02-2022	Leopard	Bansh Bari Busty	Driven towards TG and Awareness done	Livestock damage	
120	17-02-2022	Leopard	Goodhope TG	Area cordoned off and awareness done	Person injured	
121	19-02-2022	Leopard	Damdin TG	Area cordoned off and awareness done	Person injured	
122	22-02-2022	Leopard	Baintguri TG	Area cordoned off and awareness done	Person injured	
123	23-02-2022	Leopard Calf	Nagaiswree TG	Nagrakata PS & other forest staffs	NIL	
124	23-02-2022	10-12 nos Elephant	Banarhat TG	Driven towards Totapara Forest	Nil	
125	23-02-2022	Monkey	Maynaguri road	Rescued and sent to NIC, Lataguri	----	
126	24-02-2022	Leopard	Ambari TG area, Sec no- 76,	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
127	25-02-2022	Leopard	Dhupguri	Tranquilized, Aware local public		
128	25-02-2022	2 nos Elephant	Banarhat TG	Driven towards Totapara Forest	Nil	
129	01-03-2022	Leopard	Gunjanjhora TG	Area cordoned off and awareness done	NIL	
130	03-03-2022	Leopard	Ranichera TG Kothi Line	Driven towards TG and Awareness done	NIL	
131	03-03-2022	20-25 nos Elephant	Red Bank TG	Driven towards Diana Forest	Nil	
132	04-03-2022	Leopard	Bhutabari Line Meenglass	Driven towards TG and Awareness done	NIL	
133	05-03-2022	Leopard	Rungamatee TG	Area cordoned off and awareness done	Person injured	
134	05-03-2022	Leopard	New Station Line Ranichera	Driven towards TG and Awareness done	NIL	
135	06-03-2022	Leopard	Panicolline Gunjanjhora TG	Driven towards TG and Awareness done	NIL	
136	07-03-2022	Leopard	Factory line Gunjanjhora TG	Driven towards TG and Awareness done	Person injured	
137	07-03-2022	20-25 nos Elephant	New Dooars TG	Driven towards Diana Forest	Nil	



138	08-03-2022	Leopard	Neora TG	Area cordoned off and awareness done	NIL	
139	10-03-2022	Leopard	Binnaguri TG area, Sec No- 8/5	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
140	10-03-2022	Leopard	Soongachi Naktee TG	Area cordoned off and awareness done	NIL	
141	11-03-2022	Leopard	Manabari TG Labour Line	Driven towards TG and Awareness done	NIL	
142	14-03-2022	Leopard	Manabari TG Labour Line	Driven towards TG and Awareness done	NIL	
143	15-03-2022	Leopard	Chamurchi T.G , Sec No- 4	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
144	17-03-2022	10-12 nos Elephant	Binnaguri TG	Driven towards Reti Forest	Nil	
145	18-03-2022	Leopard	Ranichhera New Station Line	Driven towards TG and Awareness done	Livestock damage	
146	18-03-2022	20-25 nos Elephant	Binnaguri TG	Driven towards Reti Forest	Nil	
147	19-03-2022	Leopard	Damdin bazarline (Back side)	Driven towards TG and Awareness done	NIL	
148	20-03-2022	Leopard	Shirubari patharjhora TG	Awareness done	Liv damage estock	
149	21-03-2022	20-25 nos Elephant	Chunabhati TG	Driven towards Reti Forest	Nil	
150	22-03-2022	Leopard	Bataigol Soongachi	Driven towards TG and Awareness done	NIL	
151	24-03-2022	Leopard	Soongachi Naktee Lavour Line	Driven towards TG and Awareness done	NIL	
152	27-03-2022	Leopard	Leesh river TG	Area cordoned off and awareness done	NIL	
153	28-03-2022	Leopard	Chanadipa Village	Staff visited spot, Aware local public, Patient sent to Govt. Hospital for treatment	Human Injury	
154	28-03-2022	Leopard	Ranichera TG	Area cordoned off and awareness done	Person injured	
155	28-03-2022	Leopard	Bhuttabari line Meenglass	Driven towards TG and Awareness done	Livestock damage	
156	28-03-2022	20-25 nos Elephant	Kalabari TG	Driven towards Kherkata Forest	Nil	
157	07-09-2021	Tiger	Hentalbari JFMC area under Basirhat Range	Instructed by the senior officer of STR, the dog squad of STR rushed to the spot immediately and searched both the places (Emlibari & Hentalbari JFMC area) , Next day (08.09.21) again started searching operation in the area and observed pug mark approaching deep	Nil.	No casualties

				forest at Jhila – 3.		
158	31-12-2021	Tiger	Charghery-Lahiripur G.P. Village	Instructed by the senior officer of STR, Reached the RO/SWLS Ranger and others staffs at about 5.30 a.m on 31.12.21 again started searching operation in the area and observed pug mark approaching deep forest (02.01.22) at Panchamukhani – 2.	Nil	No casualties
159	10.09.2021	Asian elephant (Herd)	Madbavita village	Driven to forest	6 bigha of paddy field damaged	
160	10.04.2021	Leopard	Kamlabagan	Railine	Attacked a cow	
161	15.11.2021	Leopard	Dhaniya more, Phansidewa	Driven and entered Bangladesh territory	Attacked a cow however it was not killed	
162	05.10.2021	Leopard	Phansidewa Town	Driven away from the town area and it straight entered Bangladesh	Attacked a cow however it was not killed	
163	15.12.2021	Nil gai	Bidhannagar	Driven towards Nepal	No damage	
164	20.12.2021	Asian Elephant	Tetliguri	Driven towards Bagdogra forest	No damage	
165	07.04.2021	Elephant	Painakumari	Elephant was guided inside the forest	3 Nos. of House damaged	
166	14.04.2021	Leopard	Malivitta village of Simulbari T.E.	The locals were distributed crackers and regular patrolling	One man was injured	
167	25.04.2021	Elephant	Painakumari	Elephant was guided inside the forest	1 No. of House damaged	
168	28.04.2021	Elephant	Fulbari Patan T.E.	Elephant was guided inside the forest	2Nos. of House damaged	
169	14.05.2021	Leopard	Damphaytar, Dudhiya	Crackers were distributed	One Goat was Killed	
170	31.05.2021	Leopard	Putinbari T.E.	Crackers were distributed	One lady was injured	
171	27.06.2021	Leopard	Damphaytar, Dudhiya	Crackers were distributed	One Goat was Killed	
172	07.07.2021	Elephant	Siptiguri Village of New Chumta T.E..	Elephant was guided inside the forest	1 No. of House damaged	
173	08.06.2021	Elephant	Mirik Matigara Road	Elephant was guided inside the forest	One man was injured	
174	08.07.202	Elephant	Bamanpokhari F,V,	Elephant was guided inside the forest	2Nos. of House damaged	
175	13.07.2021	Elephant	Simulbari T.E.	Elephant was guided inside the forest	1 No.sof House damaged	
176	26.07.2021	Elephant	Simulbari T.E.	Elephant was guided inside the forest	1 No. of House damaged	

177	14.08.2021	Elephant	Simulbari T.E.	Elephant was guided inside the forest	3 Nos. of House damaged	
178	18.08.2021	Elephant	Painakumari	Elephant was guided inside the forest	1 No. of House damaged	
179	19.08.2021	Elephant	Simulbari T.E.	Elephant was guided inside the forest	4 Nos. of House damaged	
180	20.08.2021	Elephant	Simulbari T.E.	Elephant was guided inside the forest	1 No. of House damaged	
181	07.09.2021	Elephant	Fulbari Patan T.E.	Elephant was guided inside the forest	2Nos. of House damaged	
182	15.09.2021	Leopard	Marionbari T.E.	Crackers were distributed	One Cow was Killed	
183	17.09.2021	Elephant	Dudhiya	Elephant was guided inside the forest	2Nos. of crop damaged	
184	09.10.2021	Elephant	Dudhiya	Elephant was guided inside the forest	3 Nos. of crop damaged	
185	20.10.2021	Elephant	Simulbari T.E.	Elephant was guided inside the forest	1 No. of House damaged	
186	27.09.2021	Leopard	Singbulli T.E.	Crackers were distributed	One Goat was Killed	
187	31.11.2021	Leopard	Dudhiya Mandir gaon	Crackers were distributed	One man was injured	
188	25.12.2021	Elephant	Marionbari T.E.	Elephant was guided inside the forest	1 No. of House damaged	
189	18.01.2022	Leopard	Siptiguri Village of New Chumta T.E.	Crackers were distributed	One man was injured	
190	16.02.2022	Leopard	Simulbari T.E	Crackers were distributed	One man was injured	
191	26.02.2022	Leopard	Siptiguri Village of New Chumta T.E.	Crackers were distributed	One man was killed	
192	30.03.2022	Elephants	Dudhia	Elephant was guided back to the forest	1 no. of House damage	
193	21.12.2021	Leopard	Near Sevoke Bazar.	Staffs engaged for depredation duty day & night	Livestock killed	---
194	14.03.2022	Leopard	Near Chamukdangi Village	-do-	-do-	---
195	29.07.2021	Monitor Lizard	Kankeybong Village	-do-	Nil	---
196	19.09.2021	Himalayan Black Bear	Srikhola Village, fringe area	-do-	Injured person a	---
197	11.12.2021	Himalayan Black Bear	Samanden village	-do-	Injured person a	---
198	14.04.2021	Leopard	Nayabusty, 6 <sup>th</sup> Mile	-do-	Livestock killed	---
199	04.05.2021	Wild boar	Nayabusty, 6 <sup>th</sup> Mile	-do-	Damaged maize field	---
200	15.10.2021	Himalayan Black bear	DawaipaniBhotia Busty	-do-	Livestock killed	---

201	20.10.2021	Himalayan Black bear	DawaipaniBhotia Busty	-do-	Livestock killed	---
202	20.10.2021	Wild boar	Rampuria F.V.	-do-	Damaged vegetable field	---
203	10.11.2021	Wild boar	Rampuria F.V.	-do-	Damaged vegetable field	---
204	03.12.2021	Himalayan Black bear	Gaddhikana village	-do-	Livestock killed	---
205	09.12.2021	Leopard	Subandhura village	-do-	Livestock killed	---
206	15.12.2021	Wild boar	Rampuria F.V.	-do-	Damaged vegetable field	---
207	15.12.2021	Leopard	Subandhura village	-do-	Livestock killed	---
208	21.12.2021	Wild boar	Rampuria F.V.	-do-	Damaged vegetable field	---
209	02.01.2022	Wild boar	Rampuria F.V.	-do-	Damaged vegetable field	---
210	24.01.2022	Himalayan yellow throated marten	Nayabusty, 6 <sup>th</sup> Mile	-do-	Livestock killed	---
211	25.09.2021	Leopard	Munda T.E.	-do-	Nil	---
212	17.10.2021	Himalayan Bear	Refugee Centre Sonada	-do-	Nil	---
213	07.12.2021	Tiger	Bhubaneswari Village, Near Subal Halder Ar More, Kultali Beat, Raidighi Range	One tiger had been capture by cage in paddy field at about 9:18 pm and it is kept under observation.	Nil	Tiger straying, capturing and release in safe condition at dhulibhasani-7 compartment under ramganga range
214	23.12.2021	Tiger	Garankathi, Gp-Gopalgunj, & Dongajora, Merigunj-2 Gp, Ps Kultali & Vill-Dongajora Shekpara, Gp-Merigunj-Ii, Ps-Kultali Peyali Beat, Baruipur Range	Tiger has been capture on 28.12.2021 and thereafter the tiger has been kept in cage and released on dh-4	Nil	Tiger Straying, Capturing and release in safe condition at Dulibhasani-4 Compartment under Raidighi Range.
215	09.02.2022	Tiger	Deulbari Petkulchand, Kultali under Raidighi Range.	The female tiger has been capture on 10.02.2022 and thereafter the tiger has been kept in cage	Nil	Tiger Straying, Capturing and release in safe condition at Chamta Caompartment No.5, National Park East (STR)
216	21.02.2022	Tiger	Bhubaneswari RF	The Male tiger had been	Nil	Tiger

			area (purba sridharpur),gp-nagendrapur, block-mathurapur-ii, ps-raidighi	strayed on 09.02.2022 and capture in cage on 21.02.2022 at about 2:20 pm		Straying, Capturing and release in safe condition at Chamta Caompartment No.5, National Park East (STR)
217	16.06.2021	Crocodile	Namkhana HQ Beat of Fatickpur village of Budhakhali GP of Kakdwip Block under Namkhana Range.	Rescued one (1 no.) Crocodile Hatchling & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
218	08.07.2021	Crocodile	Bijoybati villages of Fresergange GP by North Bakkhali Beat under Bakkhali Range.	Rescued one (1 no.) estuarine Crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
219	11.07.2021	Crocodile	Budhakhali of Namkhana Block , Beat-Namkhana HQ under Namkhana Range.	Rescued one (1 no.) Crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
220	22.09.2021	Crocodile	FALTA -SEZ-SECTOR 2 , BY the Bhagabatpur crocodile rescue rapid action team under Bhagabatpur Range.	A sweet water crocodile rescued & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
221	21.10.2021	Crocodile	Nitai Das's pond in Ambikanagar under Raidighi Range and released at Ajmalmari-9 compartment at about 7:30 AM in Bonnie Camp area.	Rescued one (1 no.) 14 foot crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
222	16.11.2021	Crocodile	Gorankanthi of kutali block (16.11.2021) at about 12.23 Pm. and released in nature under Baruipur Range	One (1 no.) baby crocodile has been rescued & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
223	18.11.2021	Crocodile	Sri Biswajit Das fishing Boat of Kulpi, near Brick field on the switch gate khal, PS-Kulpi, Beat-Usthi under	Rescued one (1 no.) Salt water Crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.



			Diamond Harbour Range and send to Bhagabatpur crocodile project			
224	25.12.2021	Crocodile	Jharkhali-3 no. under Matla Range and released in Herobhanga river	Rescued one (1 no.) small Crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
225	21.01.2022	Crocodile	Jharkhali under Matla Range and released in Herobhanga River.	Rescued one (1 no.) Crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
226	11.03.2022	Crocodile	Nagenabad FPC village side sweet water pond of Nalgora Beat under Raidighi Range and released at Lakhi Khal of Ajmalmari-10 at about 6:20 PM of Bonnie Camp.	Rescued one (1 no.) Crocodile (approx-5 feet) & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.
227	25.03.2022	Crocodile	Sagar Island and translocate to Bhagabatpur Range.	Rescued one (1 no.) Crocodile & medical examination done.	Nil	Crocodile straying, capturing & released in safe condition at Bhagabatpur.

A number of elephants die on the railway tracks passing through elephant corridors of North Bengal as well as South Bengal. To reduce such deaths, several steps have been taken by Directorate of Forests like, construction of 5 new passes in Chapramari Wildlife Sanctuary, 2 Ramps in Jaldapara National Parks, railway girders and rail fencing in Mahananda Wildlife Sanctuary, engagement of Elephant Trackers to monitor the movement of Wild Elephants and informing the same to Railways. However, elephant tracking cannot be done through whole of the 168 KM stretch tracks cutting across the forest north south and continuous monitoring of elephants inside forests is neither possible nor desirable, inside Protected Areas. Since the entire landscape of North Bengal is a very good habitat and is home for Asian Elephants, engaging trackers to track their movement is practically impossible as approx. 600 elephants are distributed either as loner or in herds and are migratory in nature.

The following actions are also being taken to prevent elephant deaths due to train accident :-

1. Speed limit restrictions of different trains are imposed at various stretches in North Bengal as per the decision taken in meeting with Railways.
2. Clearance of vegetation on the side of Railway track is going on for creating longer visibility to train drivers.
3. Signage of Board to pre-warn the Loco pilots in different places is done.
4. Forest Deptt.'s staff is posted in Alipurduar Junction Control Office, who is engaged in communication of elephant movement intimations from the field to control room of Railway for taking necessary action as soon as possible.
5. Railways Authority is requested to make general awareness among passengers to keep Railway track free from food waste that attracts elephants.
6. For South Bengal awareness has been created and signages are placed at the sensitive places of elephant crossing points.
7. Approval for work of survey on Elephant Corridors along the railway tracks in North Bengal has been given to the Asian Nature Conservation Foundation, Indian Institution of Science of Bangalore.
8. The field evaluation of functioning and feasibility of implementing the 'e-eye' surveillance system from Siliguri to Alipurduar Sector is going on.

The following actions are taken for wildlife conservation:

1. Creating Protected Areas such as 16 numbers of Wildlife Sanctuaries and 6 numbers of National Parks.
2. Delegation of Powers under Section 5 of the Wildlife (Protection) Act, 1972:-  
Powers have been assigned to all Territorial and Wildlife officers at different levels:  
Addl. PCCFs (Wildlife & Territorial) have been declared the Addl. Chief Wildlife Wardens, and Chief Conservator of Forests / Conservator of Forests -- Deputy Chief Wildlife Wardens,  
Divisional Forest Officers -- Wildlife Wardens, Assistant Divisional Forest Officers -- Assistant Wildlife Wardens.
3. Notable wildlife conservationists have been designated as Honorary Wildlife Wardens, in their designated districts.

4. Regular and extensive patrolling by forest staff in Sanctuaries, National Parks and other forest areas to keep surveillance over the wildlife species.
5. Strengthening of communication & wireless network.
6. Provision of arms & ammunitions to the staff involved in protection work as per available stock.
7. Habitat Improvement – Creation of fodder grass and tree fodder plantation, creation of waterholes.
8. Training and awareness camps for JFMC and local villagers.
9. Construction of protection camps, watch towers, etc. at strategic locations to keep vigil.
10. Setting up of Forest Protection Force in vulnerable areas.
11. Establishment of intelligence network for collecting information and provision for rewards.
12. Coordination amongst various parallel law enforcement agencies, like Police, BSF, SSB, Customs, etc.
13. Establishment of legal cells in forest divisions to provide prosecution support.
14. Intensive monsoon patrolling.
15. Liaising with Wildlife Crime Control Bureau.
16. As per approval of the State Board for Wildlife in its 9<sup>th</sup> meeting on 10.02.15, West Bengal Wildlife Crime Control Co-ordination Committee has been formed with the PCCF, Wildlife and CWLW, WB as Chairman. Wildlife Crime Control Cell at South Bengal and Wildlife Crime Control Cell at North Bengal have been established with headquarters at Kolkata and Siliguri respectively.
17. Inter-State Co-ordination Committee to deal with problems of migratory elephants has been formed.
18. Preparation of databases for wildlife offenders as a precautionary measure in the enforcement initiatives.
19. Ecological restoration of critical wildlife corridors and routes has been taken to improve the efficacy of the movement of the elephants along the corridors.
20. Proposal for formation of Rapid Response Force (RRF) in vulnerable areas has been forwarded to the Govt. of West Bengal for necessary notification.

#### **4.12 Measures taken for protection of migratory elephants across inter-state borders:**

1. To increase inter-state Co-ordination in managing elephant depredation, different inter-state Co-ordination meetings of the Chief Wildlife Wardens were held between neighbouring states of West Bengal, Assam, Jharkhand, Odisha, Andhra Pradesh and Chattisgarh.
2. Electrocuting cells have been formed in the districts of Darjeeling, Jalpaiguri and Alipurduar involving representatives of Police, General Administration, Panchayet, Forest and West Bengal State Electricity Board. These cells are monitoring that no casualty is done by illegal electrocution. The Chief Conservator of Forests, Wildlife (North) has been authorized to monitor and report time to time.

### 3. Monthly Meeting to mitigate Human-Elephant Conflict :-

In order to review the present management practices of **human-elephant conflict in southern West Bengal**, regular meetings are convened by the PCCF, Wildlife and CWLW,WB involving CCFs of CC,WC,SWC and SEC at the Wildlife (Headquarters). The specific agenda items on which the meeting discusses are :

- 1) Functioning of Elephant Monitoring Co-ordination Committee (EMCC).
- 2) Submission of Daily Monitoring Report of Movement of Elephants.
- 3) Capacity Building Programmes on Tranquilization and Individual Elephant Identification.
- 4) Solitary Elephant Dossier.
- 5) Status of Compensation, in standard format.
- 6) Item-wise progress of various Central Sector Schemes.
- 7) Item-wise progress of State Plan schemes on Wildlife Conservation.
- 8) Miscellaneous.

### 4.13 Innovative Actions Taken to Mitigate Human Elephant Conflict in South West Bengal

1. **Elephant Driving Squad Vehicle** : A vehicle named as “Airawat” has been introduced in the Districts of Bankura, Paschim Medinipur, Jalpaiguri and Alipurduar for immediate action in elephant depredation situations and minimizing the loss to the villagers at the maximum level as this vehicle is equipped all modern technology to counter the situation.
2. **EMCC (Elephant Movement Co-ordination Committee)** : An EMCC for South Bengal headed by a CCF was formed vide PCCF, HoFF's Order No. 19/Misc./CS/2016 Dated 04.04.2016 and it has been working very effectively, resulting in less damage and human deaths.
3. **Bulk SMS – Advance Warning System** : Bulk SMS System has been made operational in 60% areas in North Bengal since 23.05.2016 and that in South Bengal in 100% areas since 14.07.2016. this system alerts the people (the villagers, the public representatives, the Police) about the presence of Wild Elephant in the area.
4. **Issuance of Standard Operating Procedures(SOPs)** :
  - a. SOP on “ Emergency Arising Due to Straying of Wild Animals in Human Dominated Landscape in West Bengal” was issued vide PCCF, Wildlife & CWLW,WB's Order No. 2012/WL/2W-769/2016 dated 15.04.2016 and is now operational.
  - b. SOP on “ Dealing with Carcass of Major Animals in West Bengal” was issued vide PCCF, Wildlife & CWLW,WB's Order No. 2013/WL/2W-769/2016 dated 15.04.2016 and is now operational.
  - c. SOP on “Dealing with Human Casualty / Injury caused by Wild Animals in West Bengal” was issued

vide PCCF, Wildlife & CWLW,WB's Order No. 5233(4)/WL/2W-769/2016 dated 16.11.2016 and is now operational.

5. **Daily Monitoring of Elephants:** All the elephant affected Divisions submit report in a prescribed format giving the detailed location of wild elephant (loner / herd / maljurian / residential / migratory) with approximate number in their jurisdiction, on daily basis. This report is very important in coping with possible depredation of wild elephant and preparation of the same in advance which includes alerting the local villagers about the movement of the elephant(s) nearby. This practice has been made operational since May,2016.
6. **Daily Monitoring of Human-Elephant Conflict :** All the elephant affected Divisions submit report in a prescribed format giving the details of death / injury of villagers / staff by wild animals/elephants with report of hut damage/crop damage etc. on daily basis. This practice has been operational since May,2016.
7. **Elephant Barriers :** A total of 140.848 kms of Elephant Proof Trench have been dug and 223.98 kms of Elephant Proof Electric Fencing have been erected to control elephant depredation in human populated areas.
8. **Watch Towers :** A total of 23 Watch Towers have been constructed in South Bengal in order to Mitigate the elephant depredation in villages.

#### 4.14 Measures taken to prevent Human-Tiger conflict:

- 1) The Nylon Net Fencing (NNF) has been erected over 96 kms. long which separates forest area from the human populated villages and thus the tiger intrusion into village area has drastically reduced in last 5 years.
- 2) The NNF are daily monitored and repairing done immediately according NNF Monitoring Protocol.
- 3) Modern techniques for tranquilization and capturing instruments including highly sophisticated cages has been equipped to cope up with any type of tiger straying incidents.
- 4) Constant awareness camps, JFMC meetings and public demonstration have been carried out throughout the year for prohibiting fishermen villagers from fishing in the restricted areas of the STR.
- 5) Top-to-bottom monitoring of staff duty by using Smart phones, mobile data, internet etc. along with keep observing the movement of wild animals like tiger time to and generating report thereof by the method of E-patrolling.



- 6) Implementation of UAV/Drone for generating the live imageries and videos from that movement of tiger as well as human being.

#### **4.13 Monitoring the movement of tigers through electronic surveillance in Sundarbans:**

**E-Patrolling** - Top-to-bottom monitoring of staff duty by using Smart phones, Mobile data, Internet etc. along with keen observing the movement of wild animals like tiger time to time and generating report thereof; implemented since 2015-16, approximately in half of the area of Sundarban Tiger Reserve.

**Camera Trapping** - Monitoring and photo or video-capturing the movement of tiger by using infrared-triggered camera method and management thereof. It is an ongoing implementation since 2011-12.

**E-Protection Monitoring Protocol** - Keen supervision and Monitoring of wild animals, offences, staff duty – all by using Smart phones, Mobile data, Internet etc.

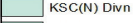
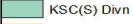
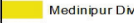




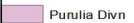




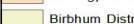

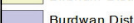
**Radio-Collaring** - Radio-collaring of 10 tigers was initiated. After radio-collaring electronic signals are emitted from the transmitter within the radio collar wearing by living tiger and that was captured by the satellite and transmitted to the main server and through that their movements are monitored. Approved in 2013. Implementation is going on.

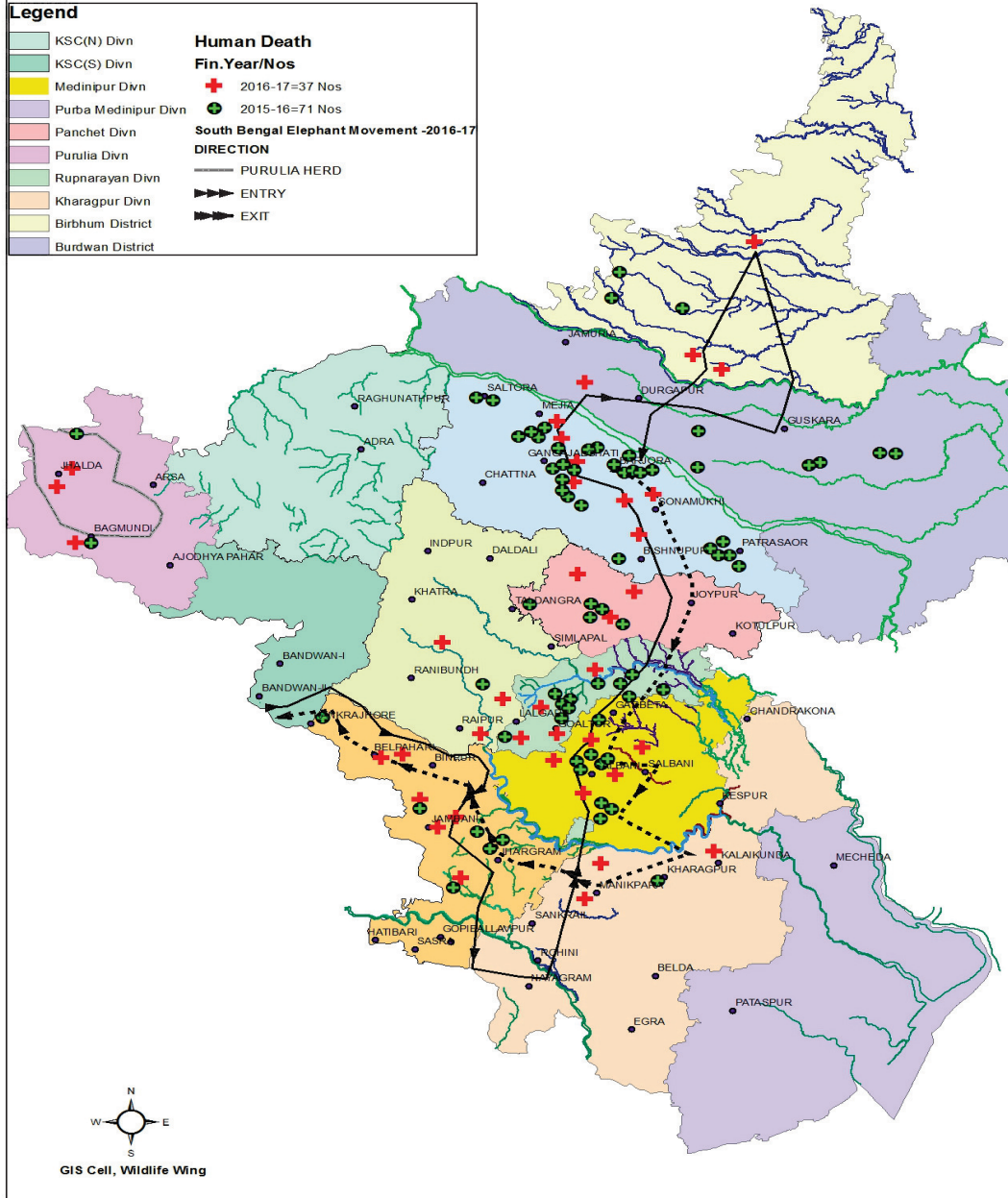
**UAV** - UAV technology is being implemented by using drone, that generates the live imageries and videos from the movement of tiger as well as human being and that will be easily monitored in any area.



### HEC affected South Bengal Division/Districts

#### Legend

	KSC(N) Divn	<b>Human Death</b>
	KSC(S) Divn	<b>Fin.Year/Nos</b>
	Medinipur Divn	 2016-17=37 Nos
	Purba Medinipur Divn	 2015-16=71 Nos
	Panchet Divn	<b>South Bengal Elephant Movement -2016-17</b>
	Purulia Divn	<b>DIRECTION</b>
	Rupnarayan Divn	 PURULIA HERD
	Kharagpur Divn	 ENTRY
	Birbhum District	 EXIT
	Burdwan District	









5

**SEIZURE OF WILDLIFE  
AND WILDLIFE ARTICLES  
IN WEST BNEGAL**





## 5.01 Seizure of Wildlife and Wildlife articles in West Bengal

Control of illegal trade in wildlife articles poses a major challenge to the Forest Department of West Bengal. Due to the geographic location of West Bengal and the prevailing socio-economic scenario of the region, West Bengal has become a major transit point in the movement of the illicit wildlife and its articles. It is evident from the series of seizures that the Doars and the Terai region of North Bengal seems to offer a viable route to the miscreants involved in illicit wildlife article trade. The North-East and Bhutan seems to be the origin and the produces are destined largely to China via Nepal.

The Wildlife Wing of the West Bengal Forest Department, in co-ordination with other enforcement agencies like the Wildlife Crime Control Bureau, the Police Department, Customs authorities, etc. keeps a strict vigil to prevent such activities. Of late, the Wildlife Wing has been successful in apprehending a number of offenders involved in this trade that has helped in busting of illegal rackets involved in such activities, both in the North Bengal and in Kolkata.

### Seizure of Wildlife & Wildlife Articles reported during the year 2021-22

Sl. No.	Seized items	Qty.
1.	Indian Birds	1346 Nos.
2.	Snake	49 Nos.
3.	Snake venom	7 jars & 1.288 kg.
4.	Turtle	704 Nos.
5.	Turtle shell	4.5 kg.
6.	Tortoise	8 Nos.
7.	Elephant tusk	0.136 kg.
8.	Elephant ribs	0.052 kg.
9.	Ivory & ivory articles	5 Nos.
10.	Gecko	5 Nos.
11.	Leopard skin	4 Nos.
12.	Leopard meat	15 pc.
13.	Leopard paws	2 Nos.
14.	Deer meat	400 gm.
15.	Deer antler	1 No.
16.	Deer horn with head	3 Nos.
17.	Deer skin	1 No.
18.	Shatoosh Shawl	296 Nos.
19.	Squirrel	1 No.
20.	Mongoose	11 Nos.
21.	Pangolin	1 No.
22.	Pangolin skin	1 No.
23.	Pangolin scale	1.5 kg.
24.	Monitor Lizard	15 Nos.
25.	Dolphin	1 No.
26.	Bear bile	0.008 kg.
27.	Musk pod	0.062 kg.
28.	Small Shark	132 Nos.
29.	Wild Boar (body parts)	18.260 kg.
30.	Tortoise skin	24 Nos.
31.	Elephant (Carcass)	3 Nos.
32.	Monkey	7 Nos.

## Wildlife Offence under Wildlife (Protection) Act, 1972 during 2021-22

Division	POR	COR	UDOR	Person arrested
Gorumara Wildlife Division	9	40	29	13
Jalpaiguri Division	5	0	0	8
Kurseong Division	10	0	0	28
Raiganj Division	4	0	4	8
Birbhum Division	0	0	1	0
Kharagpur Division	2	0	0	3
Medinipur Division	0	385	117	1
Purulia Division	0	302	22	0
24-Parganas (South) Division	3	0	2	6
Sundarban Tiger Reserve	0	2196	3	0
Wildlife (Headquarters)	6	8	55	10
<b>Total</b>	<b>39</b>	<b>2931</b>	<b>233</b>	<b>77</b>





**BUDGET OF  
WILDLIFE WING  
2021-2022**

*Uttarakhand*

## 6.01 Budget 2021-22 of Wildlife Wing:

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
State Plan	Wildlife (HQ)		13463608.00		13455572.00
	Darjeeling WL Division	Construction of RCC Jetty, anti-poaching Barrack etc., POL & Hiring charges of Vehicle, M.Boat, etc., Sinking of Deep Tubewell, Excavation of Sweet Water Pond, Purchase of Solar Street Light, Publicity & awareness programme, Supply of feed & Vet. care for captive animal, Maint. of Fencing, etc.	17904981.00	Construction of RCC Jetty, anti-poaching Barrack etc., POL & Hiring charges of Vehicle, M.Boat, etc., Sinking of Deep Tubewell, Excavation of Sweet Water Pond, Purchase of Solar Street Light, Publicity & awareness programme, Supply of feed & Vet. care for captive animal, Maint. of Fencing, etc.	17404678.00
	Gorumara WL Division		18358001.00		18152300.00
	Buxa Tiger Reserve (West)		24813180.00		24813118.00
	24-Parganas (South)		12136172.00		12122412.00
	24-Parganas (North)		5043341.00		5013903.00
	Sundarban Tiger Reserve		26761789.00		26691961.00
	Jaldapara Wildlife Division		49647134.00		48254980.00
	Purulia Division		1762720.00		1762653.00
	Nadia-Murshidabad Division		15859635.76		15045795.20
	<b>Total-SP</b>		<b>185750561.76</b>		<b>182717372.00</b>
* Centrally Sponsored Schemes	Rupnarayan Division		Plantation, Payment of compensation, Creation of Protection Camp, Earthen Dam, Search light, Batteries, fire crackers, etc. & Engagement of skilled labourers for elephant depredation, operating cost of wildlife squads		573936.00
	Darjeeling WL Division	14380205.00		14379722.00	
	Gorumara WL Division	11613018.00		11157249.00	
	Jaldapara Wildlife Division	9321063.00		8672476.00	
	Buxa Tiger Reserve (West)	10255000.00		10200304.00	
	24-Parganas (North) Division	2730000.00		1356641.00	
	24-Parganas (South) Division	10254544.00		10014645.00	
	Bankura (North) Division	136000.00		136000.00	
	Sundarban Tiger Reserve	71464754.00		66704275.00	
	Panchet Division	3123402.48		2973035.00	
	Kharagpur Division	25183111.00		20283489.00	
	Bankura (South) Division	137000.00		121953.00	
	Raiganj Division	1271567.00		1271567.00	
	Kangsabati South Division	350350.00		247296.00	
	Birbhum Division	1308346.00		349091.00	
	Purba Medinipur Division	295475.00		295475.00	
	Kharagpur Division	13100158.00		11743680.00	
Darjeeling Division	349428.00	349428.00			
<b>Total-CSS</b>	<b>175847357.48</b>	<b>160696241.00</b>			

\* This includes Project Elephant, Project Tiger and National Parks/Sanctuaries



Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
SFDA	Bankura (North) Division	Ex-gratia and elephant driving cost	13459104.00	Ex-gratia and elephant driving cost	12634223.00
	Purulia Division		4599664.00		4599664.00
	<b>Total-SFDA</b>		<b>18058768.00</b>		<b>17233887.00</b>
RKVY	Darjeeling WL Division	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	2754025.00	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	2753781.00
	Gorumara WL Division		2145775.00		2145775.00
	Kurseong Division		1962940.00		1962940.00
	Coochbehar Division		2085900.00		2085900.00
	Nadia-Murshidabad Division		588080.00		588080.00
	<b>Total-RKVY</b>		<b>9536720.00</b>		<b>9536476.00</b>
CAMPA	Darjeeling WL Division	Habitat improvement, etc.	371769.00	Habitat improvement, etc.	371769.00
	Gorumara WL Division		6502578.00		6377524.00
	Jaldapara Wildlife Division		6803114.00		6762047.00
	Purulia Division		678000.00		678000.00
	Kurseong Division		4384928.00		3791477.00
	Burdwan Division		1416455.00		1338495.00
	Bankura (North) Division		950880.00		950880.00
	24-Parganas (South)		420000.00		414982.00
	Sundarban Tiger Reserve		1195000.00		1192172.00
	Coovhbehar Division		489590.00		489590.00
	Nadia-Murshidabad Division		310000.00		310000.00
<b>Total-CAMPA</b>	<b>23522314.00</b>	<b>22676936.00</b>			
MGNREGS	Kurseong Division	Construction of pond, Irrigation channel, etc.	1452578.00	Construction of pond, Irrigation channel, etc.	0.00
	<b>Total-MGNREGS</b>		<b>1452578.00</b>		<b>0.00</b>
WBFBCP/ JICA	Purulia Division	Elephant Drive, Fencing, Operational cost of Mobile Squad	380000.00	Elephant Drive, Fencing, Operational cost of Mobile Squad	379000.00
	Sundarban Tiger Reserve		2717000.00		2510000.00
	<b>Total-WBFBCP/ JICA</b>		<b>3097000.00</b>		<b>2889000.00</b>

## 6.02 Conservation Schemes & Projects:

The Wildlife Wing is implementing various State Plan Schemes, Centrally Sponsored Schemes for conservation of wildlife and their habitat in the State. The various Schemes and Projects implemented by this Wing is as following:

- 1. State Plan Schemes:** Every year fund is received under this scheme for creation and maintenance of plantations, forest protection, timber operation, control of poaching, wildlife conservation in various national parks and sanctuaries, infrastructure development and publicity. For CSS-Project Tiger, 40% share from Non-recurring and 50% share from recurring cost is contributed from the State.
- 2. National Parks & Sanctuaries Schemes:** This is 60:40 Centrally Sponsored Scheme for development of different national parks and sanctuaries in this State. The fund is being provided for habitat development, protection, infrastructure development, Research and Monitoring, awareness generation and eco-development.
- 3. Project Tiger:** This scheme is implemented in Buxa Tiger Reserve and Sundarban Tiger Reserve. Govt. of India provides 60% funds for non-recurring expenditures and 50% for recurring expenditures. The State Govt. contributes 50% of the fund from State Plan for recurring expenditures and 40% of the fund for non-recurring expenditures.
- 4. Project Elephant:** This is 60:40 Centrally Sponsored Scheme for conservation of wild elephant population in the State. The fund is provided for habitat development, infrastructure development, protection, reducing man-elephant conflict and awareness generation specially in Eastern Dooars Elephant Reserve and Mayurjharna Elephant Reserve.
- 5. Conservation & Management of Sundarban Biosphere Reserve:** This is 60:40 Centrally Sponsored Scheme for plantation, protecting eco-development activities of Sundarban Biosphere Reserve.
- 6. Conservation and Management of Sundarban Mangroves:** This is 60:40 Centrally sponsored Scheme for Conservation and Management of mangroves in Sundarbans and includes mangrove plantation, protection infrastructure support and eco-development works.
- 7. Conservation and Management of Wetlands:** This is a new scheme for Wetland Conservation and is 60:40 Centrally Sponsored Scheme. In this state

three wetlands – Ahiron Beel, Rasik Beel and Santragachi Jheel has been identified for funding by Govt. of India. In addition to Sundarbans the scheme includes wetland conservation and eco restoration measures and eco-development activities.

**8. Forest Development Agencies (FDA) :**

The Govt. of India has launched National Afforestation Programme in the 10<sup>th</sup> Five Year Plan and for implementation of this programme decentralized mechanism of Forest Development Agencies at the District level and Joint Forest Management Committee at the Village level. FDA has been formed in the Cooch Behar Division for funding under this scheme.

**9. Rural Infrastructure Development Fund (RIDF):**

Rural Infrastructure Development fund as loan from NABARD is being utilized for undertaking various developmental works for the development of Infrastructure especially for the communities residing in and around the forest.

**10. Rashtriya Krishi Vikash Yojana (RKVY):**

A new Additional Central Assistance scheme to incentivise States to draw up plans for their agriculture sector more comprehensively, taking agro-climatic conditions, natural resource

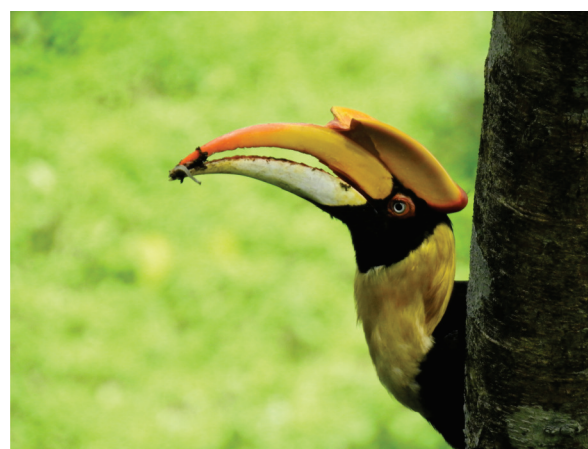
issues and technology into account, and integrating livestock, poultry and fisheries more fully.

**11. Intensification of Forest Management (IFM):**

This is a new scheme for protection of forests, fire management and Infrastructure development in the State with 75% funding from Govt. of India and 25% contribution by the State Govt.

**12. Compensatory Afforestation Fund Management And Planning Authority (CAMPA) :**

Guidelines for establishing CAMPAs in the States/UTs and putting in place a funding mechanism for enhancing forest and tree cover and conservation and management of wildlife by utilising funds received towards Compensatory Afforestation, Net Present Value (NPV), etc.





# ECO-TOURISM





## 7.01 Eco-tourism

### List of Forest Rest Houses under Wildlife Wing

Sl. No.	Name of FRH	Booking done by	Contact details
1	Buxaduar	Buxa Tiger Reserve East Division	03564-256005
2	Jainty FRH		
2 a)	Jainty Annex II		
3	Hatipota		
4	South Rydak		
5	Silbungalow		
6	Kumar gram	Buxa Tiger Reserve West Division	03564-255129
7	Rajabhatkhawa Main		
8	Leo House, Rvk.		
9	Raimatang		
10	Rangamati		
11	Nimati	Range Officer, West Damanpur Range	9734115144 / 9800264388 / 9933675008
12	Ban Mayuri		
13	Sukna FRH	Darjeeling WL Division	0354-2257314
14	Sukna ANNEX		
15	Latpancher FRH		
16	Rambi FRH		
17	Sandakphu FRH		
18	Gorumara FRH	Gorumara WL Division	03561-220017 03561-222233 (Fax)
19	Chapramari FRH		
20	Chilapata FRH	Jaldapara WL Division	03582-227185
21	Kodalbasti FRH		
22	Nilpara FRH		
23	Kunjanagar Eco Cottage		
24	Mendabari Jungle Camp		
25	South Khairbari Eco-Cottage		
26	Lankapara FRH	WBTD (online) & Jaldapara WL Division	
27	Hollong Tourist Lodge		
28	Parmadan FRH	24-Parganas (North)	033-25520968
29	Bakkhali FRH	24-Parganas (South)	033-24799032
30	Namkhana FRH		
31	Golghar Bonnie Camp		

## Tourist visits during 2021-22:

Name of Eco-tourism site (PA / Zoo / Eco-Park / NIC, etc.)	Indian	Foreigner	Revenue earned (in Rs.)
Singhalila National Park	32209	117	3819360.00
Mahananda Wildlife Sanctuary	1272	-	258120.00
Senchal Wildlife Sanctuary	167410	4	9323084.00
Nature Interpretation Centre, Sukna	600	-	6000.00
Eco-tourism, Senchal Wildlife Sanctuary	51243	-	853960.00
Kodalbasti Jungle Safari	984	-	704840.00
Jaldapara National Park	3959	-	475080.00
Car Safari in Jaldapara NP	7159	19	2360234.00
Car Safari in Jaldapara NP (online)	15255	-	2852685.00
Car Safari-Trolley Line	995	2	233886.00
Car Safari-Trolley Line (online)	943	-	176341.00
Elephant Riding in Jaldapara NP	2814	5	3280080.00
Elephant Riding in Jaldapara NP (online)	1773	-	1808460.00
South Khairbari Eco-Park	25319	-	1208271.00
Chilapata Jungle Safari	2353	10	812847.00
Buxa Tiger Reserve (West) Division	56117	33	12608824.00
Jainty Range, Buxa Tiger Reserve (East)	778	-	266540.00
Betuadahari WLS	13123	-	1508280.00
Adina Deer Park	604450	-	746346.00
Raiganj WLS	32807	-	1312280.00
Ballavpur WLS (Deer Park)	36623	-	1544140.00
Amkhoi Fossil Park, Birbhum	4397	-	32050.00
NIC, Birbhum	51	-	251.00
Bardhaman Zoological Park, Burdwan	80539	-	986970.00
Gorumara National Park / Chapramari Wildlife Sanctuary / Neora Valley National Park	32353	13	4271560.00
Bibhutibhusan WLS, Parmadan	9160	-	1133610.00
Tekonia Conservation Reserve	9800	-	49000.00
Jhalda, Matha & Arsha	10675	-	196900.00
Surulia Mini Zoo	25627	-	309472.00
Sundarban Tiger Reserve	109787	134	19974660.00
Sundarban Wild Animal Park, Jharkhali	22798	-	944820.00
Kalash, Ramganga Range	1743	2	216200.00
Bonnie Camp, Raidighi	6631	-	1528200.00
Chintamoni Kar Bird Sanctuary, Baruipur	1925	-	231000.00
Crocodile Project Bhagabatpur	25199	-	251990.00
<b>Total</b>	<b>1398871</b>	<b>339</b>	<b>76286341.00</b>

<b>Name of Eco-tourism site (PA / Zoo / Eco-Park / NIC, etc.)</b>	<b>Indian</b>	<b>Foreigner</b>	<b>Revenue earned (in Rs.)</b>
Tekonia Conservation Reserve	13000		130000.00
Rasikbeel Mini Zoo	87425		1797835.00
Khola Eco Park	18200		182000.00
Jhalda, Matha & Arsha	10675		196900.00
Surulia Mini Zoo	48024		887698.00
S T R Jurisdiction	282834	2269	46655284.00
Sundarban Wild Animal Park, Jharkhali	206866		6146670.00
Kalash, Ramganga Range	3560	7	634920.00
Bonnie Camp, Raidighi	24331	28	3814556.00
Chintamoni Kar Bird Sanctuary, Baruipur	5783	5	694760.00
Crocodile Project Bhagabatpur	48400		484000.00
<b>Total</b>	<b>1851902</b>	<b>4682</b>	<b>151466168.00</b>





Sl. No.	Location	Item	Rate (Normal)	Rate (Online)
<b>9. Guide Charges</b>				
	For North Bengal		200.00	350.00 for certified guide
	For Sundarban Biosphere Reserve & South Bengal		350.00	500.00 for certified guide
	Entry fee for vehicle and person shall be charged separately for dedicated guides retention annual charges		15000.00	
	Elephant Camp visit per person	For Indian	50.00	
		For foreigner	200.00	
	Sufury ride	Per person	100.00	
<b>10. Fees for Shooting</b>				
	For All Protected Areas	(a) Fees for entry of vehicles to the protected areas or the Forest Rest Houses and its premises for Feature Film, shooting Documentary Film making etc. per Vehicle / day	2000.00	
		<b>(b) Camera Charges</b>		
		<b>(i) Documentary Film per Camera / Day</b>		
		1. Govt. Sponsored	2000.00	
		2. Private	10000.00	
		<b>(ii) Television Serial per Camera / Day / Feature Film</b>		
		1. Govt. Sponsored	3000.00	
		2. Private	25000.00	







**TRAINING AND AWARENESS  
PROGRAMMES ON WILDLIFE**



## 8.01 Training and Awareness programmes on Wildlife

Awareness generation on wildlife conservation, is the major thrust area of the wildlife administration of West Bengal. The targeted segments include school children, members of the judiciary, parallel enforcement agencies like the Police Department, Customs, the military, NGOs and even prisoners serving jail sentences. It is an accepted fact that the rise in awareness levels act as a catalyst towards the reduction of wildlife crimes.

Apart from the general awareness generation programmes, the Wildlife Wing also organizes specific training programmes for sensitization and skill up gradation of the staff and officers of the Wildlife Wing, as well as those of the veterinary officers associated with this wing. The training programme also aims at bringing together various NGOs working in the field of wildlife conservation by exchange of ideas, experiences and knowledge on curbing illegal wildlife trade. (Training on legal issues for various law enforcement agencies was organized to strengthen the collaboration between Wildlife Wing and various wildlife law enforcement agencies.) Large no. of Training programmes were organized for forest staff, FPC/EDC members and NGOs regarding census operation of wild animals.



**The details of awareness generation as well as training programme on wildlife in West Bengal during 2021-22, are as follows:**

<b>Date</b>	<b>Location</b>	<b>Topic</b>	<b>Organized by</b>	<b>No. of Participants</b>
30.01.2022	Chhora	Chemical immobilization	DFO,Birbhum	30
04.04.2021	Chinpai	Awareness of man animal conflict	RO,Suri	20
08.08.2021	Kasthogora	Awareness of Smaller animal rescue	RO,Suri	25
03.11.2021	Bankathi	Awareness about Langur/Monkey disturbance	RO,Suri	30
21.03.2022	Demurtala, Balichura	Awareness about prevention of poaching hunting etc.	RO,Suri	100
25.12.2021	Bakreswar Dam (Nil-nirjon)	Awareness about the prevention of poaching hunting, bird capturing, etc	ROR, Dubrajpor	65
29.12.2021	Bakreswar Dam (Nil-nirjon)	Awareness about the prevention of poaching hunting, bird capturing, etc	ROR, Dubrajpor	40
01.01.2022	Bakreswar Dam (Nil-nirjon)	Awareness about the prevention of poaching hunting, bird capturing, etc	ROR, Dubrajpor	35
19.03.2022	Majuria	Awareness about the prevention of poaching hunting, bird capturing, etc	ROR, Dubrajpor	25
20.03.2022	Dubrajpur Range office to all beats under the Range	Awareness about the prevention of poaching hunting, bird capturing, etc	ROR, Dubrajpor	28
05.04.2021	Rajnagar Range	Awareness of snake bite	RO, Rajnagar	25
07.05.2021	Aligarh	Awareness of Monkey/ Langur Rescue	RO, Rajnagar	20
08.08.2021	Chandrapur	Awareness for prevention of poaching, hunting etc	RO, Rajnagar	30
11.11.2021	Joypur	Awareness of Elephant depredation	RO, Rajnagar	31
12.11.2021	Kurlmetia	Awareness of Elephant depredation	RO, Rajnagar	35
31.01.2022	Mahuldanga, Lohagrah	Campaigning for awareness of wildlife (Prevention of poaching, hunting, bird capturing, illegal bird selling etc.)	RO, Bolpur	
17.03.2022	Nanoor,Khujutipara,Basapara,Panchs oya	Campaigning for awareness of wildlife (Prevention of poaching, hunting, bird capturing, illegal bird selling etc.)	RO, Bolpur	

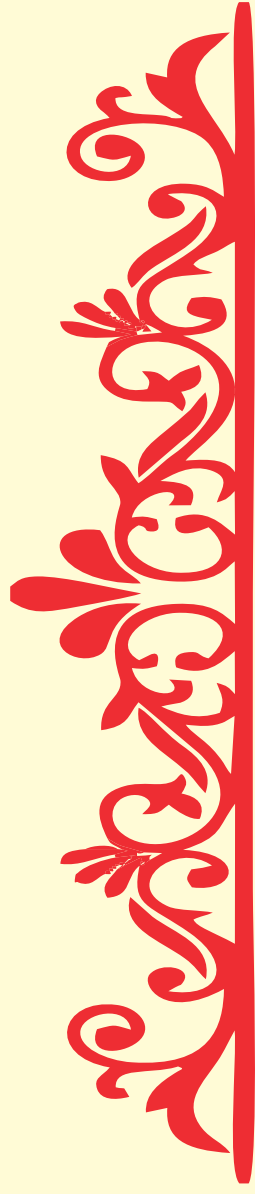
18.03.2022	Monohorpur, Faridpur, Rupper	Campaigning for awareness of wildlife (Prevention of poaching, hunting, bird capturing, illegal bird selling etc.)	RO, Bolpur	
19.03.2022	Sian, Muluk, Darikanathpur	Campaigning for awareness of wildlife (Prevention of poaching, hunting, bird capturing, illegal bird selling etc.)	RO, Bolpur	
17.03.2022	Rashpur Beat	Wildlife & Forest Fire Awareness	RO, Md.Bazar	26
18.03.2022	Mallarpur Beat, Tumbuni Beat	Wildlife & Forest Fire Awareness	RO, Md.Bazar	30
19.03.2022	Nischhintapur Beat	Wildlife & Forest Fire Awareness	RO, Md.Bazar	36
11.03.2022	Hijli	Capacity building on intelligence collection investigation & handling wildlife crime.	Wildlife crime Control Bureau and Kharagpur Division	30
22.08.2021	Amarpur Village	Save Forest, Save wild life & Man Vs Animal Conflict	Kumargram Range H.Q In Cooperation with Amarpur Villagers	84
28.10.2021	Jaydavpur Village Tapu	Save Forest, Save wild life & Man Vs Animal Conflict	Kumargram Range H.Q In Cooperation with Jaydavpur Tapu Villagers	73
27.10.2021	Kumargram Range office complex	Save Forest, Save wild life & Man Vs Animal Conflict	Kumargram Range H.Q In Cooperation with Bandhan Bank Kumargram Branch	125
18.08.2021	Rehit, Beat, Banarhat Range	Awareness	Banarhat Range	33
20.08.2021	Kalapani Beat, Banerhat Range	Awareness	Banarhat Range	30
02.09.2021	Sishujhumra, Dalgaon Range	Awareness	Dalgaon Range	30
10.09.2021	Gossainhat, Moraghat Range	Awareness	Moraghat Range	48
14.09.2021	Totapara, Moraghat Range	Awareness	Moraghat Range	30
03.10.2021	Indong JFMS	Awareness	Chalsa Range	45
17.10.2021	Khasbusty, Chalsa Range	Awareness	Chalsa Range	50
18.10.2021	Goaldangabusty, Chalsa Range	Awareness	Chalsa Range	48
26.10.2021	Karbala T.E Banarhat Range	Awareness	Banarhat Range	26
31.10.2021	Gadheyarkuti Nathua Range	Awareness	Nathua Range	42
18.11.2021	Prayagpur, Diana Range	Awareness	Diana Range	26
19.11.2021	Birpara, Dalgaon Range	Awareness	Dalgaon Range	35
20.11.2021	Dalgaon, Dalgaon Range	Awareness	Dalgaon Range	38
21.11.2021	Bandapani, Dalgaon Range	Awareness	Dalgaon Range	25
22.11.2021	Dalmore Dalgaon Range	Awareness	Dalgaon Range	37
23.11.2021	Sarugaon, Dalgaon Range	Awareness	Dalgaon Range	28
01.12.2021	Barodighi, Lataguri Range	Awareness	Lataguri Range	45

27.12.2021	Dhumpara, Nathua Range	Awareness	Nathua Range	37
06.02.2022	Rehti, Banarhat Range	Awareness	Banarhat Range	27
17.02.2022	Kalapani, Banarhat Range	Awareness	Banarhat Range	17
26.02.2022	Totapara, Moraghat Range	Awareness	Moraghat Range	35
12.03.2022	Rasikbeel, Cooch Behar	Wildlife Conservation and rescue operation	Cooch Behar Division	300
15.03.2022	Haldibari, Cooch Behar	Wildlife Conservation and rescue operation	Cooch Behar Division	300
26.06.2021	NIC/RVK	Community development program at Block level	Buxa Tiger reserve(West) Division	28
08.11.2021	NIC/RVK	Anti Electrical Cell Meeting	Buxa Tiger reserve(West) Division	41
12.12.2021	NIC/RVK	Meeting about Tiger Monitoring With RO's	Buxa Tiger reserve(West) Division	32
21.04.2022	NIC/RVK	JFMC meeting of WRVK	West Rajabhatkhawa Range	180
21.04.2022	NIC/RVK	JFMC meeting of WRVK FD holding	West Rajabhatkhawa Range	130
18.06.2022	NIC/RVK	PMP meeting	Buxa Tiger reserve(West) Division	33
29.03.2022 to 31.03.2022	NEC watch tower of NEC Beat under Kodalbasti Range	Mahut & patawala Training	Kodalbasti Range	20
28.02.2023	Divisional Office Meeting Hall	Aware camp regarding anti-poaching activities	DFO, RO, Ukhra Range, RO, Asansol (T) Range	100 Nos. at Divisional Officer & 50 Nos. each at Beat level
22.02.2023	Kantaberia Beat	Aware camp regarding anti-poaching activities	DFO, RO, Ukhra Range, RO, Asansol (T) Range	
24.02.2023	Tilabani Beat	Aware camp regarding anti-poaching activities	DFO, RO, Ukhra Range, RO, Asansol (T) Range	
25.02.2023	Hadla Beat	Aware camp regarding anti-poaching activities	DFO, RO, Ukhra Range, RO, Asansol (T) Range	
27.02.2023	Gourandi Beat	Aware camp regarding anti-poaching activities	DFO, RO, Ukhra Range, RO, Asansol (T) Range	





# IMPORTANT EVENTS OF 2021-2022



## Important Events of 2021-22

### Annual count of Water Birds

The annual count of water birds including the migratory birds in different wetlands of the State was conducted from 14.01.2022 to 05.02.2022. Many NGOs, Nature Lovers, Bird Watchers and Naturalists involved during census.

Sl. No.	Division	No. of Species Counted
1	24-Parganas (South)	9279
2	24-Parganas (North)	9609
3	Purba Medinipur	20672
4	Jhargram	6802
5	Burdwan	15184
6	Birbhum	60166
7	Nadia-Murshidabad	12705
8	Kharagpur	22834
9	Bankura (North)	52
10	Bankura (South)	1575
11	Durgapur	5079
12	Panchet	133
	<b>West Bengal Total Count</b>	<b>164090</b>

### Deer translocation during 2021-22

During 2021-22, 60 nos. of deer has been translocated from North Bengal Wild Animal Park, Siliguri to Buxa Tiger Reserve to Buxa Tiger Reserve. Another 25 nos. of deer are also been translocated from Adina Deer Park, malda to Buxa Tiger Reserve.

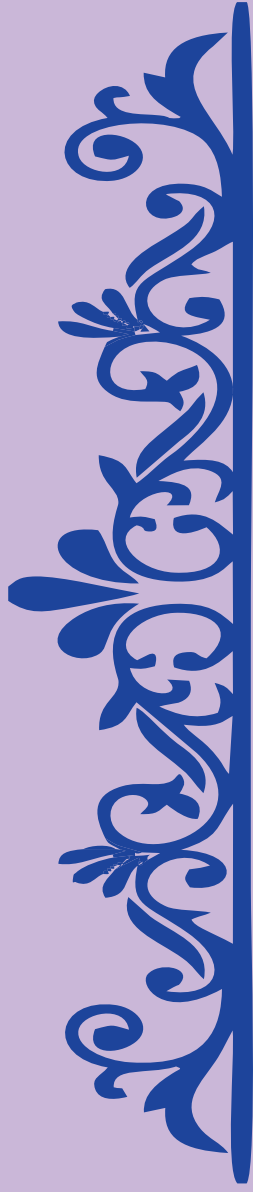
### Animal Rescued in West Bengal during the year 2021-22

Sl. No.	Species	Number	Sl. No.	Species	Number
1	Bird	809 Nos.	19	Elephant	6 Nos.
2	Snake	5026 Nos.	20	Leopard	25 Nos.
3	Turtle	528 Nos.	21	Wild Boar	5 Nos.
4	Tortoise	520 Nos.	22	Leopard Cat	1 No.
5	Squirrel	3 Nos.	23	Dolphin	1 No.
6	Monitor Lizard	55 Nos.	24	Bear	6 Nos.
7	Jackal	27 Nos.	25	Barking Deer	13 Nos.
8	Monkey	290 Nos.	26	Spotted Deer	2 Nos.
9	Langur	69 Nos.	27	Crocodile	10 Nos.
10	Jungle Cat	34 Nos.	28	Chameleon	6 Nos.
11	Fishing Cat	9 Nos.	29	Mongoose	19 Nos.
12	Civet	415 Nos.	30	Bengal Fox	2 Nos.
13	Serow	1 No.	31	Pangolin	5 Nos.
14	Gaur	4 Nos.	32	Wild Dog (Dhole)	1 No.
15	Binturong	1 No.	33	Slow Loris	1 No.
16	Porcupine	5 Nos.	34	Bat	2 Nos.
17	Gecko	7 Nos.		<b>Total</b>	<b>7912 Nos.</b>
18	Nilgai	4 Nos.			

10



# ANNEXURE



**Annexure-I**  
**Faunal and Floral diversity in West Bengal**  
**Number of animal species recorded in West Bengal**

Ref. Sanyal, A. K., Allfred, J. R. B., Venkataraman, K. Tiwari, S. K. and Mitra, Sangita, 2012. Status of Biodiversity of West Bengal.1-969 (Pub. Director, Zoological Survey of India, Kolkata).

Group	Number	Group	Number
Protozoa (Free living)	266	Dictyoptera	23
Protozoa { Symbiotic}	126	Isoptera	52
Protozoa ( Parasitic )	743	Psocoptera	966
Porifera	16	Anoplula	73
Cnideria	23	Necoptera	3
Ctenophora	2	Coleoptera	1570
Centoda	93	Siphonoptera	13
Trematoda (Others)	97	Strepsiptera	14
Trematoda (Fish)	58	Pelaeastracha (Xiphosuz)	2
Rotifera	147	Arachnida (Spider)	409
Gastrotricha	24	Arachnida (Scorpiones)	14
Kinorhyncha	5	Ticks (Metastigmata)	32
Vertebrate Nematode	236	Astigmata (Mites)	33
Plant Nematode	70	Prostigmata (Mites)	282
Acanthocephala	15	Mesostigmata (Mites)	66
Sipuncula	3	Diplopoda	22
Mollusca (Fresh water & Land)	180	Chilopoda	9
Mollusca (Estuarine & Marine)	94	Phoronida	1
Echiura	3	Brachipoda	1
Annelida	68	Diptera	430
Fresh water Oligochaetes	194	Hemiptera	921
Crustacea	251	Bryozoa	9
Thysanura	9	Echinodermata	22
Collembola	15	Hemichordata	1
Diplura	1	Fishes (Marine)	403
Odonata	180	Fishes (Fresh water)	207
Plecoptera	210	Amphibia	39
Dermaptera	45	Reptilia	148
Ephemeroptera	17	Mammalia	188
Mantoda	35	Aves	245
Plasmida	28		

### Floral diversity in West Bengal

Sl. No.	Name of Group	Total Number of Species
1	Algae – a. Marine Algae – b. Others –	658 50 608
2	Fungi –	860
3	Lichens –	510
4	Bryophyta –	642
5	Pteridophyta –	530
6	Gymnosperms –	21
7	Angiosperms – a. Monocots – b. Dicots –	4387 3237 1150
8	True Mangroves	32





### Annexure-3

#### Year wise record of release of Crocodile Hatchling from Crocodile Project, Bhagabatpur under 24-Parganas (South) Division

Year	Male	Female	Total	Progressive Total	Place of Release
1979	13	27	40	40	Parchamutli, Matla-II, Gosaba Pirkhali-I, Pirkhali-II, Lothian
1982	3	22	25	65	Netidhopani, Gowa-II, Chamta
1983	6	12	18	83	Netidhopani, Matla, Chandkhali
1984	6	15	21	104	Netidhopani, Chamta-II, Bhurkunda Khali, Bhagmari
1986	1	29	30	134	Netidhopani, Chotta Chamta Arbiga
1987	17	13	30	164	Pirkhali-7, Chhota Hodi Chamta-4
1988	15	12	27	191	Haldibari, Buridabri, Chamta
1989	1	12	13	204	Netidhopani, Panchamundi, Chamta-4
1991	11	9	20	224	Chamta-2 & 4, Netidhopani
1992	7	8	15	239	Matla-2 (Surajmukhi Khal)
1993	7	8	15	254	Khewra Shuli Narayantala, Chhoto Chamta-I
1994	3	18	21	275	Chotto Hardy Camp-2, Chand Khali Camp-4
1995	2	12	14	289	Ejukhali, Matla-I, Netidhopani
1996	5	10	15	304	Chamta-4, (Chandra Duani)
1997	4	10	14	318	Netidhopani, Chamta
1998	4	11	15	333	Netidhopani, Chamta
1999	14	6	20	353	Sajnakhali, Netidhopani, Bakkhali & Suddhannakhali
2000	-	-	-	-	-
2001	-	-	-	-	-
2002	5	15	20	373	Chamta, Netidhopani
2003	-	-	-	-	-
2004	1	1	2	375	Chulkati, Dhulibasani
2005	4	10	14	389	Chulkati-Sajnekhali
2006	2	4	6	395	Sundarikhati
2007	2	4	6	401	Sundarikhati khal in Ajmalmari-7 Reserved Forest Block
2008	-	-	-	-	-
2009	12	8	20	421	Chulkati-I
2010	-	-	-	-	-
2011	19	1	20	441	Chulkati-I
2012	-	-	-	-	-
2013	28	22	50	491	Chulkati-1 & Dhulibasani
2014	6	35	41	532	Ajmal mari-9, 10, STR
2015	4	25	29	561	Lakshmir Khal, between Ajmal mari 9 & 10
2016	3	17	20	581	Sajnekhali, Sundarban Wild Animal Park (Jharkhali)
2017	-	48	48	629	Chulkati (Ramganga Range), Sajnekhali WLS
2018	-	-	-	629	-
2019	-	-	-	629	-
2020	40	15	55	684	Ramganga, Chulkati, Sajnekhali WLS
2021	19	36	55	739	Netidhopani-1, Lothian, Chulkati-1 & 4, Dhulibhasani-6, 8 & Ajmal mari, Comptt.





## Annexure-4

### Joint Forest Management

#### List of FPC / EDC under the Wildlife Wing, West Bengal

Name of P.A./Division	Number of EDC	Number of FPC	Total (EDC+FPC)	Number of EDC members	Number of FPC members	Total members (EDC+FPC)	Total area Protected (in Ha.)
Jaldapara WL Division (including Jaldapara NP)	35	27	62	8001	4329	12330	23889.82
Mahananda Wildlife Sanctuary	16	0	16	4961	0	4961	12421.05
Sundarban Tiger Reserve	14	11	25	4483	4065	8548	26293
24-Parganas (South)	0	40	40	0	24473	24473	42534
24-Parganas (North)	0	1	1	0	37	37	93.7
Gorumara National Park	12	0	12	2165	0	2165	7669.70
Senchal Wildlife Sanctuary	12	0	12	2371	0	2371	3800.51
Singhalila National Park	3	0	3	225	0	225	649.16
Neora Valley National Park	6	0	6	2892	0	2892	5673.86
Buxa Tiger Reserve (East)	14	17	31	1759	3402	5161	32866.06
Buxa Tiger Reserve (West)	6	27	33	612	4252	4864	25595.80
<b>Grand Total</b>	<b>118</b>	<b>123</b>	<b>241</b>	<b>27469</b>	<b>40558</b>	<b>68027</b>	<b>181486.66</b>

### Number of Self-help Groups (SHG)

Darjeeling Wildlife Division = 25 Nos. (All Women SHG)

Gorumara Wildlife Division = 12 Nos. (All Women SHG)

Jaldapara Wildlife Division = 193 Nos. (Women SHG = 192 Nos.)

Buxa Tiger Reserve (East) = 103 Nos. (Women SHG = 97 Nos.)

Buxa Tiger Reserve (West) = 229 Nos.

24-Parganas (South) = 155 Nos. (all Women SHG)

Sundarban Tiger Reserve = 143 Nos. (All Woman SHG)





## Annexure-5

### List of Wireless Sets, Vehicles and Firearms in the Wildlife Wing

Name of the Division	No. of Vehicle	No. of Wireless Sets	No. of Firearms
Wildlife Wing (Headquarters)	Mahindra Scorpio-4 Maruti Ertiga-1 Ambassador-1 TATA Xenon-4 Bolero-1 Total-11	NIL	DBBL Gun-1 SBBL Gun-1 .315 Rifle-1 0.22 Rifle-1 Pump Action Gun-1 Total-5
Darjeeling Wildlife Division	Mahindra Scorpio-2, Maruti Zypsy-2, Airawat-1, Mahindra Jeep-6, Maruti Van-1, TATA 407-1, TATA DI-207-1, Motor Cycle-9, Bolero-4, <b>Total-27</b>	Fixed Station (Long Wave)-33, Mobile Station (Long Wave)-3, Walkie Talkie (Long Wave)-64, Mobile-10	DBBL Gun-48, Pump Action Gun-24, 0.315 Rifle-14, 12 Bore SBBL Gun-9, 0.22 Rifle-3 Total-98
Gorumara Wildlife Division	Scorpio-2, Maruti Zypsy-2, Bolero-4, TATA Sumo-1, Motor Cycle-6, Four Wheeler-7  Total-22	Fixed Station (Long Wave)-19, Mobile Station (Long Wave-1), Walkie Talkie (Short Wave-10, Long Wave- 21)-31	DBBL Gun-41 SBBL Gun-2 Pump Action Gun-8 0.315 Rifle-13 Tranquillising Gun-4 Total-68
Jaldapara Wildlife Division	Deptt. Jeep-2, Bolero Pick-up Van (Hired)-1, Mahindra Max-2, Tata Xenon Pick Up Van-1, Mahindra Tourister-1, Bolero-4, Bolero Campa-2, Pick Up Van (seized)-1, Hired Vehicle-1, Mahindra Jeep-1, Tractor-1, Motor Cycle-2, Truck-1, Qualis- 1, Gypsy-3, Scorpio-1 Total-25	Fixed Station (Short Wave-17, Long Wave- 17)-34, Mobile Station (Short Wave-2, Long Wave-3)-5, Walkie Talkie (Short Wave-3, Long Wave-47, Mobile- 4)-54 Total-93	DBBL Gun-83 Rifle-43 SBBL Gun-24 Pump Action Gun-12 Dart Gun-1 Total-163
Buxa Tiger Reserve (West)	Bolero-13; Scorpio-3; TATA 407-1; Motor Cycle-13 Total-30	Fixed Station (Short Wave) -19 Walkie Talkie-31, Mobile-68	DBBL Gun-81 Rifle-13 Pump Action Gun-6 SBBL Gun-8 Shotgun-1 Total-109
Buxa Tiger Reserve (East)	Airawat-1, Bolero Plus-2; Bolero Camper-6; Tata Sumo-2, Mahindra Camper-1; Four Wheeler-2; Total-14	Fixed Station (Long Wave-32), Mobile Station (Long Wave-8 Nos.), Walkie Talkie (Short Wave-50)	DBBL Gun-66 SBBL Gun-3 .315 Rifle-20 0.22 Rifle-3 Pump Action Gun-7 Total-99
Sundarban Tiger Reserve	Gypsy-1, Jeep-1; Motor Cycle-4; Catamaran-1; Accommodation Boat-3; Mechanized Dingi-12; Speed Boat-14; Launch-3; Total-39	Fixed Station (Short Wave-56, Long Wave- 10)-66, Mobile Station (Long Wave-1)-1, Walkie Talkie (Short Wave-67, Long Wave- 6)-73, Mobiles-29	Rifle-72 Air Rifle-8 DBBL Gun-34 SBBL Gun-2 Pump Action Gun-19 Total-135
24-Parganas (South)	Tata Sumo-1 Maruti Gypsy-1 Mahindra Bolero-1 TATA Xenon-1 Total-4	Fixed Station (Long Wave-17), Mobile Station (Short wave-7), Walkie Talkie (Short Wave-15), Mobiles-29	Rifle-35 DBBL Gun-18 SBBL Gun-15 Air Gun-2 Total-70
24-Parganas (North)	TATA Xenon-1, Ambassador-1, Mahindra Scorpio-1	NIL	Dart Gun-1 Air Gun-1

## Annexure-6A - Implantation of Microchip in Circus and Zoo Elephants

Sl. No.	Identification Transponder	Name of Elephant	Age Date of Birth Place of Birth	Sex	Name of Mother	Name of Father	Source/ Origin**	Present location & Range	Present use	Any other relevant informations / ownership certificate No.	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patawalla (Pmt/DL /CDL)	Remarks
ZOOLOGICAL GARDEN, ALIPORE, KOLKATA													
1		Rani	13 yrs. Jaldapara WLS	Female				Zoological Garden, Alipore, Kolkata	Used as an exhibits of the Zoo				
2	00064DF07F	Tithi	11 yrs. Jaldapara WLS	Female				Zoological Garden, Alipore, Kolkata	Used as an exhibits of the Zoo				
NORTH BENGAL WILD ANIMALS PARK (BENGAL SAFARI), SILIGURI													
3	0006485BOC	Laxmi	63 yrs. NK NK	Female	NK	NK	Purchased from Sonpur mela on 06.07.1990 at the age of 31 yrs.	Zoo (North Bengal Wild Animals Park (Bengal Safari), Siliguri	Used as an exhibits of the Zoo	Transfer from Jaldapara (Chilapata Range) on 21.09.2017	Satan Narjinary	Kamal Roy	
4	00064D8C34	Urmila	59 yrs. NK NK	Female	NK	NK	Purchased from Sonapur Mela on 06.11.1987	Zoo (North Bengal Wild Animals Park (Bengal Safari), Siliguri	Used as an exhibits of the Zoo	Transfer from Buxa Tiger Reserve on 18.09.2017	Parimal Barman	Jogesh Barman	
ISKCON													
5	0006593C15	Faguni	15 yrs. 25.02.1998 NK	Female	NK	NK		ISKCON, Sri Mayapur, Nadia Dist., near Navadwip, Pin-741313		0006593C15/EA C/JOR/M/08/1 dt. 30.01.08 of CF, Eastern Assam Circle, Jorhat			
6	0006591BOA	Bishnupriya	7 yrs. 21.02.2006 NK	Female	NK	NK		ISKCON, Sri Mayapur, Nadia Dist., near Navadwip, Pin-741313		0006591BOA/EA C/DDM/KP/09/26 3 dt. 03.12.09 of CF, Eastern Assam Circle, Jorhat			

NK = Not Known

\*\* Source of Origin :- Captive bred / Captured / from Mela / Rescue from / Seized from / Other Source

### Annexure-6 List of Departmental Elephants as on 31.03.2022

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred/ Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patawalla (Pmt/DL /CDL)
1	00064D88BF	MOTIRANI	23 Yrs.	Captured	NK	Captured from 28.08.00 from Holong Range, Jaldapara Wildlife Division	NA	Female	MURTI RANI	Wild	Budhram Beat	Gorumara Wildlife Division	Patrolling	Subodh Oraon, PDL	Chhalim Oraon, PDL
2	Not available	FALGUNI	7 Yrs.	Rescued	Rescued on 11.02.2016	NK	Received from Jhangram Division on 06.09.19	Male	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Faridul Haque, PDL	Dilip Barman, PDL
3	0006484BAA	AMANA	29 Yrs.	Captured	NK	NK	Captured on 21.12.2001 at Sonamukhi Range, Bankura, (N) (Approx age 6 Yr. on that time)	Female	Wild	Wild	Tondu Camp under Khunia Beat	Gorumara Wildlife Division	Patrolling	Joydeb Roy, PDL	Hasibul Rahaman, CDL
4	00064DCEA2	BARSAN	13 Yrs.	Captive Bred	03.09.2010	Dhupphora Pilkhana	NA	Female	AMAN	SURYA	Gorumara Beat	Gorumara Wildlife Division	Under Training	Nimai Chandra Deb, DL	Prakash Roy, DL
5	00064D9F27	TEESTA	21 Yrs.	Captured	NK	NK	Captured from Gajoldoba, Tista riverbed.	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Tafjul Haque, PDL	Kawsar Alam, DL
6	000647CA1E	KIRANRAJ	25 Yrs.	Captive Bred	13.01.1998	Holong Pilkhana	NA	Male	MUKTI RANI	Wild	Basudevpur Pilkhana under Basudebpur Beat of Bishnupur Range	Panchet Division	Patrolling	Sanjay Sah, CDL	Dhaniram Oraon, DL
7	00064DAE9E	BASANTA	9 Yrs.	Captured	NK	Gorumara Beat	From Kilkot TG, Sec. No.8	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Under Training	Apon Roy, PDL	Jogesh Roy, PDL
8	000647ASD8	BHOLANATH	21 Yrs.	Seized	Seized on 04.07.2002	NK	From Tista Check post	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Jaharlat Oraon, DL	Dulal Roy, DL
9		YUVARAJ	3 Yrs.	Captive Bred	28.08.2020	Gorumara pilkhana		Male	Motirani	Kiranraj	Dhupphora Beat	Gorumara Wildlife Division	Under Training	Ramesh Oraon, AS	
10	000647D81C	SHLABOTI	41 Yrs.	Captured	NK	NK	Captured from Lalgah forest, Midnapur on 17.09.95	Female	Wild	Wild	Budhram Beat	Gorumara Wildlife Division	Patrolling	Ramesh Oraon, PDL	Apu Roy, PDL
11		DIANA	17 Yrs.	Rescued	NK	NK	Rescued from Diana river	Female	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Badal Roy, AS	Rambahadur Bhujel, DL
12	00064EF116	KABERI	26 Yrs.	Captured	NK	NK	Captured from Bhabk Kunia forest, Dhadika Beat, Midnapur on 27.11.1996	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Faridul Haque, AS	Harimohan Oraon, ADL
13	00064DA911	FULMOTI	26 Yrs.	Seized	NK	NK	Seized from Tista Check Post on 15.12.02	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Saha Roy, AS	Pawan Oraon, DL
14	000647B9LE	RAJA	12 Yrs.	Captured	NK	Wild	Captured from Jhangram	Male	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Under Training	Bimal Bhujel, PDL	Goutam Roy, DL
15	00064DB541	CHAMPA	42 Yrs.	Seized	NK	NK	From Sonali Circus on 10.07.15	Female	Wild	Wild	Tondu Camp under Khunia Beat	Gorumara Wildlife Division	Patrolling	Joginder Shaw, PDL	SurajOraon, DL
16	00064DB560	HILARY	24 Yrs.	Rescued	NK	NK	Rescued from Hillajhora Forest Compartment of Jalpaiguri Dvn.	Female	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Sanjit Roy, PDL	Dipak Roy, DL



### Annexure-6 List of Departmental Elephants as on 31.03.2022

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred / Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patrawalla (Pmt/DL /CDL)
17	00064D9B04	SHRABANI	11 yrs.	Rescued	NK	NK	Rescued from Lataguri on 01.08.2016	Female	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Under Training	Satish Roy, PDL	Parimal Roy, DL
18		NATARAJ	4 yrs.	Rescued	NK	NK	Rescued from Naxalbari, Kurseong on 16.06.2020	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division			Kiran Oraon, DL
19		KRISHNAKALI	3 yrs.	Rescued	NK	NK	Rescued from Dhappadanga, Ramsai on 10.11.2020	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division			Shyamal Barman, DL
20		BHIM	3.5 yrs.	Rescued	NK	NK	Rescued from Patrijhora T.G. on 11.04.2021	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division			Raj Munda, DL
21		BIR	3 yrs.	Rescued	NK	NK	Rescued from Mal Squad on 10.11.2020	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division			Bishnu Oraon, DL
22		Calf of DIANA	1.5 yrs.	Captive Bred	12.11.2021	NK	NA	Female	Diana	Kiranraj	Dhupjhora Beat	Gorumara Wildlife Division		Badal Roy, AS	Ram Bahadur, Bhujel
23	00064DB659	CHANDRIMA	22 yrs.	Captive Bred	30.05.2001	Marakata	NA	Female	Champarani	Wild	Narathali Beat, SRD Range	Buxa Tiger Reserve (East)	Patrolling	Nikhil Barman, Pmt	Nani Gopal Barman, PDL
24	0006479E69	CHANDAN	22 Yrs.	Captive Bred	11.01.2001	Holong Pihkhana	NA	Male	Champakali	Wild Makna	Chipra Beat, SRD Range	Buxa Tiger Reserve (East)	Patrolling	Sanchariya Oraon, DL	Harmohan Oraon, DL
25	Not available	MUMTAJ	33 Yrs.	Wild caught (shifted from Jaldapara)	02.12.1989			Female	NK	NK	Checko Beat under East Damanpur Range	Buxa Tiger Reserve (West)	Patrolling	Anil Karjee, DL	
26	000647CCF4	JONAKI	51 Yrs.	Wild caught (shifted from Jaldapana)	30.04.1970			Female	NK	NK	Checko Beat under East Damanpur Range	Buxa Tiger Reserve (West)	Patrolling	Laxman Rava, DL	
27	Transponder not embeded	SAILI	16 Yrs.	Rescued	Age approx. 2 months when rescued	Wild	Rescued from Saili T.G. on 23.11.2007	Female	Wild	Wild	Chilapata	Jaldapara Wildlife Division	Patrolling	Ajit Narjinary, PDL	Rajib Subba, DL
28	00064DBD55	SUMAN	30 Yrs.	Captive Bred	07.11.1993	Jaldapara	NA	Male	Sundarmoni	Wild	SRD Beat, SRD Range	Jaldapara Wildlife Division	Patrolling	Swapan Oraon, CDL	Haura Oraon, CDL
29	00064E058E	BALARAM	12 Yrs.	Rescued	Age approx. 15 days when rescued	Wild	Rescued from Bagti village, Matha Range, Purulia Division on 30.11.2011; came to JP on 02.12.2011	Male	Wild	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Komal Oraon, CDL	Ajibul Hoque, CDL
30		KUNJARESH	24 Yrs.	Rescued	01.01.1998			Male			CTTL, Hollong	Jaldapara Wildlife Division	Tourism	Chandel Oraon, PDL	Bablu Khariya, DL
31		AMRITA	6 Yrs.	Captive Bred	05.01.2018			Female			JPW Range	Jaldapara Wildlife Division		Bablu Khariya, DL	Nittunjay Rava, DL
32	Transponder not embeded	SOURAV	15 Yrs.	Captive Bred	05.11.2008	Jaldapara	NA	Male	Sundarmani	NK	Chilapata	Jaldapara Wildlife Division	Patrolling	Binod Gowala, DL	Munna Oraon, DL
33	Transponder not embeded	SUJATA	18 Yrs.	Captive Bred	14.12.2005	Malangi	NA	Female	Sundarmoni	Wild	Chilapata	Jaldapara Wildlife Division	Patrolling	Bishu Roy, PDL	Manu Barman, DL
34	Transponder not embeded	RAMU	15 Yrs.	Wild	14.12.2008	Wild		Male, Makna	Wild	Wild	Chilapata	Jaldapara Wildlife Division	Patrolling	Sanjoy Munda, DL	Subhajit Barman, DL
35	Transponder not embeded	ROHINI	16 Yrs.	Rescued	14.08.2007	Wild	Rescued from Rohini TG, WL - I Div. on 14. 08.2008	Female	Wild	Wild	Chilapata	Jaldapara Wildlife Division	Patrolling	Juel Kharia, DL	Kamal Oraon, DL
36		INAKHI	10 Yrs.		22.04.2013	Jaldapara	NA	Female	Minakshi		JPW Range	Jaldapara Wildlife Division	Patrolling	Ukil Oraon, PDL	Ramen Adhikary, DL
37		DEVANGI	7 Yrs.	Captive Bred	03.10.2016			Female	Diana		CTTL, Hollong	Jaldapara Wildlife Division	Under Training	Ramlal Oraon, PDL	

### Annexure-6 List of Departmental Elephants as on 31.03.2022

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred/ Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patawala (Pmt/DL/CDL)
38	00064FDBE7	CHAITI	17 Yrs.	Captive Bred	31.03.2006	Malangi Pikhana	NA	Female	Champakali	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Rafikul Islam, PDL	Kartik Nayek, DL
39	0006485C6B	BHARAT	6 Yrs.	Captive Bred	21.06.2017	Jaldapara	NA	Male Makna	Kuntalini	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Narayan Rava, PDL	Kiran Oraon, CDL
40	0006478820	RUDRAPRASAD	26 Yrs.	Captive Bred	08.03.1997	Hollong	NA	Male, Tuskar	Madhumala	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Chaneswar Karjee, PDL	Dhiren Karjee, DL
41	0006485F15	PRITHWIRAJ	21 Yrs.	Captive Bred	28.02.2003	50 ft. beat	NA	Male, Makna	Priyodarshini	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Rajib Oraon, DL	Kiran Oraon, DL
42	Transponder not embedded	DARSHAN	13 Yrs.	Captive Bred	12.12.2010	Jaldapara	NA	Male	Priyodarshini	Wild Makna	JPW Range	Jaldapara Wildlife Division	Patrolling	Somen Majhi, CDL	
43	00064DB511	SRIKANTA	18 Yrs.	Captive Bred	13.12.2005	CTTL Pikhana	NA	Male, Tuskar	Shree	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Anukul Roy, PDL	Sukumar Oraon, DL
44	0006433122	SRINIVASA	20 Yrs.	Transferred	24.03.2003		Transferred from Karnataka Forest Department	Male			CTTL Hollong	Jaldapara Wildlife Division	Tourism	Ganesh Biswasarma, PDL	Dipak Oraon, DL
45		MOHINI	5 yrs.	Captive Bred	01.10.2018						TEC Beat, JPW Range	Jaldapara Wildlife Division		Prasenjit Roy, AS	
46	00064DA06A	MOTILAL	23 Yrs.	Captive Bred	13.10.2000	Hollong	NA	Male, Makna	Menoka	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Bishnu Oraon, BS	Prasenjit Roy, PDL
47	00064DC133	LAXMAN	23 Yrs.	Captive Bred	04.12.2000			Male	Laxmi		JPW Range	Jaldapara Wildlife Division	Patrolling	Rithey Subba, PDL	Krishna Darjee, CDL
48	00064D7087	JOY	13 Yrs.	Captive Bred	04.11.2010	Jaldapara	NA	Male	Jeney	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Dilip Munda, PDL	Ditosh Roy, CDL
49	00063DCF88	NANUNDA	28 Yrs.	Transferred	24.04.1995		Transferred from Karnataka Forest Department	Male			JPW Range	Jaldapara Wildlife Division	Patrolling	Sujit Barman, PDL	Sukumar Karjee, CDL
50	00064DB0EB	BANGSIRAJ	14 yrs.		28.06.2009			Male			JPW Range	Jaldapara Wildlife Division	Patrolling	Debar Ali, DL	Uttam Karjee, DL
51	00064D9C51	CHIPRARANI	61 Yrs.	Captured	20.11.1962	Wild	Captured from Chipra Forest, BTR on 20.11.1987	Female	Wild	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Ramani Oraon, PDL	Jitesh Oraon, CDL
52		DEVANSH	8 Yrs.	Captive Bred	27.08.2015	Jaldapara	NA	Male	Debjani	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Bholanath Sarkar, DL	
53	00064DBD5D	SABITRI	61 Yrs.		02.11.1962			Female			Harindanga Watch Tower, JPW Range	Jaldapara Wildlife Division	Patrolling	Babudas Roy, CDL	Bikash Oraon, PDL
54	00064D6C05	JENNY	27 Yrs.	Rescued	07.07.1996	Wild	Rescued from Batabari T.E. on 07.07.1996	Female	Wild	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Khokan Rava, PDL	Mahesh Oraon, CDL
55	00064EE088	RANGINI	32 Yrs.	Captive Bred	28.01.1991	Jaldapara	NA	Female	Matangini	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Sujit Biswasarma, PDL	Fku Oraon, DL
56	00064DF8CF	SAMBHU	30 Yrs.	Captive Bred	20.10.1993	Panbari (BTR)	NA	Male, Tuskar	Shanti	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Durga Oraon, PDL	Chhatto Oraon, CDL
57	0006478575	CHAMPAKALI	61 Yrs.	Purchased	01.01.1962	NK	Purchased from Singheswari mela (Saharsa) on 18.02.1982	Female	NK	NK	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Rabi Biswasarma, PDL	Suraj Khariya, DL
58	00064D710C	MINAKSHI	32 Yrs.	Captive Bred	11.11.1991	Jaldapara	NA	Female	Shree	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Faruk Islam, PDL	Bandhulal Karjee, DL
59	00064DC240	PRIYADARSINI	27 Yrs.	Captive Bred	07.07.1996	Hollong	NA	Female	Champarani	Wild	JPW Range	Jaldapara Wildlife Division	Tourism	Ratilal Oraon, PDL	Biplab Sutradhar, CDL

### Annexure-6 List of Departmental Elephants as on 31.03.2022

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60		RAYAN	3 Yrs.	Rescued			Rescued from South Rydak, BTR	Male			CTTL Hollong	Jaldapara Wildlife Division	Under Training	Nirmal Kujur, DL	
61		PARAMITA	3 Yrs.	Rescued			Rescued from Poto Beat, BTR	Female			CTTL Hollong	Jaldapara Wildlife Division	Under Training	Subhas Kharia, DL	
62		VEER	2 Yrs.	Rescued			Rescued from Kodalbasti, Torsa river	Male			CTTL Hollong	Jaldapara Wildlife Division	Under Training	Rohit Islam, DL	
63	000648D55	SUNDARMANI	50 Yrs.	Captive Bred	10.11.1973	Jaldapara	NA	Female	Gajomoti	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Ajit Gabur, PDL	Prakash Oraon, PDL
64	00064A999	AMRAPALI	25 Yrs.	Captive Bred	02.01.1999	Jaldapara	NA	Female	Champakali	Wild	JPW Range	Jaldapara Wildlife Division	Tourism	Bkash Khariya, AS	Panchu Oraon, AS
65		FULVATI	3 Yrs.	Other			From Alipore Zoo	Female			CTTL Hollong	Jaldapara Wildlife Division			
66		RAYNA	3 Yrs.				Rescued from Diana river	Female			CTTL Hollong	Jaldapara Wildlife Division	Under Training	Monoj Oraon, DL	
67		KALAVATI		Captive Bred				Female			CTTL Hollong	Jaldapara Wildlife Division	Under Training	Naru Kharia, DL	
68	00064D6240	MUKTRANI	39 Yrs.	Captive Bred	05.10.1984	Jaldapara West Camp	NA	Female	Singheshwari	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Swapan Oraon Toppo, DL	Hirram Soreng, DL
69	00064DEF69	MITALI	17 Yrs.	Captive Bred	22.08.2006	CTTL Pilkhana	NA	Female	Menoka	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Santabir Narjinary, PDL	Anil Oraon, DL
70	Transponder not embedded	MUKTARAJA	12 Yrs.	Captive Bred	30.08.2011	Hollong Central Pilkhana	NA	Male	Muktrani	Wild Tuskar	JPN Range	Jaldapara Wildlife Division	Patrolling	Susep Lakra, DL	Monoj Kharia, DL
71	Transponder not embedded	RASARAJ	18 Yrs.	Captive Bred	27.03.2005	Moiradanga Pilkhana	NA	Male, Makna	Rangini	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Chandre Pradhan, PDL	Pradip Sharma, DL
72	Transponder not embedded	KUNTAL	17 Yrs.	Captive Bred	04.09.2006	Jaldapara	NA	Male, Makna	Kuntalini	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Ratansing Bhagat, PDL	Raja Lakra, DL
73	00064D7E62	NARBAHADUR	27 Yrs.	Captive Bred	24.11.1996	Jaldapara	NA	Male			JPE Range	Jaldapara Wildlife Division	Patrolling	Laitu Ekka, PDL	Fuktas Beck, CDL
74		MADHVAN	6 Yrs.	Captive Bred	18.04.2017			Male	Minakshi		CTTL Hollong	Jaldapara Wildlife Division	Under Training	Bimal Karjee, DL	
75	Transponder not embedded	SRIMANTA	21 Yrs.	Captive Bred	05.09.2002	Sissamara	NA	Male, Tuskar	Shree	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Lakshindra Rava, PDL	Indrajit Chhetri, PDL
76	Transponder not embedded	ANARKALI	12 Yrs.	Captive Bred	08.03.2011	Jaldapara	NA	Female	Champakali	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Kajal Biswasharma, CDL	Sunil Oraon, CDL
77	00063DC29	VITTALA	19 Yrs.	Transferred	27.04.2004		Transferred from Karnataka Forest Department	Male			JPW Range	Jaldapara Wildlife Division	Patrolling	Tapan Oraon, PDL	Dipankar Oraon, DL
78	000648CE78	LALITA	18 Yrs.	Captive Bred	21.05.2005	Hollong	NA	Female	Laxmi	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Gunodhar Barman, CDL	Bippa Karjee, CDL
79	000647C2D5	MATANGINI	16 Yrs.	Captive Bred	31.10.2007	Hollong	NA	Female	Muktrani	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Ranjit Karjee, PDL	Shambhu Das, PDL
80	00064D87BB	SUNDAR	21 Yrs.	Captive Bred	04.03.2002	Sissamara	NA	Male, Makna	Sundarmoni	Wild	Chilapata	Jaldapara Wildlife Division	Patrolling	Dilip Khariya, DL	Dulal Subba, DL
81	00064DCBEA	TARZAN	27 Yrs.	Rescued	06.09.1996	Wild	Rescued from Behkoba Range on 06.9.1996	Male, Tuskar	Wild	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Mangal Gowala, PDL	Furjut Oraon, CDL
82	Transponder not embedded	URMI	14 Yrs.	Rescued	06.10.2009	Wild	Rescued from Tarabari, naya basti (16 FAD) Bagdogra range, Kursong Div. on 10.01.2010	Female	Wild	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Chaitu Rava, PDL	Indrojit Oraon, CDL

**Annexure-6 List of Departmental Elephants as on 31.03.2022**

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred / Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patavalla (Pmt/DL /CDL)
83		LALU PRASAD	9 Yrs.	Captive Bred	17.07.2014	Jaldapara	NA	Male			JPE Range	Jaldapara Wildlife Division	Patrolling	Nabul Haque, CDL	Tapash Oraon, CDL
84	0006434DD7	MADAKARI	17 Yrs.	Transferred	19.04.2006		Transferred from Karnataka Forest Department	Male			JPE Range	Jaldapara Wildlife Division	Patrolling	Raii Oraon, BS	Raimoan Oraon, CDL
85	00064D6905	MENOKA	54 Yrs.	Purchased	01.01.1969	NK	Purchased from Sonpur Mela on 1994	Female	NK	NK	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Mahesh Baraik, BS	Shibendra Saiba, CDL
86	Transponder not embeded	BHIM	6 Yrs.	Rescued	21.06.2017	NK	Rescued from Jhargram Divn. on 21.06.2017	Male	Unknown	Wild	CTTL Hollong	Jaldapara Wildlife Division	Under Training	Amal Oraon, PDL	
87	00064DB288	MAINAK	29 Yrs.	Captive Bred	13.11.1994	Hollong	NA	Male, Makna	Menoka	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Shibal Oraon, CDL	
88	00064DA505	ANUSHUA	48 Yrs.	Captive Bred	31.12.1975	Jaldapara	NA	Female	Matangini	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Naresh Barman, CDL	Krishna Bhugat, CDL
89	0006477B49	DIGAMBAR	21 Yrs.	Captive Bred	13.06.2002	South Rydak	NA	Male Tusker	Promila	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Lalit Oraon, PDL	Pandu Hansda, CDL
90		PUTUL	2 Yrs.	Captive Bred	15.04.2021		Hollong	Female			JP HQ	Jaldapara Wildlife Division	Fostering	Badhua Kharia, AS	
91		BAISAKHI	4 Yrs.	Rescued	19.01.2019		Rescued from Jhargram Divn.	Female			JP HQ	Jaldapara Wildlife Division	Fostering	Subash Lakra, DL	
92		VIDYA	4 Yrs.	Captive Bred	19.01.2019			Female			KB Range	Jaldapara Wildlife Division	Protection duty	Suraj Kharia	Piyush Baraik
93		BHABANI									KB Range	Jaldapara Wildlife Division	Protection duty	Kartik Nayek	Biki Oraon
94	0006439E44	SARATHI	23 Yrs.	Transferred	17.03.2000		Transferred from Karnataka Forest Department	Male			JPW Range	Jaldapara Wildlife Division	Patrolling	Dipak Oraon, CDL	Mojibul Mia, DL
95		SARUL	20 Yrs.	Captive Bred	12.04.2003			Male			KB Range	Jaldapara Wildlife Division	Protection duty	Kamal Rava	Choton Das
96	00064DBD53	KARNA	22 Yrs.	Captive Bred	14.10.2001	Jaldapara	NA	Male, Makna	Kuntalini	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Amashu Kharia, PDL	Suresh Tigga
97	000647E20E	SUNDARI	25 Yrs.	Captive Bred	30.04.1998	Jaldapara	NA	Female	Sundarmoni	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Pawan Rava, BS	Rajib Oraon, CDL
98	00064D8A43	DIANA	27 Yrs.	Captive Bred	31.03.1996	Hollong	NA	Female	Wild	Wild	JPW Range	Jaldapara Wildlife Division	Tourism	Binod Oraon, PDL	Naru Khariya, DL
99	00064D8F5A	GOURI	8 Yrs.	Captive Bred	14.02.2015	Jaldapara	NA	Female	Priyadarshini	Wild Makna	JPE Range	Jaldapara Wildlife Division		Pradhan Oraon, CDL	Raju Oraon, CDL
100	Transponder not embeded	TEESTA	14 Yrs.	Rescued	20.03.2009	Wild	Rescued from Belachha range, BKP Divn, received from Gorumara WL Div. on 20.09.2009	Female	Wild	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Seron Subba, CDL	Biplab Biswasharma, CDL
101	000647C87A	AMBA	10 Yrs.	Captive Bred	20.09.2013			Female	Antropali		JPW Range	Jaldapara Wildlife Division		Mumtaz Alam, CDL	Sunil Khariya, DL
102		SAMRIDHI	7 Yrs.	Captive Bred	06.03.2016	Jaldapara		Female	Sundarmani	Wild	JPW Range	Jaldapara Wildlife Division	Under Training	Sunil Biswasharma, CDL	

## Annexure-7

### Chemical Immobilisation of Major Wild Animals in West Bengal during 2021-22

Date	Description	Location	Immobilising Drug (in ml.)	Remarks
17-05-2021	Leopard , 6- 7 yrs, Male	Samannagar , Champasari	Ketamine (50mg) – 5.0 ml, Xylazine (100mg) – 2.0 ml	Handover to veterinary Hospital at North Bengal Wild Animal Park, Salugara
04-05-2021	Species- Asian Elephant, Age- 25 Years (approx.), Sex- Male	Bhula	Xylazine - 4 ml, Ketamine-3 ml	Injured
10-06-2021	Species- Asian Elephant, Age- 25 Years (approx.), Sex- Male	Dakaisini Forest area	Xylazine - 4 ml, Ketamine-3 ml	Release
06-04-2021	Indian Gaur, Male, Adult	Bakharibari	Xylazyle (100.mg) Ketamine(50.mg) 4.ml -6.ml.	Good condition
18-05-2021	Species : Gaur, Age : Approx 5 Years, Sex : Female	Chikanmati, Kranti	Inj Ketamine 50 – 3 ml & Inj Xylazil100 – 7 ml	Died at the time of release.
13-08-2021	Species : Gaur, Age : Approx 7 Years, Sex : Female	Khudirampally, Malbazar	Inj Ketamine 50 – 2 ml & Inj Xylazil100 – 3 ml	Died at the time of release.
27-11-2021	Species : Asiatic Black Bear, Age : Approx 12 years, Sex : Male	Maynakhola Gram, Nagrakata Block	Inj Ketamine 50 – 8 ml & Inj Xylazil100 – 2 ml	Released at Forest near Zero point, Lava.
09-12-2021	Species : Asiatic Black Bear, Age : Approx 15 Months, Sex : Feale	Malbazar Town, 11 No Word	Inj Ketamine 50 – 3 ml	Released at Lava.
19-12-2021	Himalayan Black Bear , Male, Adult	Chanadipa	Xylazyle (100. Ketamine(50.mg) 3.ml mg)-2.ml.	Good
03-01-2022	Species : Gaur, Age : Approx 8 Years, Sex : Female	Bhagatpur T.E. Labour Line	Inj Ketamine 50 - 5 ml & Inj Xylazil 100 – 10 ml	Died at the time of release.



## Annexure-7

### Chemical Immobilisation of Major Wild Animals in West Bengal during 2021-22

Date	Description	Location	Immobilising Drug (in ml.)	Remarks
25-02-2022	Leopard (M) Adult	Dhupguri	1. 3ml ketamine +2ml Xylazyle= 5 ml (Applied) 2.9ml ketamine+6ml Xylazyle = 15ml (3 Doses) Missed	Good
26-12-2021	Tiger (Sex-Male, Age-9 years)	Baruipur Range, Peyali Beat, Dongajora, Merigunj-2 GP, PS-Kultali	Zylozyl-30%, Catamel-70%, 10 ml+5ml	The Tiger was finally examined & found fit for release. The adult male tiger of around 9 years of age could be safely released to its natural habitat at Dulibhasani-4 Compartment under Raidighi Range at around 6:55 AM.
01-01-2022	Adult Tigress, (Female), age- 5.5 years (Approx), Weight – 88 kg, Height – 80 cm.	Kumirmari G.P, Adibasi Para JFMC under BHT. Range	Ketamin and Xylazine 10 ml by Jab stick at about 10.13 am & Ketamin 7 ml at about 10.42 am.	After treatment the animal is in sound health and fit for release in nature at around 03.05 pm on 03.01.22
12-01-2022	Adult Tiger, (Male), Age-11 year (Approx), Weight 100 Kg, Length 88 cm.	Mathurakhanda of Bali-I G.P.-2 under NP(W) Range	Ketamin by Pistol at about 04.30 am	The animal is not able to hunt her pray by himself due to old age & was incapacitated the animal sent to the Sundarban Wild Animal park at the Jharkhali, South 24 Parganas
20-02-2022	Adult Tigress, (Female), age- 9 years (Approx), Weight – 110.50 kg, Height – 80 cm.	Amtali G.P Chimta of Manipur village area under BHT. Range	Ketamin 10 ml by Jab stick at about 05 pm & Ketamin 10 ml at about 05.35 pm.	After treatment the animal is in sound health and fit for release in nature at around 08.45 pm on 22.02.22
12-06-2021	Indian Gaur, 10 yrs., Male	Coochbehar Division	---	Released in Chilapata forest at BN-2 Comptt.
03.04.2021	Leopard, Sub-Adult	Katamari, Sathmail, Cooch Behar	Xylazine -1 ml + Catamine -2 ml.	Tranquilized and Released at Jaldapara WLS
07.04.2021	Indian Gaur, Adult	Paschim Ghughumari, Cooch Behar	Xylazine -5 ml + Catamine -3 ml.	Tranquilized and Released at Chilapata Forest
19.05.2021	Indian Gaur, Adult	Mukuldanga, Fulbari, Cooch Behar	Xylazine -5 ml + Catamine -3 ml.	Tranquilized and subsequently died
03.04.2021	Indian Gaur, Adult	Takagachh, Cooch Behar	Xylazine -5 ml + Catamine -3 ml.	Tranquilized and Released at Chilapata Forest

## Annexure-7

### Chemical Immobilisation of Major Wild Animals in West Bengal during 2021-22

Date	Description	Location	Immobilising Drug (in ml.)	Remarks
16.04.2021	Indian Gaur, Adult	Southerbosh, Ghoksadanga, Cooch Behar	Xylazine -5 ml + Catamine -3 ml.	Tranquilized and Released at Chilapata Forest
28.04.2021	Indian Gaur, Adult	Suth Darikamari, Cooch Behar	Xylazine -5 ml + Catamine -3 ml	Tranquilized and subsequently died
27.01.2022	Leopard, Sub-Adult	Kolabagan, Cooch Behar	Xylazine -1 ml + Catamine -2 ml	Tranquilized and Released at Jaldapara WLS







GOVERNMENT OF RESERVES  
CHANDABILA TIGER DEPOT  
CHANDABILA RANGE  
KARRA DIVISION

## Annexure-8

### List of Forest Villages and Fixed Demand Holding Villages under Wildlife Divisions

Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling :

1. Mahananda Wild Life Sanctuary :

- a) Khairjhora,
- b) Punding,
- c) Khairani,
- d) Chamta,
- e) Kokling,
- f) 10<sup>th</sup> Mile,
- g) Jolly.

2. Senchal Wild Life Sanctuary :

- a) Chatakpur,
- b) Paschim,
- c) Dhoria,
- d) 3<sup>rd</sup> Mile & Simkona,
- e) Rambhi,
- f) Rampuria.

3. Singhalila National Park:

- a) Gorkhey

Divisional Forest Officer, Gorumara Wildlife Division, Jalpaiguri :

1. Bichabhanga,
2. Sursuti,
3. Kalipur,
4. Budhram,
5. Chatra,
6. Murti,
7. Panjhora(N)



## Annexure-9

### Seminar / Workshop organized on Wildlife Management during 2021-22

Sl.	Date	Location	Topic	Organized by	No. of participants
1.	26.06.2021	NIC/RVK.	Community development program at Block level	Buxa Tiger Reserve (West) Division.	28
2.	8.11.2021	NIC/RVK.	Anti Electrical Cell Meeting	Buxa Tiger Reserve (West) Division.	41
3.	12.12.2021	NIC/RVK.	Meeting about Tiger Monitoring with RO's.	Buxa Tiger Reserve (West) Division.	32
4.	15.03.2022	Mahalaisai Range Office	Training cum workshop on chemical immobilization (Tranquilization of Wild Animal)	Goaltore & Mahalaisai Range of Rupnarayan Division.	50 (Approx)
5	16.03.2022	Pathrisole Forest Beat Office	Training cum workshop on chemical immobilization (Tranquilization of Wild Animal)	Hoomgarh, Amlagora & Garhbeta Range of Rupnarayan Division	60 (Approx)
6	18.12.2021	Hirapur	Man animal conflict	RO, Rajnagar	50
7	03.03.2022	Rajnagar	Wildlife day celebration	RO, Rajnagar	30
8	01.10.2021	Rashpur, Nimdaspur, Charicha, Tangsuli	Bonnyo Pran Sangrokhon	RO, Md. Bazar & FPC members	61
9	03.10.2021	Charicha, Tangsuli, Baidyanathpur	Bonnyo Pran Sangrokhon	RO, Md. Bazar & FPC members	72
10	05.10.2021	Rampur, Jagatpur, Debogram, Chandpur, Nischintapur	Bonnyo Pran Sangrokhon	RO, Md. Bazar & FPC members	66
11	07.10.2021	Gonpur, Degolgram, Ghaga, Mobilia	Bonnyo Pran Sangrokhon	RO, Md. Bazar & FPC members	78
12	05.04.2021 to 08.04.2021	Virtual training workshop	Cyberspace intelligence and investigation training to wildlife law enforcement officials	PCCF/WILDLIFE & CWLW, WB	Sri Partha Pratim Tripathy, WBHS, AFD/STR & Sri Soumen Mondal, WBFS, AFD/STR
13	13.07.2021	Virtual training workshop	Orientation-cum-Exposure Training	PCCF (HoFF), WB	Field Staff of STR
14	18.08.2021	Virtual training workshop	Virtual Platform for newly recruited FR officer in WBBEX platform.	Director, WBFS, Dowhill	Recruited FR officer in STR
15	02.09.2021 to 04.09.2021	Manas Tiger Reserve, Assam	Training of Trainers workshop for all India Tiger Estimation 2022-reg.	DIG (NTCA)	Sri Tapas Das, IFS, CCF & FD/STR & S. Jones Justin, IFS, DFD/Str
16	14.09.2021 to 15.09.2021	Bali island	Training of Ecotourism Guide & ecotourism management	CCF & FD/ STR	Field Staff (DR/Fr) of STR
17	23.11.2021 to 25.11.2021	Conference Hall, MIC, Sajnekhali, STR	Training of Trainers for all India Tiger Estimation	CCF & FD/ STR	Field Staff (DR/Fr) of STR



18	20.12.2021 to 27.12.2021	One week online mode training	Training of Wildlife Management for DR/Fr .. FG and Forest Laws for FR Officer	Director, WBFS, Dowhill.	Sri Sourav Biswas, DR/Fr. Sri Debajyoti Das, FG & Sri Arka Routh, FR
19	10.01.2022 to 12.01.2022	Online mode training	Cyber Crime and Digital Forensics Responder Track	Additional Director, Wildlife Crime Control Bureau, New Delhi	Sri Arka Routh, FR
20	03.01.2022 to 07.01.2022	Vyakti Vikas Kendra India, Art of Living, Bengaluru	Building Competencies for personal Excellence	Ministry of Environment Forest And Climate Change (RT Division)	Sri S. Jones Justin, DFD/STR
21	31.01.2022 to 04.02.2022	Online Virtual training workshop	Intelligence Trade Craft Course	Additional Director, Wildlife Crime Control Bureau, New Delhi	Sri S. Jones Justin, DFD/STR
22	15.12.2021 to 16.12.2021	MIC Hall, Sajnekhali	Training & Capacity Building of the frontline staff.	CCF & FD/STR	Field Staff of STR
23	22.11.2021	Medinipur	Audio Visual Campaign	Medinipur Division	
24	23.11.2021	Bhadutala	Audio Visual Campaign	Medinipur Division	
25	24.11.2021	Godapiasal	Audio Visual Campaign	Medinipur Division	
26	25.11.2021	Pirakata	Audio Visual Campaign	Medinipur Division	
27	26.11.2021	Pirakata	Audio Visual Campaign	Medinipur Division	
28	27.11.2021	Arabari	Audio Visual Campaign	Medinipur Division	
29	28.11.2021	Arabari	Audio Visual Campaign	Medinipur Division	
30	29.11.2021	Chandrakona	Audio Visual Campaign	Medinipur Division	
31	30.11.2021	Chandrakona	Audio Visual Campaign	Medinipur Division	
32	01.12.2021	Nayabasad	Audio Visual Campaign	Medinipur Division	
33	02.12.2021	Nayabasad	Audio Visual Campaign	Medinipur Division	
34	03.12.2021	Chandra	Audio Visual Campaign	Medinipur Division	
35	04.12.2021	Chandra	Audio Visual Campaign	Medinipur Division	
36	05.12.2021	Lalgarh	Audio Visual Campaign	Medinipur Division	
37	06.12.2021	Lalgarh	Audio Visual Campaign	Medinipur Division	
38	29.09.2021	Rasikbeel, Mini Zoo	Wildlife Conservation and rescue operation	Cooch Behar Division	300
39	04.03.2022	At Sakhai Ghat under Katwa P.S	Awareness meeting with the fisherman and common people against the poaching of gangetic Dolphin and other Aquatic animals.	Burdwan Forest Division under South-East Circle	Fishermen 50
40	09.02.2022	Hijli	Protection of wildlife against electrocution	Kharagpur Division	25
41	09.03.2022	Hijli	Wildlife species, identification & safe handling	Kharagpur Division	25
42	23.11.2021	Jhargram Range Aution Hall	Sensitization meeting with all stakeholders in man animal conflict including line departments and anti-electrocution cell meeting	Divisional Forest Officer, Jhargram Division	30
43					
44	05-04-2021	KP Plantation Nepuchapur	Awareness on Human-Animal Conflict	Range Warden WLS II, Mal -	40
45	07-04-2021	Rungamuttee	Awareness on Human-Animal Conflict	Range Warden WLS II, Mal	44
46	15-04-2021	Manabari	Awareness on Human-Animal Conflict	Range Warden WLS II, Mal	54
47	21-04-2021	Army	Wildlife Awareness	WLS-III, Binnaguri	75

		Cantonment area, Binnaguri			
48	21-07-2021	Murti NIC	Capacity Building workshop for handling Snakes	Gorumara Wildlife Division	45
49	28-07-2021	Murti NIC	Capacity Building workshop for handling Snakes	Gorumara Wildlife Division	45
50	09-08-2021	Murti NIC	Capacity Building workshop for handling Snakes	Gorumara Wildlife Division	41
51	25-08-2021	Malnady	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal	61
52	26-08-2021	Gurjonghora	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal	17
53	30-08-2021	Soongachi	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal	48
54	31-08-2021	Sylee	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal	42
55	02-09-2021	Chandmari Bagrakote	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal -	40
56	03-09-2021	Sailijote busy Manabari	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal	34
57	04-09-2021	Patharjhora	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal	44
58	05-09-2021	Murti NIC	Legal workshop on Wildlife Law Enforcement Investigation and handling of Wildlife cases	Gorumara Wildlife Division	41 nos.
59	07-09-2021	Khariya line Bagrakote	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal -	35
60	07-09-2021	Factoryline Bagrakote	Awareness on Human-Animal Conflict	Range Warden WLS II,Mal -	40
61	08-09-2021	Jahaj busy Soongachi	Awareness on Human-Animal Conflict	Range Ward II, Maen WLS I -	35
62	09-09-2021	Panchayat Samity Hall, Malbazar	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	60
63	10-09-2021	Panchayat Samity Hall, Kranti	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	82
64	15-09-2021	Khagrijan	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	33
65	15-09-2021	Duggaline	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	25
66	15-09-2021	Paschim Damdim	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	45
67	17-09-2021	BD Line	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	63
68	18-09-2021	Gajoldoba 7	Seminar with Panchyat	Range Warden WLS	58

			Samity & Panchayat Members regarding Human – animal Conflict	II,Mal	
69	20-09-2021	Kharbari line Putharjhora TG	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	30
70	21-09-2021	Sonali	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	30
71	22-09-2021	Goodhope	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	58
72	23-09-2021	Gurjongjhora	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	24
73	29-09-2021	Needam	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	36
74	30-09-2021	Neech chalsa	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	88
75	02-10-2021	Dhakidhura Kumarpara	Seminar with Panchyat Samity & Panchayat Members regarding Human – animal Conflict	Range Warden WLS II,Mal	22
76	07-10-2021	Nakhti Soongachi	Sit & Draw , Elephant procession ,Teaching through play among children . Theme – Wildlife , Environment & Human- Animal Conflict	Range Warden WLS II,Mal	150
77	27-10-2021	Murti NIC	Capacity Building workshop for handling Snakes	Gorumara Wildlife Division	58 nos.
78	22-11-2021	Murti NIC	Discussion on Banya Pran Sathi prokolpo and presentation	Gorumara Wildlife Division	41 nos.
79	23-11-2021	Leesh river	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal	63
80	25-11-2021	Bataigole	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal	55
81	26-11-2021	Soongachi	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal	22
82	30-11-2021	Putharjhora TG	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal -	25
83	02-12-2021	Dalingkote	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal	45
84	08-12-2021	Rungamuttee	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal	52
85	24-12-2021	Rungamuttee Army camp	Awareness on Human - Animal Conflict	Range Warden WLS II,Mal -	25
86	27-02-2022	Murti NIC	Refresher Course for Dog Squad from	Gorumara Wildlife Division	16 nos.

			27.02.2022 to 03.03.2022		
87	17-03-2022	Primary school Gurjonghora	Interaction with school children and Awareness on Human - Animal Conflict	Range Warden WLS II, Mal	39
88	23-03-2022	Murti NIC	Rhino Census Training- cum - Workshop - 2022	Gorumara Wildlife Division	52 nos.
89	28-03-2022	Murti NIC	Rhino Census Training- cum - Workshop - 2022	Gorumara Wildlife Division	52 nos.
90	12.01.2022	Raninagar I & II block , Domkol Block	Miking among Local People against Tribal Hunting	Berhampore (south) Range under Nadia Murshidabad Division	Range Officer & Beat Officer Berhampore(s)
91	17.03.2022	At Berhampore and Beldanga II & Block	Miking among Local People against Tribal Hunting	Berhampore (south) Range under Nadia Murshidabad Division	Range Officer & Beat Officer Berhampore(s)
92	17.03.2022	At Kandi, Bharatpur I & II Block	Miking among Local People against Tribal Hunting	Berhampore (south) Range under Nadia Murshidabad Division	Range Officer & Beat Officer Berhampore(s)
93	09.12.2021	Rabindra Bhawan (Conference Hall)	Intelligence collection investigation and handling of wildlife cases	24-Parganas (North) Division	30
94	10.12.2021	Rabindra Bhawan (Conference Hall)	Intelligence collection investigation and handling of wildlife cases	24-Parganas (North) Division	30
95	11.12.2021	Rabindra Bhawan (Conference Hall)	Care and Rehabilitation of commonly seized wildlife	24-Parganas (North) Division	35
96	13.01.2022	NIC, Sukna	Capacity building workshop in intelligence collection, Investigation & handling of Wildlife Crime	WCCB in collaboration with Forest dept.	40 Nos.
97	11 & 12 <sup>th</sup> February, 2022	At Panchet Division, Bishnupur	workshop on intelligence collection, investigation and handling of wild crime	Wildlife Crime Control Bureau	30
98	20/04/2021	Auction Hall Bankura (North) Division	Ritual Hunting Festival	Forest Department	SP, ADRM, Forest, Police, Railway & Tribal
99	12/05/2021	DFO Chamber VC meeting	Expert Meeting on Treatment of Elephant with chain in front Right leg	Forest Department	Forest
100	06/07/2021	PCCF, WL office	Management Plan of Mayurjharna Elephant Reserve	Forest Department	Forest

101	30/12/2021	Rabindra Bhawan, Bankura	District Level Anti-Electrocution Cell, Forest Fire Prevention & Anti-Poaching	Forest Department	Sabhapati, DM, Police, Karmadhakhya, Sabhadhipati, SDO, SDPO, Electric & Fire
102	29.07.2021	Jharkhali	International Tiger Day	24-Parganas South Division	140 nos.
103	04.10.2021	Jharkhali	67 <sup>th</sup> Wild Life Day	SWAP, Jharkhali	100 nos.
104	21.03.2021	Baruipur, CKBS	Workshop on Bird identification	Baruipur Range	75 nos.
105	21.03.2022 & 22.03.2022	Namkhana	Capacity Building Programme on intelligence collection , investigation & Handling wildlife crime	Namkhana Range	60 nos.
106	04.04.2021	Ranibandh Market area under Ranibandh Range	Procession against Poaching of Wild animlas	Forest Range Officer, Ranibandh Range along with Bethualaupper primary School Teachers & Students	60
107	10.04.2021	Kamardanda, Nishchintapur under Motgoda Range	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Motgoda Range	30
108	14.04.2021	Sonartori Community Hall, Sarenga BDO Officer	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Sarenga Range	255
109	14.04.2021	Sagarchaka under Fulkushma Range	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Fulkushma Range	20
110	15.04.2021	Asanjhore Primary School	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Sarenga Range	85
111	15.04.2021	Ranibandh Range Office Compound	Tribal Hunting	Forest Range Officer, Ranibandh Range along with Ranibandh IC & JFMC Range	20
112	20.04.2021	Hirbandh Forest Rest House Campus	Awareness on wildlife Manegement	Forest Range Officer, Indpur Range	105
113	25.04.2021	Motgoda Range Office Compound	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Motgoda Range	40
114	26.04.2021	Fulkushma Range Office Compound	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Fulkushma Range	30
115	23.06.2021	Bheduasole High School under Indpur Range	Workshop about save green & wildlife management	Forest Range Officer, Indpur Range	45
116	01.02.2022	Neemdanga	Wildlife and its importance	Forest Range	230



		Primary School under Simlapal Range	(Anti-Poaching, Anti Hunting)	Officer, Simlapal Range	
117	05.02.2022	Khatbandha Primary School under Simlapal Range	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Simlapal Range	150
118	25.02.2022	Kashipur Primary School under Khatra Range	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Khatra Range	80
119	27.03.2022	Neturpur Primary School under Pirorgari Range	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Pirorgari Range	200
120	31.03.2022	Pirorgari Primary School under Pirorgari Range	Wildlife and its importance (Anti-Poaching, Anti Hunting)	Forest Range Officer, Pirorgari Range	160
121	32.11.2021	Lankapara Range Office	Ma Animal Conflict	Lankapara Range Office	10



**Annexure-10**  
**Honey collection in Sundarban Tiger Reserve and**  
**24 Parganas (South) Division during 2021-22**

Honey Collected ( in Kg)		Revenue Earned (in Rs)	
STR	24-Pgns(S)	STR	24-Pgns(S)
3649.7	350	6459997.00	61950.00





## Status of Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)
Energized Fencing	SK-2	Jadapara Division	1
Energizer Power Fencing	Range Office to Sambhujhira		1
Energizer Power Fencing	Sambhujhora to Diversion		1
Energizer Power Fencing	Diversion to Mendabari		5.5
Energizer Power Fencing	NEC Watch Tower to Subhasini Bandh		1.5
Energized Fencing	JP, MLG, CP, Block		16
Energized Fencing	Malangi Beat Complex		0.5
Energized Fencing	Torsa-1,Torsa-2, Torsa-3 & JP-5		30.5
Energized Fencing	Torsa-1		1.5
Energized	Range Office complex		0.95
Energized	Garganda RL Plantation site		2
Energized Solar Fencing	Peacock Avenue		3.7
Energized Solar Fencing	Hasimara Beat Boundary		3
Energized Solar Fencing	Siltorsa Beat Complax		0.4
Energized Solar Fencing	NWC Beat Boundary		2
Energized Solar Fencing	Torsa Bridge to HM West Camp		2.5
Energized Fencing	MB-1 Comptt		2.3
Energized Fencing	MB-4 Comptt		4.4
Energized Fencing	BN-3,4,5&6 Comptt		9
Energized Fencing	BN-7, 8 Comptt		3
Energized fencing	Jhargram	Jhargram Division	12.5
Energized fencing	Gazaldoba, Bhore Alo, Ambari Range area	Baikunthapur Division	1.4
Energized fencing	Nayagram	Kharagpur Division	10.4
Chain Link fencing	Bibhutibhusan WLS	24 Paraganas (North) Division	3.5
Energized fencing	Patlakhawa grass fodder plantation in Rhino project 2017-18	Coochbehar Division	6
Energized fencing	Patlakhawa grass fodder plantation in Rhino project 2018-19		7
Energized fencing	Patlakhawa grass fodder plantation in Rhino project 2019-20		3.715
Energized fencing	Putimari Boxir Boss, Ghoramara Sajer Par		6
Energized fencing	Singimari pachunir Par, Basdah Natabari		6
Nylon Net fencing	Kultali, Raidighi Range		24-Parganas (South)
Nylon Net fencing	Raidighi, Ramganga & Matla Range		7
Break wall & Ornamental Grill fencing	Raiganj Division	Raiganj Division	1.735
Chain Link fencing	Ballavpur WLS	Birbhum Division	4
Chain Link fencing	B.W.L.S		36.14
Energized fencing	Compt. 04 around Toribari&Laltong Beat Office compound, Soth Range, MWLS	Darjeeling Wildilfe Division	0.4
Energized fencing	10 <sup>th</sup> Mile village, Sevoke		2
Energized fencing	Latpanchar FRH & Beat Compound		0.45
Energized fencing	HileyKhola Watch Tower, Ghoramara Block		2
Energized fencing	Lower Ghoramara Fodder Plantation		1.2
Energized fencing	Nandi Watch Tower, North Sevoke Block		0.145
Energized fencing	Grass Plnt. of Mahanadi Block		1.2
Energized fencing	Sukna- Rongtong Block		2
Energized fencing	Sukna- Mahanadi Block ( Panchnai, Hatisar, , Mohurgoan&Gulma&Kayanuka Block		6
Energized fencing	Gulma- Mahananda Bridge- Singimari Block		2
Energized fencing	Central Nursery, Sukna		0.5

## Status of Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)
Energized fencing	Around Khaireni and Punding F.V.		2
Barbed wire	Gorkey F.V.		3
Chain link fencing	Rambi- 2		0.2
Chain link fencing	Rampuria - 4		0.2
Barbed wire	Pachim- 1		3
Barbed wire	Chattakpur- 1		3
Barbed wire	Gorabari		2
Energized fencing	Radhanagar, Patrasayer, Beliatore, Barjora, Gangajalghati Range	Bankura North	90
Energized fencing	Sonamukhi	Division	2
Energized fencing	Block-Joypur, Bishnupur	Panchet Division	16
Energized Fencing	HP Range complex		2
Energized Fencing	Kumargram Beat JFMC (Village)		2
Energized Fencing	CRD-4 Tiamari Watch Tower		0.1
Energized Fencing	HPRF		1
Energized Fencing	SRD Beat-SR-1 com		0.8
Energized Fencing	SR-4 com		0.4
Energized Fencing	SR-3 com		0.4
Energized Fencing	SR-7 com		1.5
Energized Fencing	NR-2 com		0.5
Energized Fencing	MKT-1		0.4
Energized Fencing	jainti FRH		0.3
Energized Fencing	25th mile WT		0.1
Energized Fencing	26th mile WT		0.1
Energized Fencing	TGN WT	Buxa Tiger Reserve (East)	0.1
Energized Fencing	JNT-7		1.4
Energized Fencing	NRVK Compt-9		0.12
Energized Fencing	NBH-1, SBH-1		2
Energized fencing	Dhowla-03		8
Energized fencing	Dhowla-01		2.25
G.I. wire fencing	HPRF		0.5
Energized fencing	SK-3A		2
Energized fencing	KG-1 & 2		2
Energized fencing	KG-1 & 2		2
Energized fencing	NLS-2		2
Energized fencing	Range HQ, HPT		2.5
Energized fencing	JK-688, Ramgarh	Rupnarayan	7
Energized fencing	JK-688, Ramgarh	Division	3
Energized fencing	Baghmundi-3 unit	Purulia	9
Energized fencing	Jhalda-1 unit	Division	3
Nylon Net fencing	NP(W) Range	Sundarban	22
Nylon Net fencing	SWLS Range	Tiger Reserve	39
Nylon Net fencing	BHT Range		45
Energized Fencing	Panjhora FV		2.5
Energized Fencing	Sipchu FV		2
Energized Fencing	Kalikhola village		1
Energized Fencing	Prayagpur village		2
Energized Fencing	Rehti FV	Jalpaiguri	2.5
Energized Fencing	Kalapani F.V.	Division	1.5
Energized Fencing	Tukra Khas Busty		0.8
Energized Fencing	Barohuada-Debisimal village		3
Energized Fencing	Dalmore North JFMC		2.5
Energized Fencing	Dalmore South JFMC		2
Solar Energized Fencing	Kalabari, Kalikhola, Ghasmari		10
Energized Fencing	Bichabhangra Forest basti.		2
Energized Fencing	Sursuti Forest Basti.		2.5
Energized Fencing	Kalipur Forest Village.		4

## Status of Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)
Energized Fencing	Chatua Forest Village.	Gorumara Wildlife Division	2.5
Energized Fencing	Budhuram Forest Village.		2.5
Energized Fencing	Kalipur Eco Village, Budhuram.		1
Energized Fencing	Medla camp to Medla watch tower		0.4
Energized Fencing	Medla camp to Bandh tower		1.2
Chain linked	Pillkhana & Beat Campus, Dhupjhora Beat		0.8
Energized Fencing	South Indong-I, Dhupjhora Beat		2.5
Energized Fencing	Pillkhana, Gorumara Beat		0.4
Energized Fencing	Gorati Pillkhana, Gorumara Beat		0.5
Energized Fencing	Sambar tower, Gorumara Beat		0.2
Energized Fencing	Bichabhanga Tower, Bichabhanga		0.3
Power Fencing	Tondu Camp		1.5
Power Fencing	Murti Gorumara Tent complex		2.5
Power Fencing	Murti Forest village fencing		4.5
Power Fencing	Chapramari Beat & FRH Complex		3
Power Fencing	Chapramari Gate Barrack		1.5
Power Fencing	BM-I Anti-poaching camp		1.5
Power Fencing	Khunia Protection Camp		0.5
Power Fencing	2021 Tree Fodder Plantation, CAMPA		1.3
Power Fencing	2021 Tree Fodder Plantation, CAMPA		1.6
Power Fencing	2021 Tree Fodder Plantation, SPAP	3.4	
		<b>Total</b>	<b>572.205</b>





## Annexure-12

## Creation, Advance Work, Maintenance of Plantations during 2021-22

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Jalpaiguri Division	SPAP	Nathua, Diana, Lataguri, Ramsai, Ranges	Misc.	Creation	30.00
	<b>Total</b>				<b>30.00</b>
Bankura (North) Division	Barjora Range	State Plan	QGS	Creation	10.00
	Beliator Range	State Plan	QGS	Creation	35.00
	Chhatna	State Plan	QGS	Creation	9.50
	G. Ghati	State Plan	QGS	Creation	149.00
	Mejhia	State Plan	QGS	Creation	40.00
	Radhanagar	State Plan	QGS	Creation	60.00
<b>Total</b>					<b>303.50</b>
Coochbehar Division	Coochbehar-I	State Plan	Misc. Block Plantation	Creation	3.30
	Coochbehar-I	State Plan	Misc. Block Plantation	Creation	6.60
	Kharimala Khagribari	State Plan	Misc. Block Plantation	Creation	3.50
	Mahimer Kuthi (Part-I)	State Plan	Misc. Block Plantation	Creation	6.00
	Mahimer Kuthi (Part-II)	State Plan	Misc. Block Plantation	Creation	6.00
	Bhanga More	State Plan	Misc. Block Plantation	Creation	8.00
	Par Mekhliganj (Part-I)	State Plan	Misc. Block Plantation	Creation	10.00
	Par Mekhliganj (Part-II)	State Plan	Misc. Block Plantation	Creation	10.00
	Kharimala Khagribari	State Plan	Misc. Block Plantation	Creation	3.50
	Mahimer Kuthi (Part-I)	State Plan	Misc. Block Plantation	Creation	6.00
	Mahimer Kuthi (Part-II)	State Plan	Misc. Block Plantation	Creation	6.00
	Bhanga More	State Plan	Misc. Block Plantation	Creation	8.00
	Sikarpur HS to Ichhaganj more	State Plan	NB Strip Plantation	Creation	10.00
<b>Total</b>					<b>86.90</b>
Rupnarayan Division	Amlagora	SPAP	Sal	Creation	40.00
	Hoomgarh	SPAP	Dev	Creation	5.00
	Amlagora	SPAP	Dev	Creation	22.00
	Garhbeta	SPAP	Dev	Creation	7.00
	Goaltore	CAMPA	Sal	Creation	7.00
	Garhbeta	CAMPA	Sal	Creation	5.00
	Amlagora	GIM	Type-A	Creation	30.00
	Amlagora	GIM	Type-B	Creation	2.00
	Hoomgarh	GIM	Type-A	Creation	30.00
	Garhbeta	GIM	Type-A	Creation	30.00
	Goaltore	GIM	Type-A	Creation	34.00
	Hoomgarh	GIM	Type-B	Creation	20.00
	Hoomgarh	SPAP	Sal	Creation	25.00
	Mahalisai	SPAP	Sal	Creation	25.00
	Goaltore	SPAP	Sal	Creation	37.00
	Goaltore	SPAP	Dev	Creation	5.00
	Garhbeta	SPAP	Sal	Creation	5.00
	<b>Total</b>				
Kurseong Division	Bamanpokhari	SPAP	Hill Misc.	Creation	10.00
	Kurseong	SPAP	Hill Misc.	Creation	5.00
	Bamanpokhari	SPAP	Fodder	Creation	5.00
	Bagdogra	SPAP	Fodder	Creation	5.00
	Panighatta	SPAP	Hill Misc.	1st year maintenance	5.00
	Panighatta	SPAP	Hill Misc.	1st year maintenance	5.00
	Tukriajhar	SPAP	Hill Misc.	1st year maintenance	10.00
	Bagdogra	SPAP	Hill Misc.	1st year maintenance	5.00
	Bagdogra	SPAP	Hill Misc.	1st year maintenance	5.00
	Bamanpokhari	SPAP	Hill Misc.	1st year maintenance	10.00
	Sevoke	SPAP	Hill Misc.	1st year maintenance	5.00
	Panighatta	SPAP	Hill Misc.	2nd year maintenance	10.00
	Tukriajhar	SPAP	Hill Misc.	2nd year maintenance	5.00
	Tukriajhar	SPAP	Hill Misc.	2nd year maintenance	5.00
	Tukriajhar	SPAP	Hill Sal	3rd year maintenance	13.00
	Bamanpokhari	SPAP	Hill Sal	3rd year maintenance	2.00
	Bamanpokhari	SPAP	Hill Sal	4th year maintenance	2.00
	Tukriajhar	SPAP	Hill Sal	4th year maintenance	1.66
	Tukriajhar	SPAP	Hill Sal	5th year maintenance	7.33
	Bamanpokhari	SPAP	Hill Sal	5th year maintenance	6.47
<b>Total</b>					<b>122.46</b>
24 Parganas (North) Division	Basirhat SF	SPAP	Mixed	Creation	15.00
	Rampura Sf Range	MGNREGA	Mangrove	Creation	150.00
	Barrackpore SF Range	NGT	Institutional Plantation	Creation	6.00
	Bongaon SF Range	SPAP	Mixed	3rd year maintenance	12.50
	Basirhat SF Range	SPAP	Mixed	1st year maintenance	13.50
	Rampura Sf Range	MGNREGA	Mangrove	1st year maintenance	150.00

## Annexure-12

## Creation, Advance Work, Maintenance of Plantations during 2021-22

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)	
	Barrackpore SF Range	Namami Gange	Avenue Plantation	Advance. Cum Creation	2.00	
	<b>Total</b>				<b>349.00</b>	
Gorumara Wildlife Division	Range-Gorumara South Range, Beat-Dhupjhora Beat, Compt.-Tondur-IV	SPAP	Grass Fodder	Creation	10.00	
	Range-Gorumara South Range, Beat-Gorumara Beat, Compt.-GMR-II	CAMPA	Tree Fodder	Creation	5.00	
	Range-Gorumara South Range, Beat-Budhuram Beat, Compt.-BH-III,	CAMPA	Tree Fodder	Creation	5.00	
	Range-Gorumara South Range, Beat-Dhupjhora Beat, Compt.-South Indong-I	CAMPA	Tree Fodder	Creation	10.00	
	Range-Gorumara North Range, Beat-Murti Beat, Compt.-Kakorjhora- 1.	CAMPA	Tree Fodder	Creation	10.00	
	Range-Gorumara North Range, Beat-Chapramari Beat, Compt.-Chapramari-2.	CAMPA	Tree Fodder	Creation	10.00	
	Range-Gorumara North Range, Beat-Chapramari Beat, Compt.-Panjhora-1A & 2A.	SPAP	Tree Fodder	Creation	20.00	
	Range-Gorumara South Range, Beat-Gorumara Beat, Compt.-DHP-IA	CAMPA	Tree Fodder	Maintenance	2.00	
	Range-Gorumara South Range, Beat-Budhuram Beat, Compt.-BH-III	CAMPA	Tree Fodder	Maintenance	6.00	
	Range-Gorumara South Range, Beat-Dhupjhora Beat, Compt.-DHP-IB	CAMPA	Tree Fodder	Maintenance	12.00	
	Range-Gorumara South Range, Beat-Gorumara Beat, Compt.-JAL-IB	SPAP	Grass Fodder	Maintenance	22.00	
	Range-Gorumara South Range, Beat-Gorumara Beat, Compt.-JAL-IB	SPAP	Grass Fodder	Maintenance	24.00	
	Range-Gorumara South Range, Beat-Gorumara Beat, Compt.-JAL-IB	SPAP	Grass Fodder	Maintenance	4.00	
	Range-Gorumara South Range, Beat-Budhuram Beat, Compt.-Ram. Ext.	SPAP	Grass Fodder	Maintenance	25.00	
	Range-Gorumara South Range, Beat-Budhuram Beat, Compt.-Medla-III	SPAP	Grass Fodder	Maintenance	5.00	
	Range-Gorumara South Range, Beat-Dhupjhora Beat, Compt.-DHP-IB	SPAP	Grass Fodder	Maintenance	13.50	
	Range-Gorumara South Range, Beat-Dhupjhora Beat, Compt.-DHP-IB	SPAP	Grass Fodder	Maintenance	6.50	
	<b>Total</b>					<b>190.00</b>
	Sundarban Tiger Reserve	Bashirhat Range	State Development Scheme	Mangrove	Creation	5.00
		N.P (West) Range	State Development Scheme	Mangrove	1st year maintenance	15.00
N.P (East) Range		State Development Scheme	Mangrove	2nd year maintenance	10.00	
Bashirhat Range		State Development Scheme	Mangrove	3rd year maintenance	5.00	
N.P (West) Range		State Development Scheme	Mangrove	4th year maintenance	10.00	
N.P (East) Range		State Development Scheme	Mangrove	5th year maintenance	10.00	
Bashirhat Range		MGNREGA Greeing Sundarban	Mangrove	Creation	15.00	
N.P (West) Range		MGNREGA Greeing Sundarban	Mangrove	Creation	25.00	
N.P (East) Range		MGNREGA Greeing Sundarban	Mangrove	Creation	10.00	



## Annexure-12

## Creation, Advance Work, Maintenance of Plantations during 2021-22

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
	SWLS Range	MGNREGA Greeing Sundarban	Mangrove	Creation	10.00
	N.P (East) Range	MGNREGA Greeing Sundarban	Mangrove	1st year maintenance	130.00
	N.P (West) Range	MGNREGA Greeing Sundarban	Mangrove	1st year maintenance	105.00
	SWLS Range	MGNREGA Greeing Sundarban	Mangrove	1st year maintenance	163.00
	Bashirhat Range	MGNREGA Greeing Sundarban	Mangrove	1st year maintenance	102.00
	<b>Total</b>				<b>615.00</b>



### Annexure-13

<b>Encroachment of Forest Land in Wildlife Divisions</b>			
<b>Division</b>	<b>Encroachment (Ha)</b>	<b>Location</b>	<b>Remarks</b>
Gorumara Wildlife Division	50.86 Ha.	WNR-2 under Sakam Beat	

### Annexure-14 Radio Collaring of Tiger in Sundarbans

<b>Sl. No.</b>	<b>Date of Radio collaring</b>	<b>Tiger description</b>	<b>Place of Release</b>
1	05.12.2007	Female	Panchamukhani-3 of Sajnekhali Range, Sundarban Tiger Reserve
2	24.02.2010	Female	Netidhopani-2 of National Park (West) Range, Sundarban Tiger Reserve
3	28.02.2010	Female	Pirkhali-7 of Sajnekhali Range, Sundarban Tiger Reserve
4	20.03.2010	Male	Pirkhali-7 of Sajnekhali Range, Sundarban Tiger Reserve
5	22.05.2010	Male	Khatuajhuri-1 of Basirhat Range, Sundarban Tiger Reserve
6	22.05.2010	Male	Netidhopani-1 of National Park (West) Range, Sundarban Tiger Reserve
7	15.08.2014	Female	Netidhopani-1 of National Park (West) Range, Sundarban Tiger Reserve
8	29.01.2016	Female	Gosaba-3 of National Park (West) Range, Sundarban Tiger Reserve
9	25.01.2017	Female	Ajmalhari-10, 24-Parganas (South) Division



## Annexure-15

### Ex-gratia payment made for Human-Animal Conflict in West Bengal during last 5 years

(in Rs.)

Year	Person Killed	Person injured	Comp paid for human life injury	Crop damage	Comp paid for crop damage	Hut damage	Comp paid for hut damage	Livestock killed/injured	Comp paid for livestock killed/injured	Total
2017-18	73	185	1,53,93,199.00	4,613.067	8,52,80,912.00	3,516	1,17,54,626.00	423	6,80,400.00	11,31,09,137.00
2018-19	104	159	2,33,83,114.00	3,771.142	5,09,58,700.00	3,531	1,49,23,395.00	514	12,55,300.00	9,05,20,509.00
2019-20	134	229	3,29,15,005.00	3,904.991	5,45,09,945.00	2,928	1,06,07,230.00	430	7,66,700.00	9,87,98,880.00
2020-21	123	229	3,41,01,031.00	5,123.184	5,30,66,318.00	2,812	1,15,73,080.00	367	8,30,571.00	9,95,71,000.00
2021-22	83	190	3,00,14,000.00	4,057.950	3,90,48,319.00	2,879	84,51,458.00	81	1,27,900.00	7,76,41,677.00







## **ACKNOWLEDGEMENT**

We are grateful to all the staff and officers of Directorate of Forests, West Bengal who have assisted and contributed in collecting and anthologising the data and publication of this Annual Report of Wildlife Wing, Govt. of West Bengal for the year 2018-19

## PHOTO COURTESY

Addl, PCCF, Wildlife, Addl. PCCF, North Bengal, Addl. PCCF & Director, Sundarban Biosphere Reserve, CCF, Wildlife (North) Circle, CCF, Hill Circle, CCF, Northern Circle, FD, Buxa Tiger Reserve, CCF, Central Circle, CCF, Western Circle, CCF, South East Circle, CCF, South West Circle, FD, Sundarban Tiger Reserve, DFO, Jaldapara Wildlife Division, DFO, Purba Madinipur Division, DFO, Bankura (South) Division, DFO, Bankura (North) Division, DFO, Panchet Division, DFO, 24-Parganas (North) Division, DFO, Kharagpur Division, DFO, 24-Parganas (South) Division, DFO, Gorumara Wildlife Division, AWLW-I, Wildlife (HQ), AWLW-II, Wildlife (HQ)